

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051068.D
 Acq On : 10 Sep 2018 9:47
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:24 AM

Quant Time: Sep 11 02:13:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	743889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1061993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	979303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	521332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	815590	98.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.04%	
35) Dibromofluoromethane	7.59	113	796313	99.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.58%	
50) Toluene-d8	10.09	98	3072216	101.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.90%	
62) 4-Bromofluorobenzene	12.40	95	1056812	105.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	657944	91.72	ug/l	99
3) Chloromethane	2.06	50	920535	90.15	ug/l	99
4) Vinyl Chloride	2.18	62	927441	94.18	ug/l	98
5) Bromomethane	2.55	94	568112	86.10	ug/l	97
6) Chloroethane	2.70	64	560723	92.26	ug/l	99
7) Trichlorofluoromethane	3.01	101	1226929	94.03	ug/l	100
8) Diethyl Ether	3.41	74	478619	99.74	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	785424	93.38	ug/l	99
10) Methyl Iodide	3.95	142	819804	114.09	ug/l	99
11) Tert butyl alcohol	4.79	59	307011	485.53	ug/l	99
12) 1,1-Dichloroethene	3.73	96	759145	95.67	ug/l	99
13) Acrolein	3.61	56	393562	545.63	ug/l	97
14) Allyl chloride	4.32	41	1215304	100.52	ug/l	100
15) Acrylonitrile	4.99	53	1398912	499.28	ug/l	100
16) Acetone	3.82	43	996257	433.17	ug/l	100
17) Carbon Disulfide	4.05	76	2327608	89.15	ug/l	99
18) Methyl Acetate	4.33	43	609024	91.87	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2101019	110.24	ug/l	99
20) Methylene Chloride	4.55	84	855634	93.57	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	822816	95.60	ug/l	99
22) Diisopropyl ether	5.95	45	2419232	100.81	ug/l	95
23) Vinyl Acetate	5.90	43	8514535	524.30	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1467295	96.37	ug/l	99
25) 2-Butanone	6.84	43	1563907	480.50	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1199279	96.24	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	935562	99.09	ug/l	99
28) Bromochloromethane	7.19	49	654333	96.56	ug/l	99
29) Tetrahydrofuran	7.21	42	1012123	497.96	ug/l	99
30) Chloroform	7.37	83	1458962	96.32	ug/l	100
31) Cyclohexane	7.65	56	1346960	87.48	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1262191	97.80	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1170355	100.38	ug/l	99
37) Ethyl Acetate	6.93	43	680433	100.76	ug/l	100
38) Carbon Tetrachloride	7.77	117	1133485	98.77	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1351212	105.03	ug/l	98
40) Benzene	8.04	78	3489055	99.30	ug/l	99
41) Methacrylonitrile	7.18	41	342639	98.34	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1011110	98.73	ug/l	100
43) Isopropyl Acetate	8.17	43	1216156	102.07	ug/l	100
44) Trichloroethene	8.83	130	935696	97.37	ug/l	98
45) 1,2-Dichloropropane	9.12	63	904531	99.63	ug/l	99
46) Dibromomethane	9.21	93	535389	96.65	ug/l	99
47) Bromodichloromethane	9.40	83	1138328	101.07	ug/l	100
48) Methyl methacrylate	9.20	41	609407	104.95	ug/l	100
49) 1,4-Dioxane	9.20	88	192676	2116.05	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3330968	505.52	ug/l	99
52) Toluene	10.16	92	2195760	102.49	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1203925	106.80	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1387876	105.01	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	764345	98.21	ug/l	99
56) Ethyl methacrylate	10.43	69	1033059	110.91	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1300052	100.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2160776	567.60	ug/l	100
59) 2-Hexanone	10.75	43	2279428	510.09	ug/l	100
60) Dibromochloromethane	10.90	129	904286	103.09	ug/l	100
61) 1,2-Dibromoethane	11.00	107	779625	102.48	ug/l	100
64) Tetrachloroethene	10.63	164	838297	93.81	ug/l	99
65) Chlorobenzene	11.43	112	2427656	98.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	880099	99.03	ug/l	100
67) Ethyl Benzene	11.51	91	4167495	104.25	ug/l	100
68) m/p-Xylenes	11.62	106	3225750	210.01	ug/l	100
69) o-Xylene	11.95	106	1567006	105.35	ug/l	100
70) Styrene	11.96	104	2558073	110.87	ug/l	100
71) Bromoform	12.13	173	651067	104.05	ug/l #	99
73) Isopropylbenzene	12.25	105	4096858	93.71	ug/l	100
74) N-amyl acetate	12.07	43	1075595	97.76	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	964822	82.88	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	817298m	94.27	ug/l	
77) Bromobenzene	12.53	156	1069183	91.05	ug/l	99
78) n-propylbenzene	12.59	91	4647233	96.70	ug/l	100
79) 2-Chlorotoluene	12.67	91	2737172	91.13	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3362491	95.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	277654	101.15	ug/l	98
82) 4-Chlorotoluene	12.77	91	2780173	93.24	ug/l	99
83) tert-Butylbenzene	12.99	119	2917902	93.51	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3438194	98.93	ug/l	100
85) sec-Butylbenzene	13.17	105	3848495	96.16	ug/l	100
86) p-Isopropyltoluene	13.29	119	3436319	101.27	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1848273	92.77	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1809693	92.16	ug/l	100
89) n-Butylbenzene	13.61	91	2772007	104.96	ug/l	100
90) Hexachloroethane	13.87	117	606461	87.44	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1758916	90.60	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	141369	83.21	ug/l	98

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VSTDICC100

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	938972	112.35	ug/l	99
94) Hexachlorobutadiene	15.01	225	550503	80.48	ug/l	100
95) Naphthalene	15.13	128	1944466	109.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	894266	103.24	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

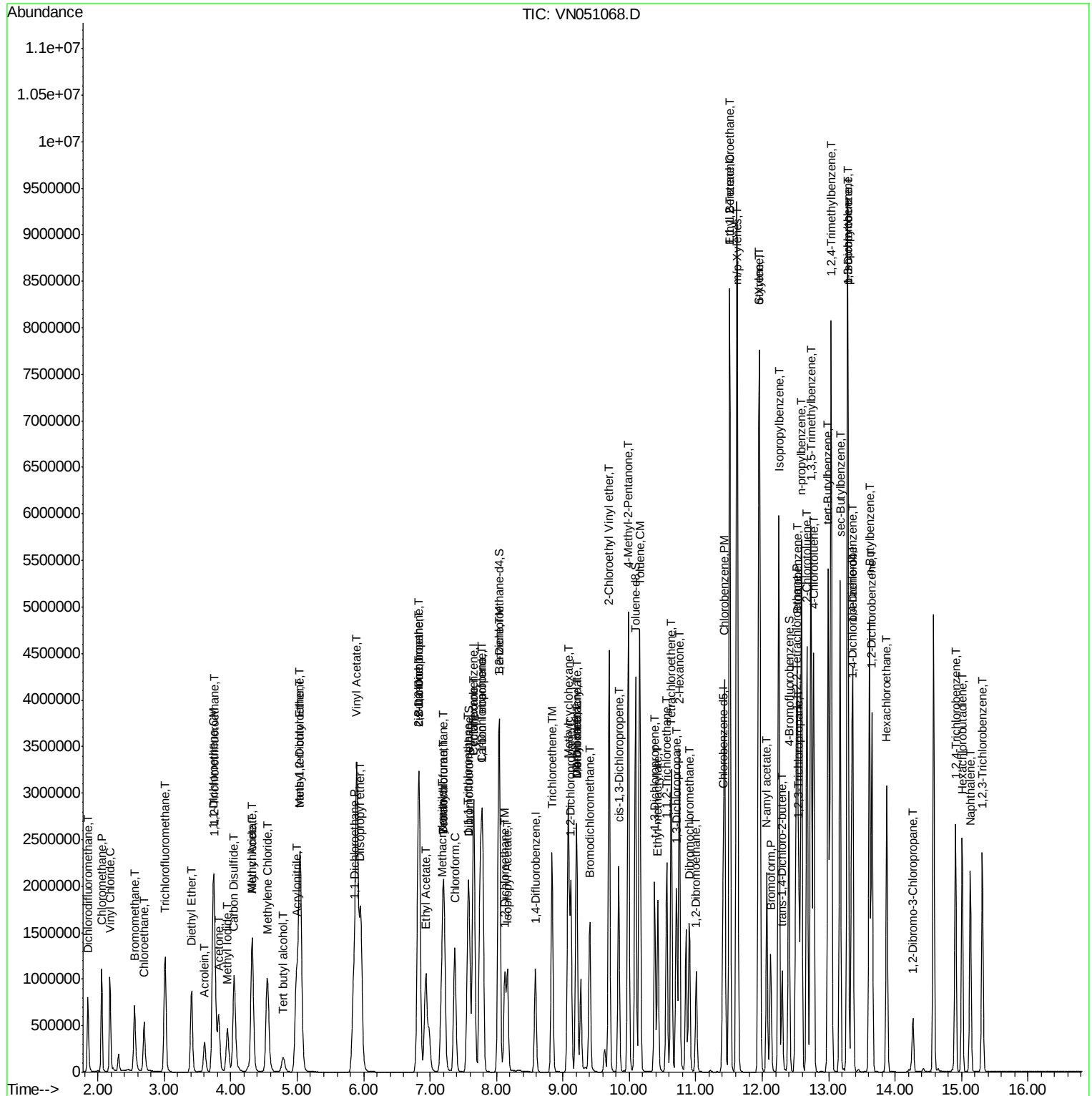
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
Data File : VN051068.D
Acq On : 10 Sep 2018 9:47
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
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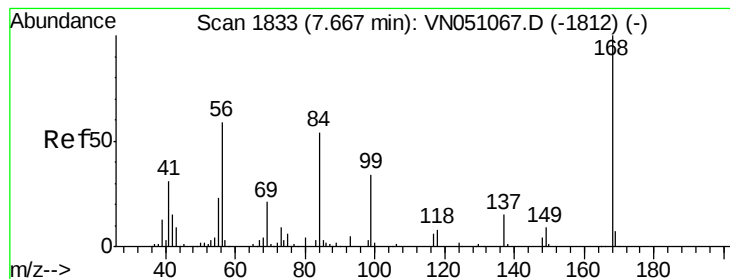
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 743889

Ion Ratio Lower Upper

168 100

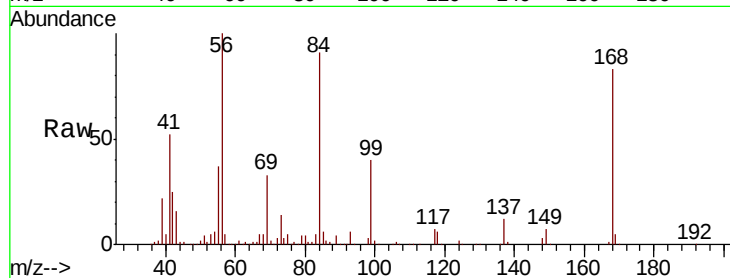
99 47.8 38.3 57.5

Manual Integrations

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9/11/2018 9:40:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

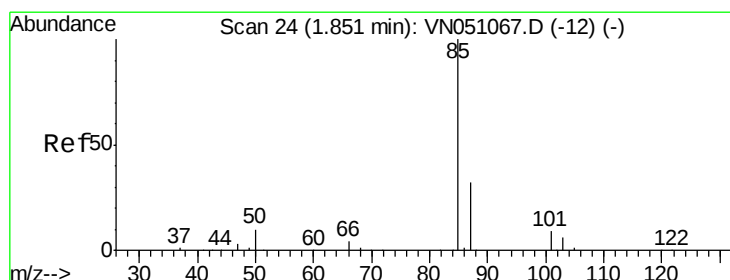
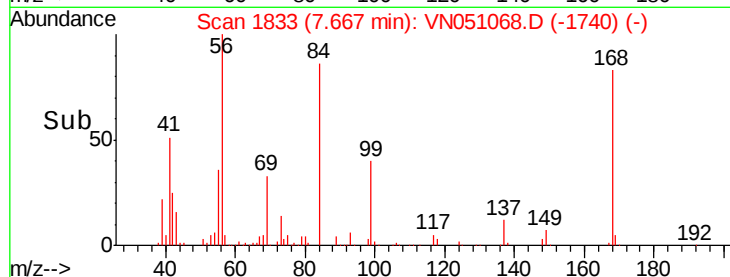
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 91.72 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051068.D

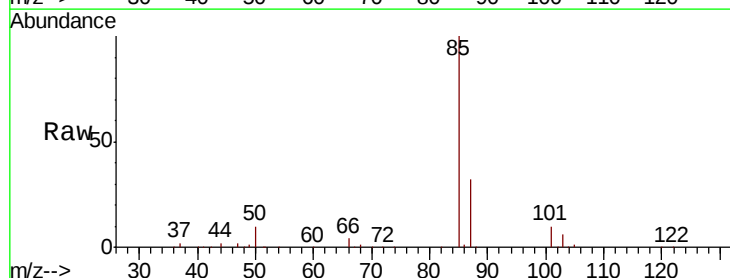
Acq: 10 Sep 2018 9:47

Tgt Ion: 85 Resp: 657944

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

500000

400000

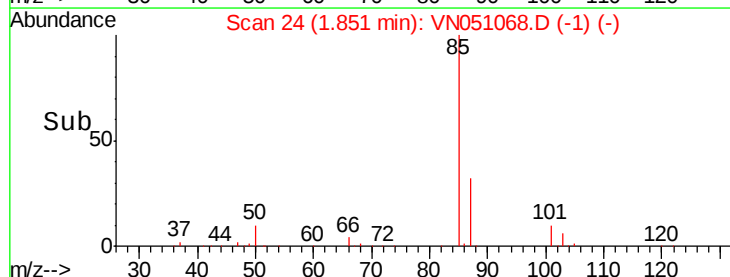
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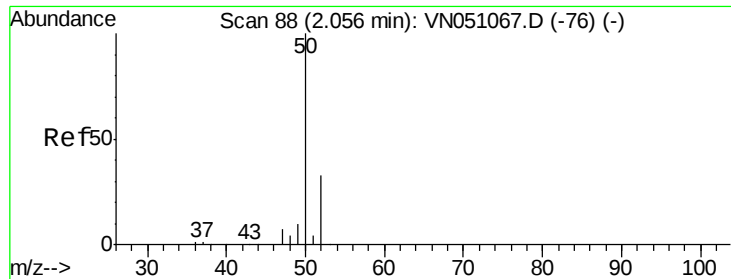
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100000

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Time-->





#3

Chloromethane

Concen: 90.15 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 920535

Ion Ratio Lower Upper

50 100

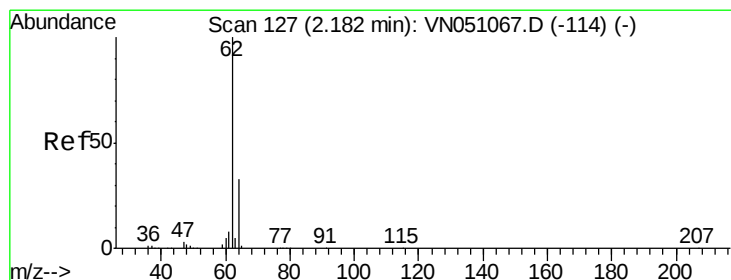
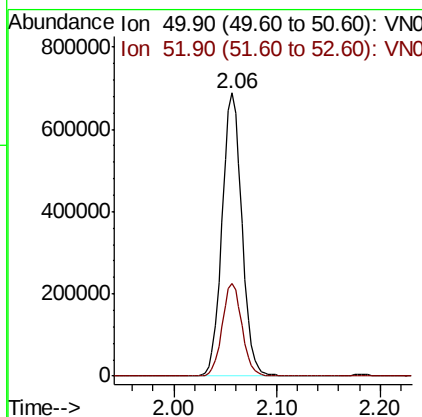
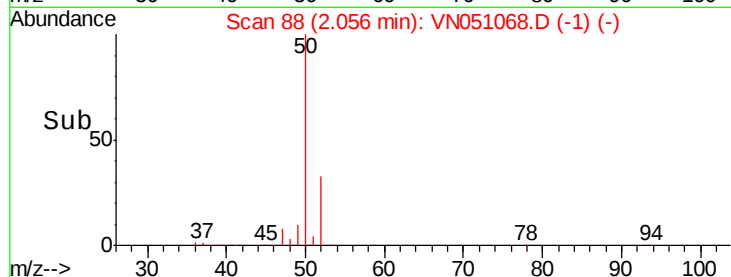
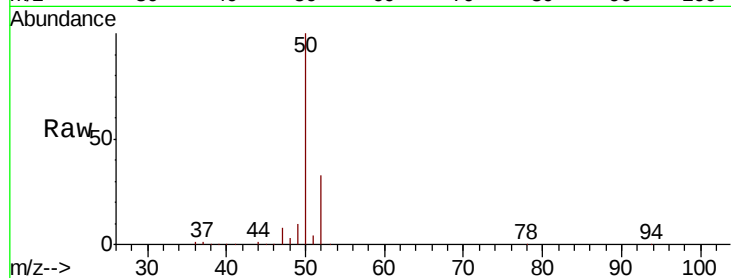
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 94.18 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051068.D

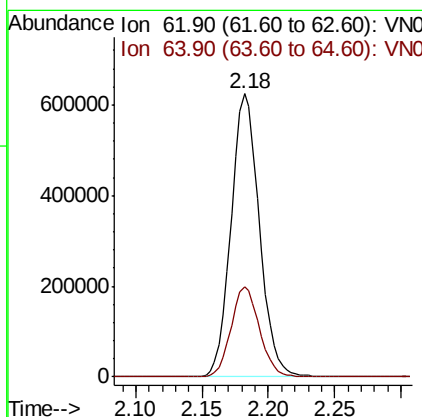
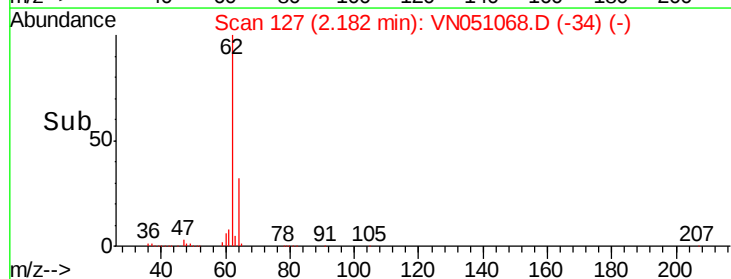
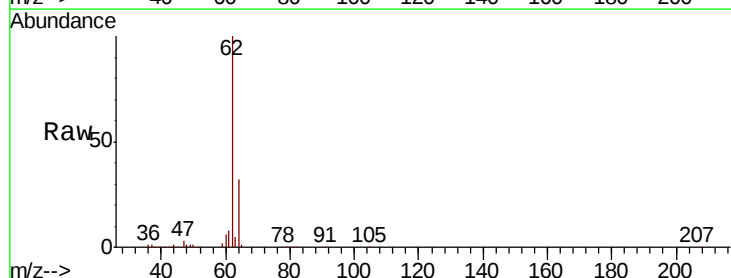
Acq: 10 Sep 2018 9:47

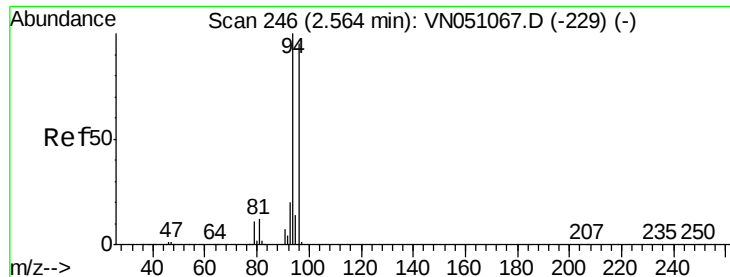
Tgt Ion: 62 Resp: 927441

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4





#5

Bromomethane

Concen: 86.10 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 568112

Ion Ratio Lower Upper

94 100

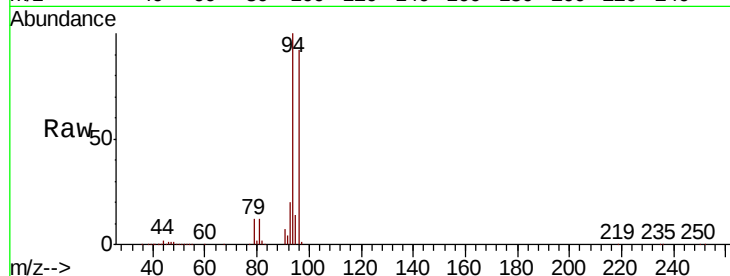
96 92.3 75.9 113.9

Manual Integrations

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9/11/2018 9:40:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

250000

200000

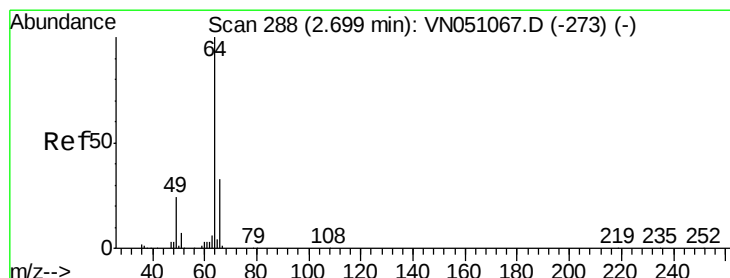
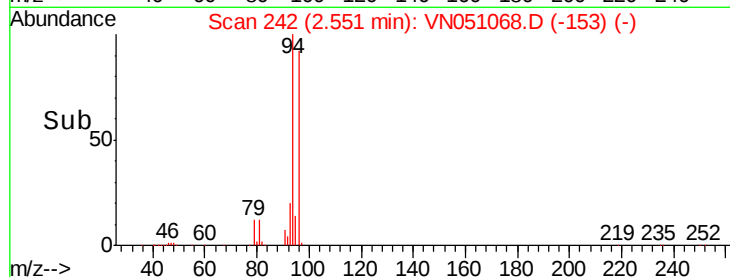
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100000

50000

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Time-->



#6

Chloroethane

Concen: 92.26 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051068.D

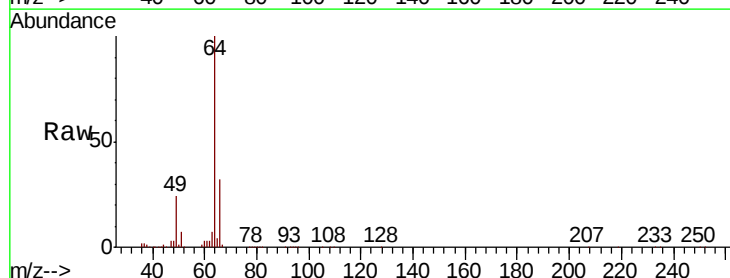
Acq: 10 Sep 2018 9:47

Tgt Ion: 64 Resp: 560723

Ion Ratio Lower Upper

64 100

66 31.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

300000

250000

200000

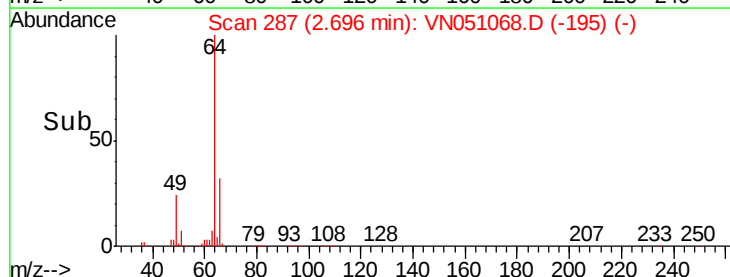
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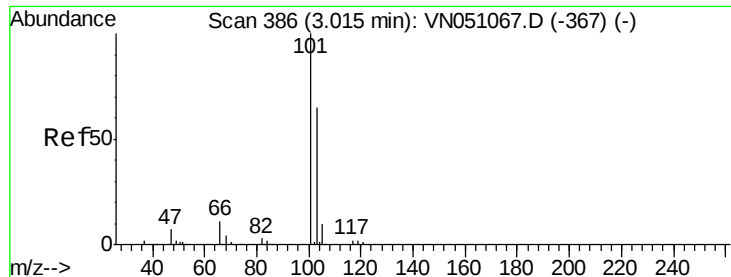
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50000

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Time-->





#7

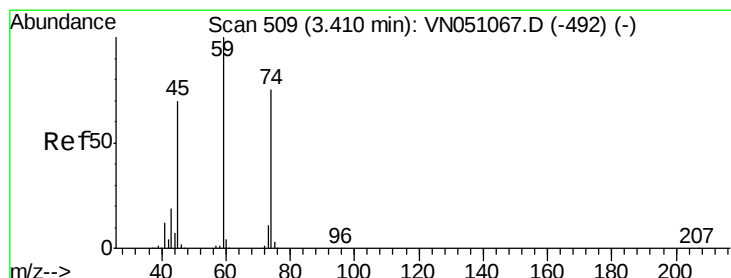
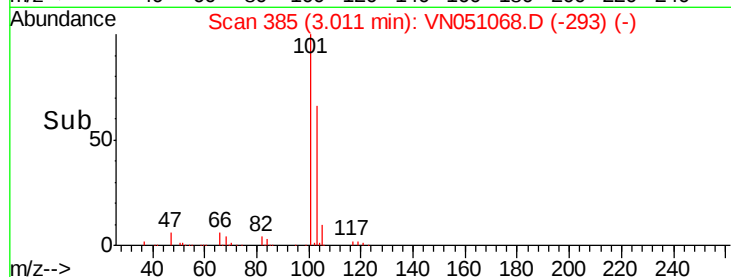
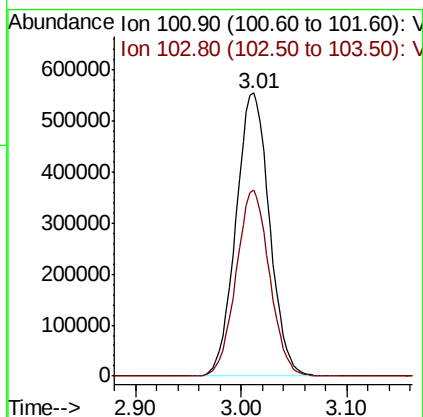
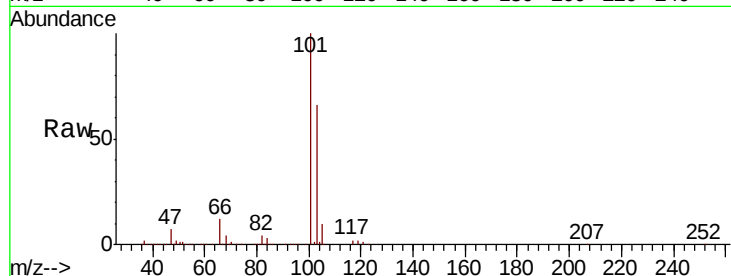
Trichlorofluoromethane
 Concen: 94.03 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1226929
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.4 78.6

Manual Integrations
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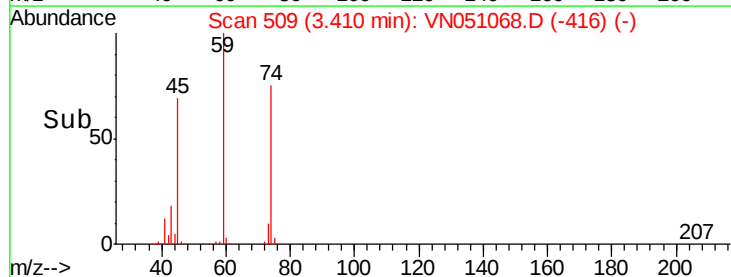
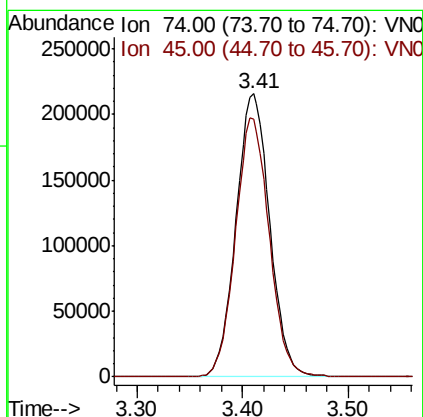
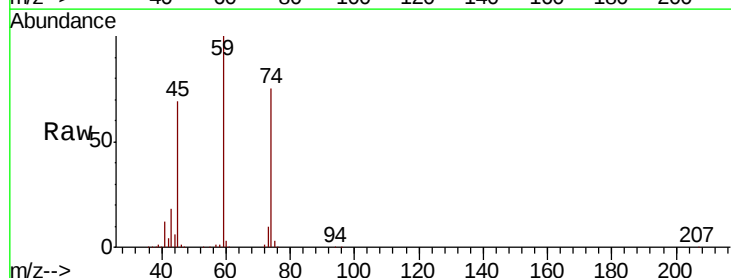
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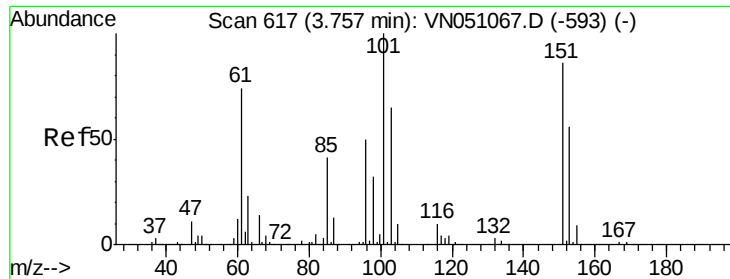


#8

Diethyl Ether
 Concen: 99.74 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion: 74 Resp: 478619
 Ion Ratio Lower Upper
 74 100
 45 91.7 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.38 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

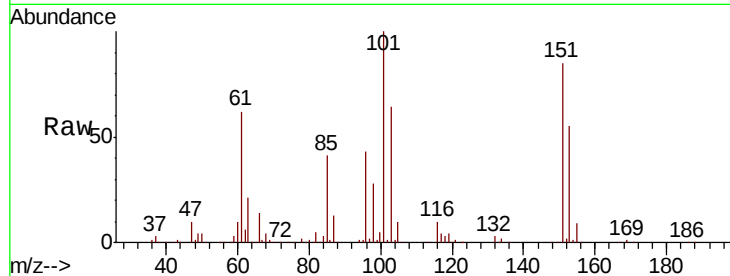
ClientSampleId :

VSTDIC100

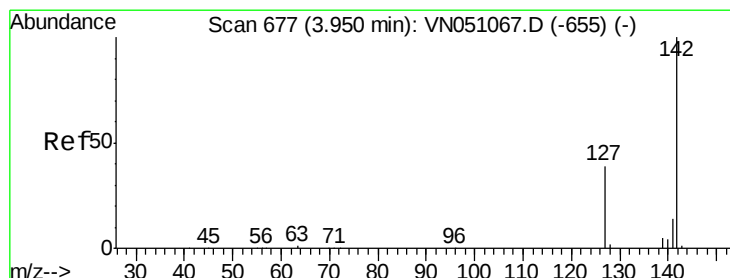
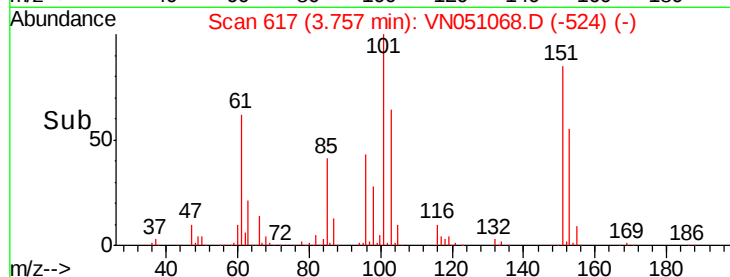
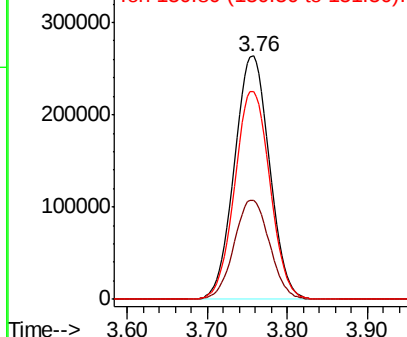
Tot Ion:	101	Resp:	785424
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.3	49.9
151	85.7	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 114.09 ug/l

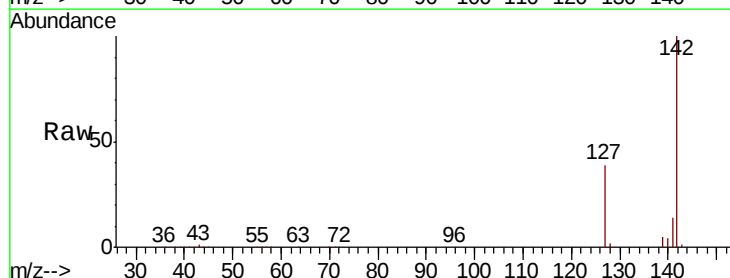
RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

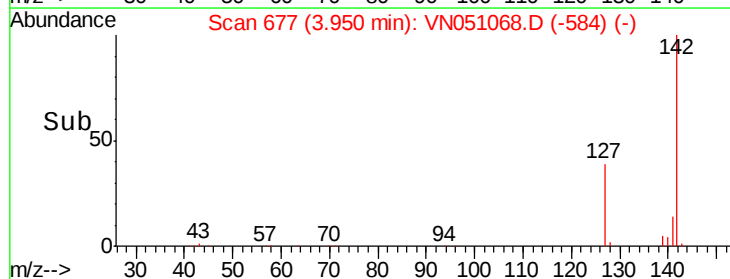
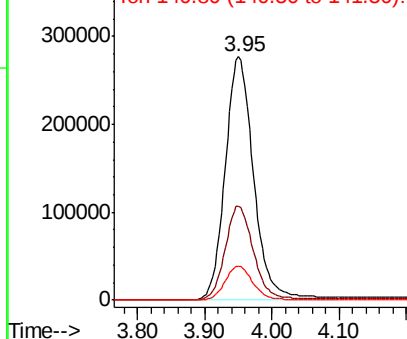
Lab File: VN051068.D

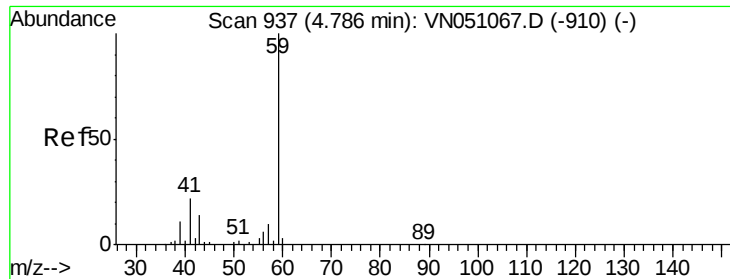
Acq: 10 Sep 2018 9:47

Tgt Ion:	142	Resp:	819804
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	13.9	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





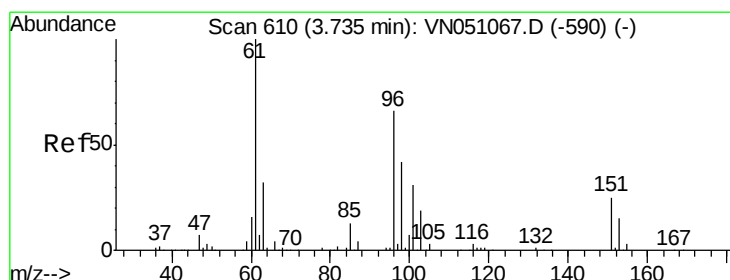
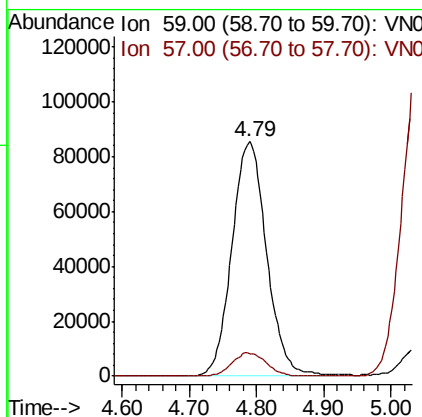
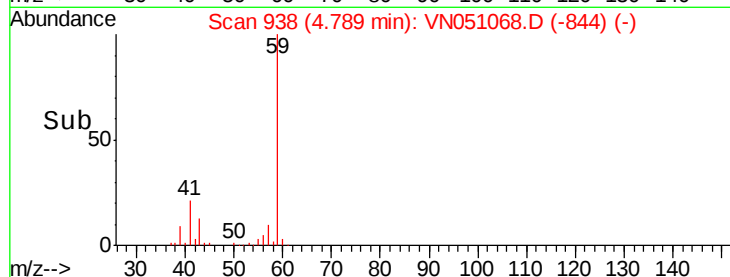
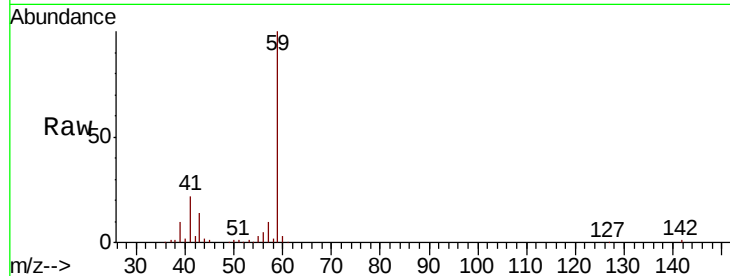
#11
Tert butyl alcohol
Concen: 485.53 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	307011
Ion Ratio	100	Lower	Upper
59	100		
57	9.8	8.1	12.1

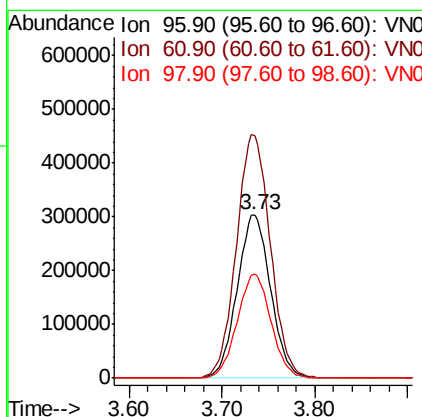
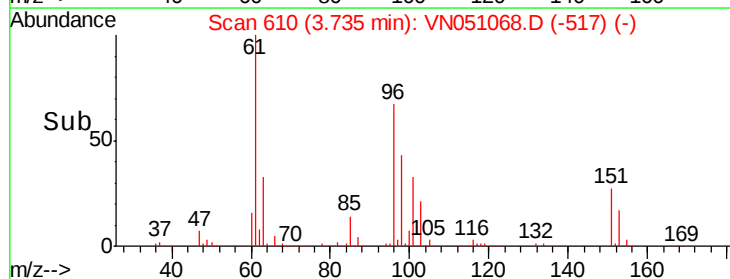
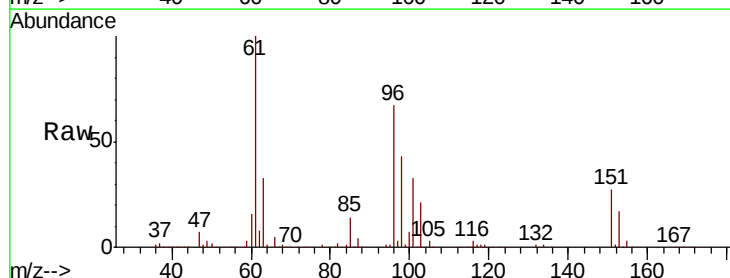
Manual Integrations
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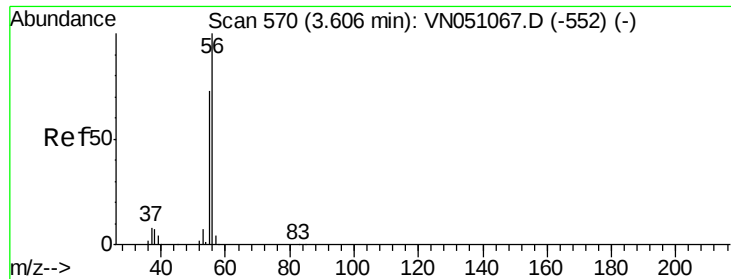
MMDadoda
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#12
1,1-Dichloroethene
Concen: 95.67 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	96	Resp	759145
Ion Ratio	100	Lower	Upper
96	100		
61	148.7	120.3	180.5
98	63.7	50.8	76.2





#13

Acrolein

Concen: 545.63 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 393562

Ion Ratio Lower Upper

56 100

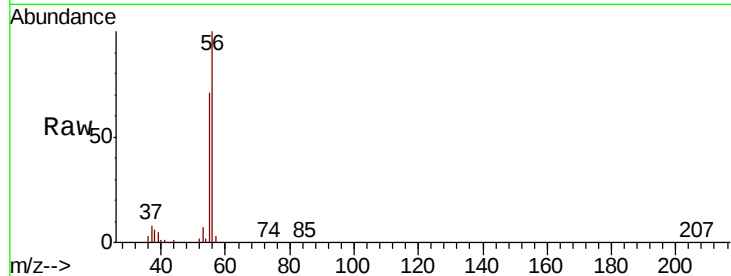
55 70.2 58.0 87.0

Manual Integrations

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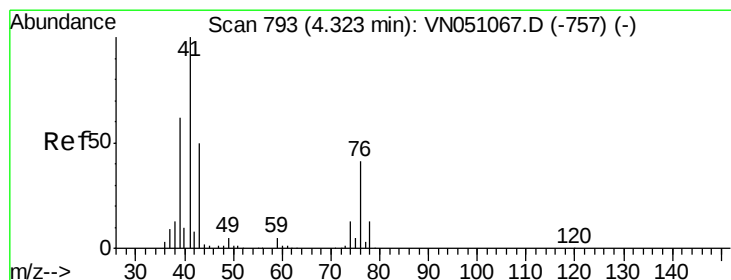
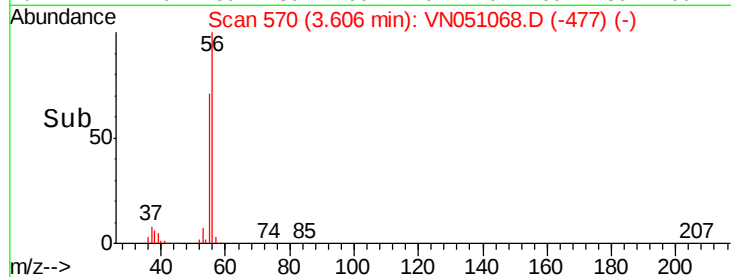
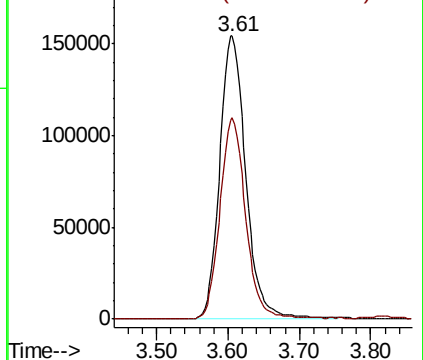
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 100.52 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

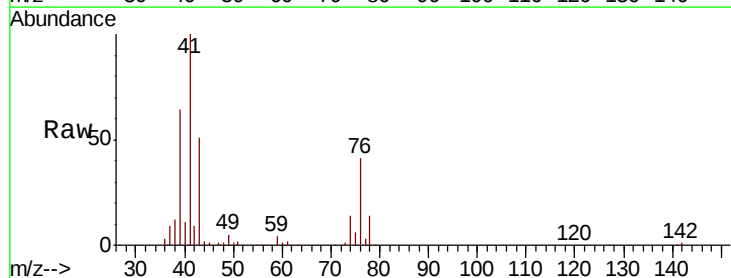
Tgt Ion: 41 Resp: 1215304

Ion Ratio Lower Upper

41 100

39 60.9 48.8 73.2

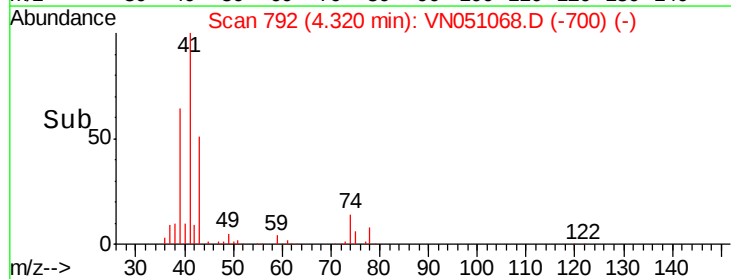
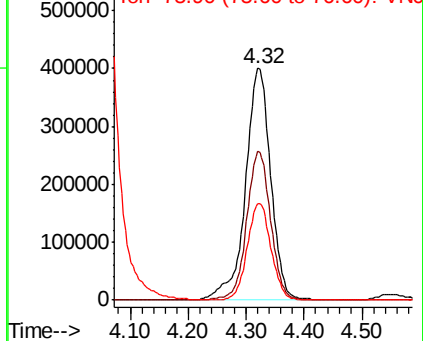
76 38.7 30.6 45.8

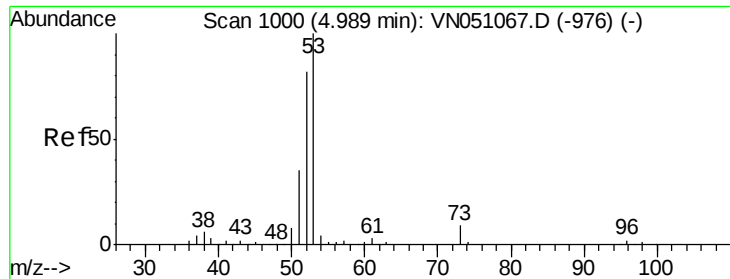


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15
 Acrylonitrile
 Concen: 499.28 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

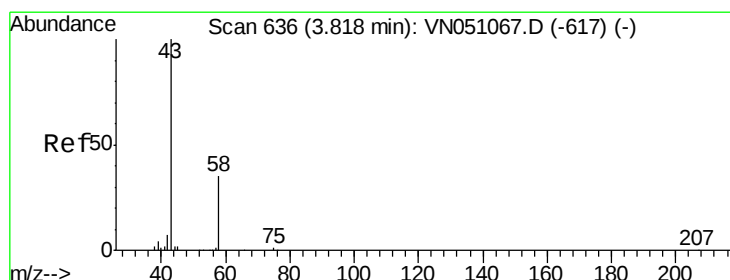
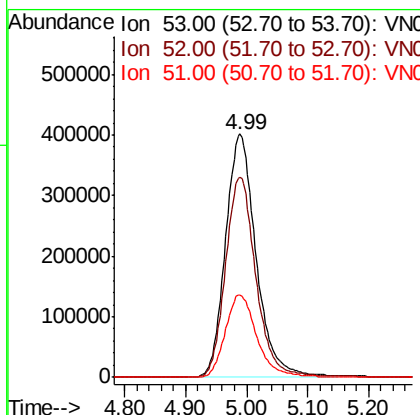
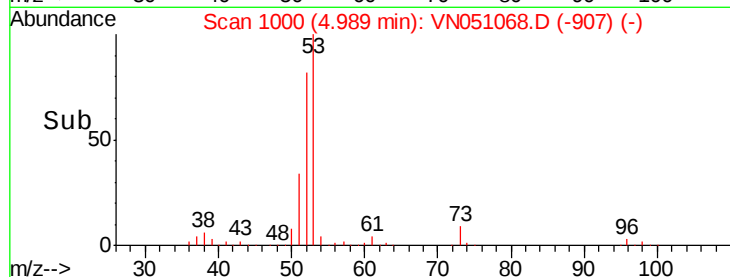
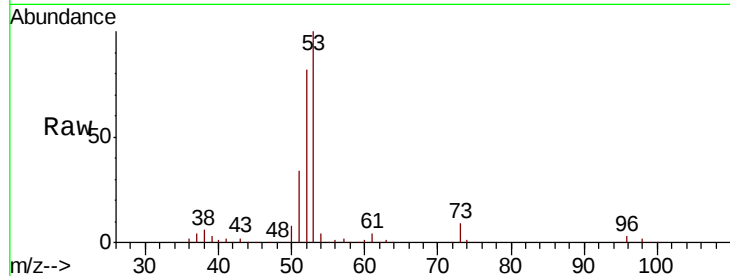
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 53 Resp: 1398912

Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.3	97.9
51	35.1	28.2	42.2

Manual Integrations
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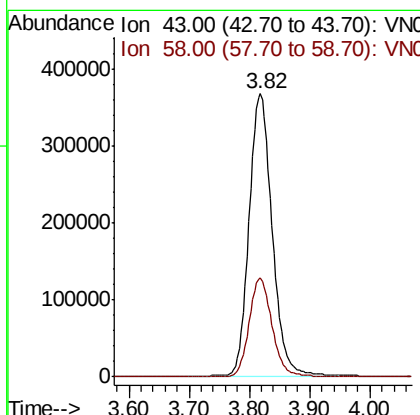
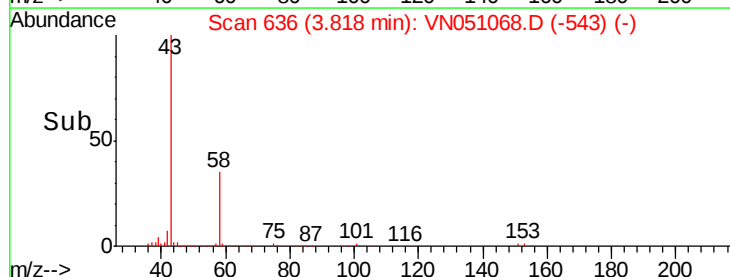
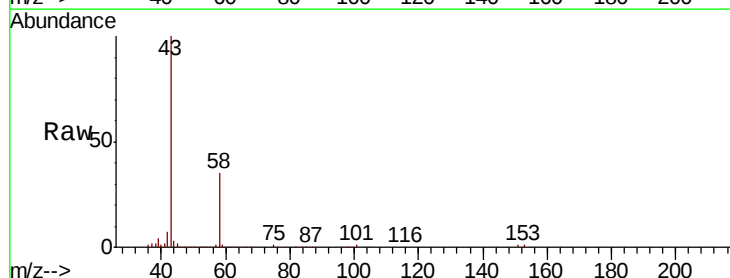
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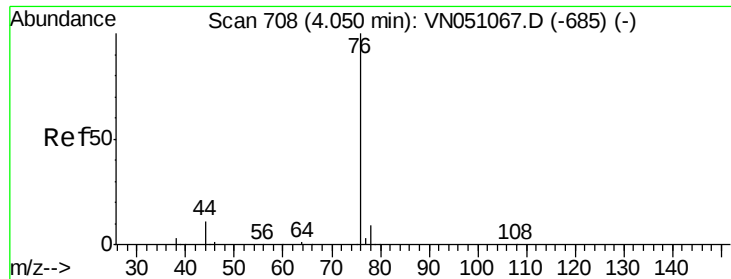


#16
 Acetone
 Concen: 433.17 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion: 43 Resp: 996257

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.6





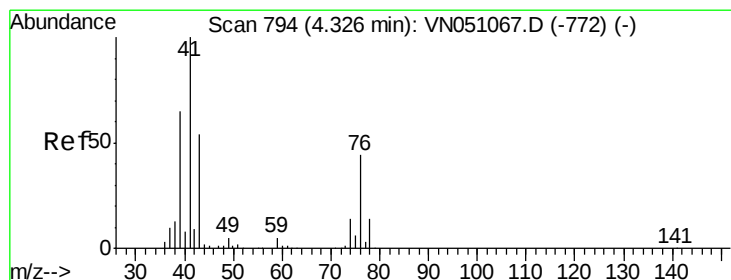
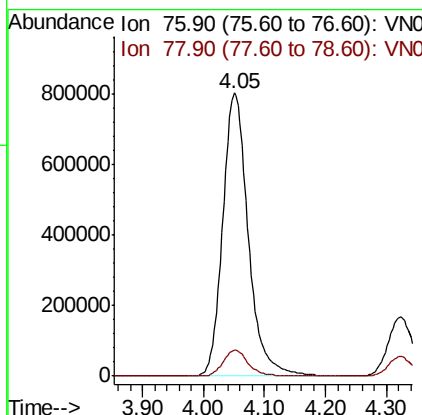
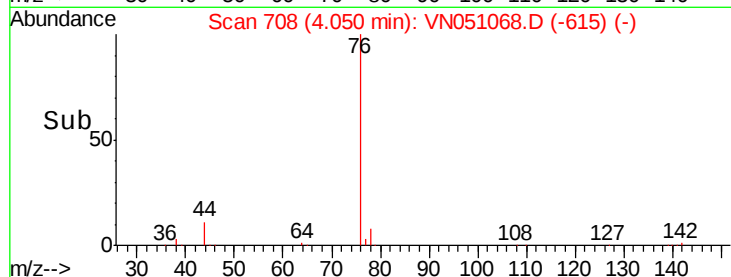
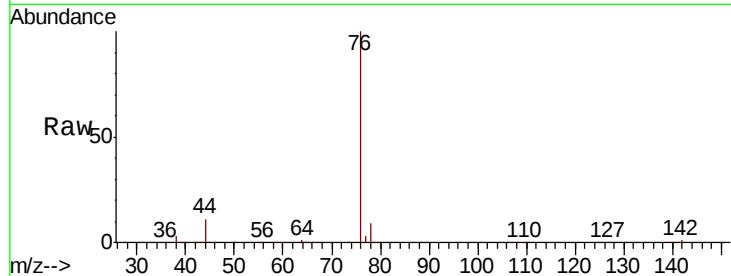
#17
Carbon Disulfide
Concen: 89.15 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 76 Resp: 2327608
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

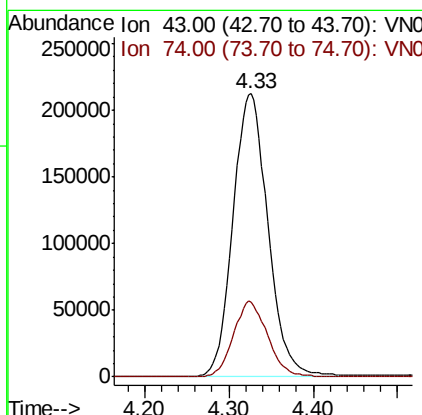
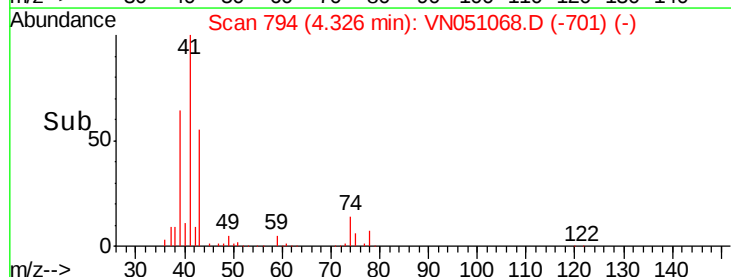
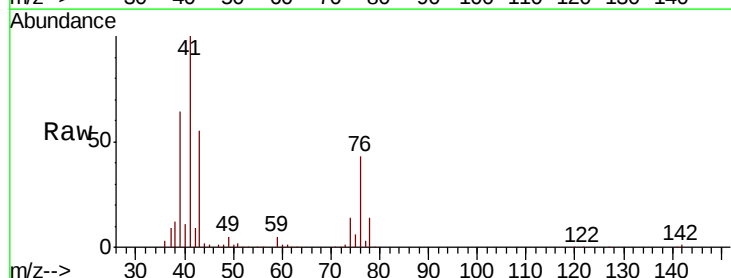
Manual Integrations
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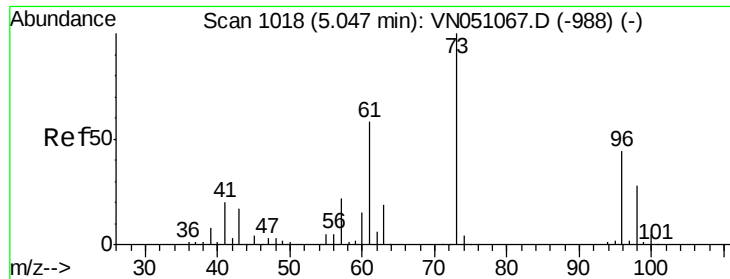
MMDadoda
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#18
Methyl Acetate
Concen: 91.87 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion: 43 Resp: 609024
Ion Ratio Lower Upper
43 100
74 26.2 20.7 31.1





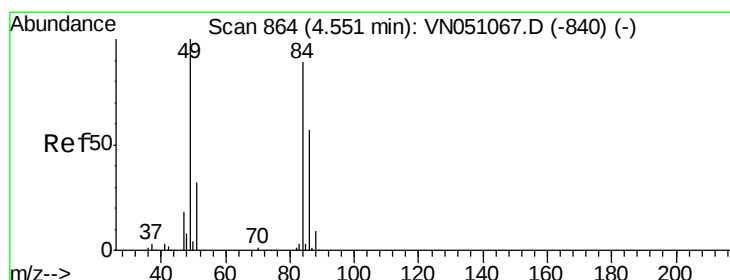
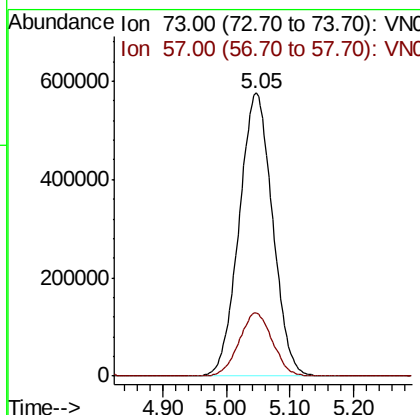
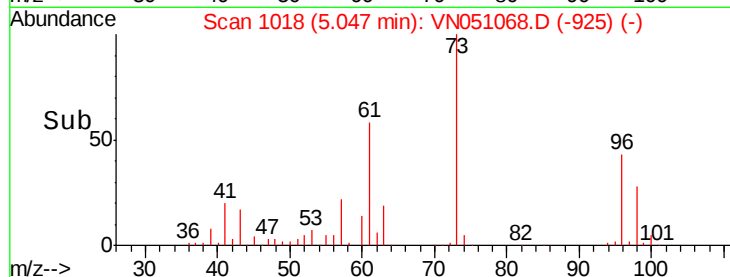
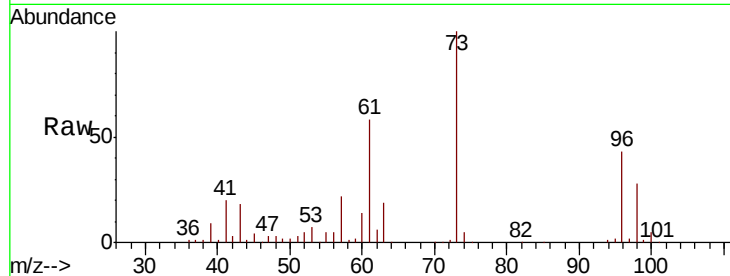
#19
Methvl tert-butvl Ether
Concen: 110.24 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 2101019
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

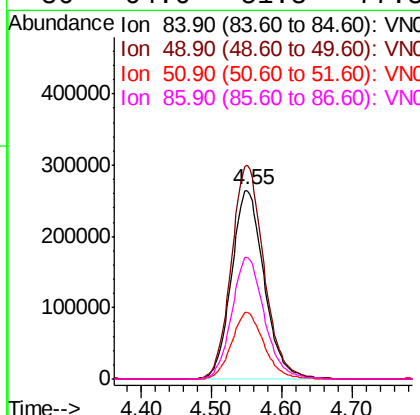
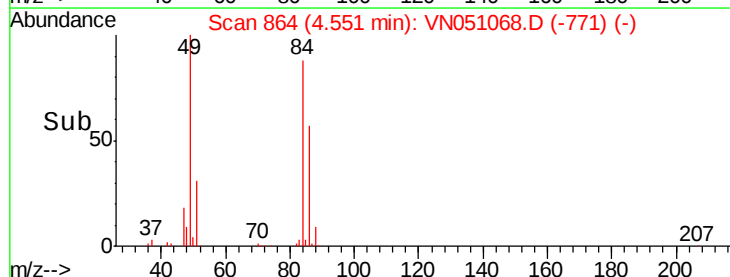
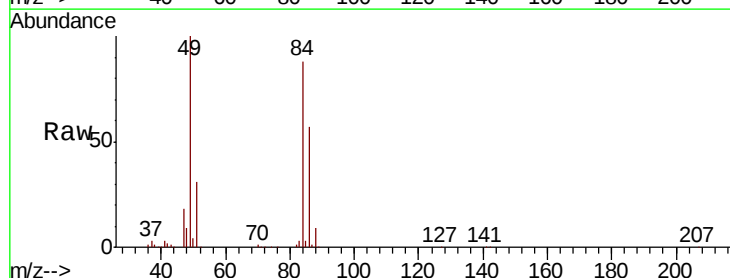
Manual Integrations
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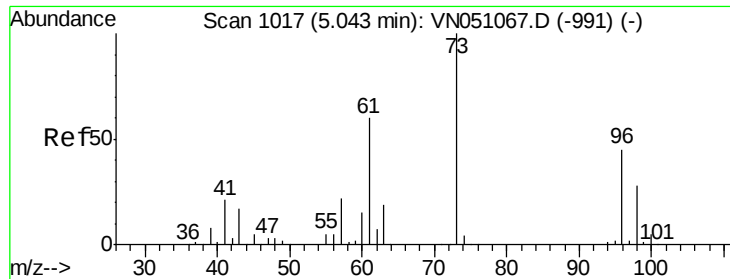
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#20
Methylene Chloride
Concen: 93.57 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion: 84 Resp: 855634
Ion Ratio Lower Upper
84 100
49 113.4 90.2 135.2
51 35.2 28.4 42.6
86 64.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 95.60 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 822816

Ion Ratio Lower Upper

96 100

61 134.2 106.5 159.7

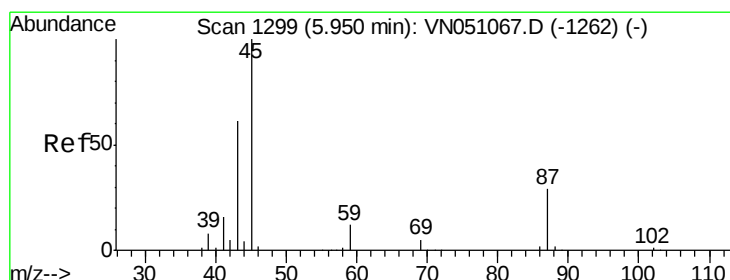
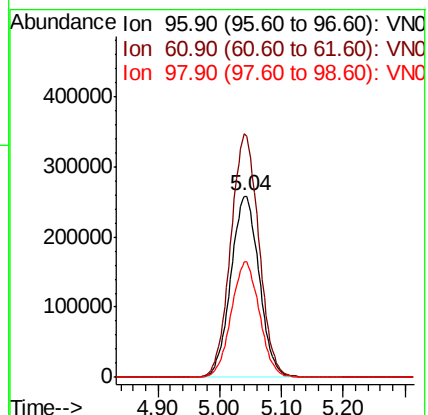
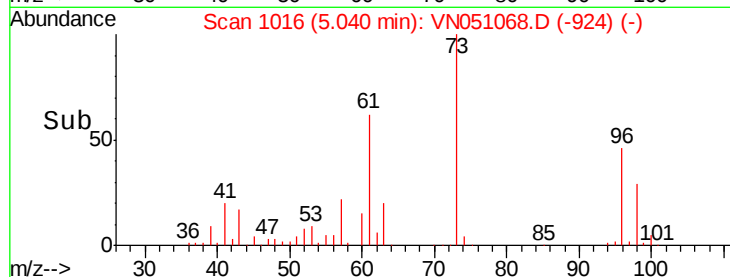
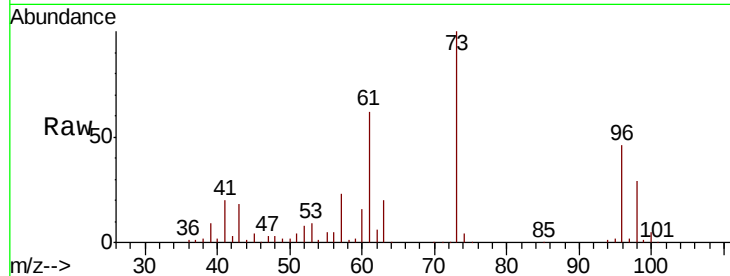
98 63.4 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 100.81 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Tgt Ion: 45 Resp: 2419232

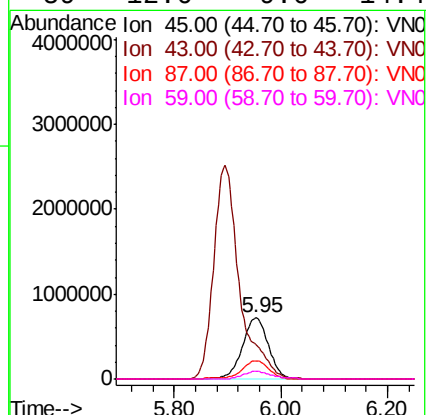
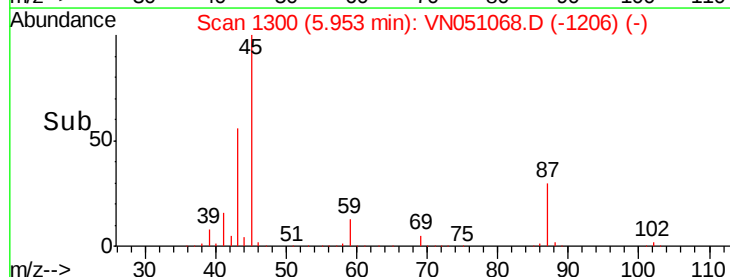
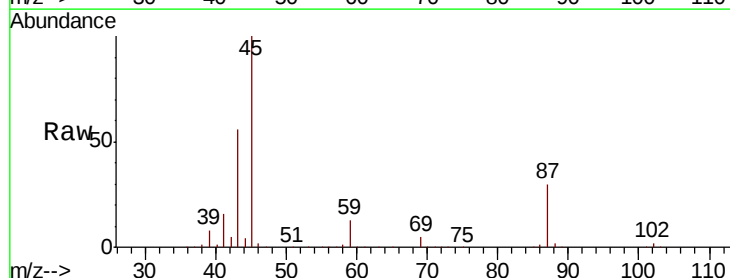
Ion Ratio Lower Upper

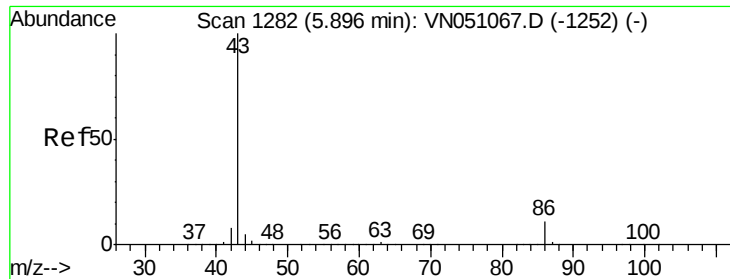
45 100

43 55.3 48.8 73.2

87 30.3 23.8 35.8

59 12.6 9.6 14.4





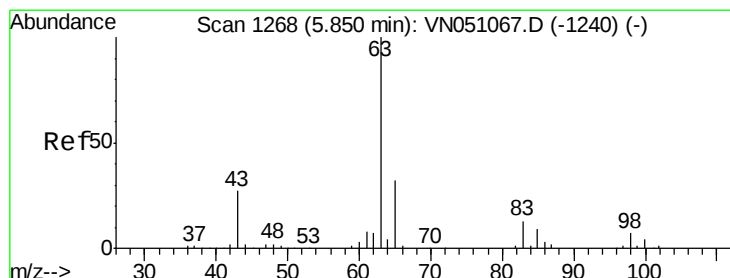
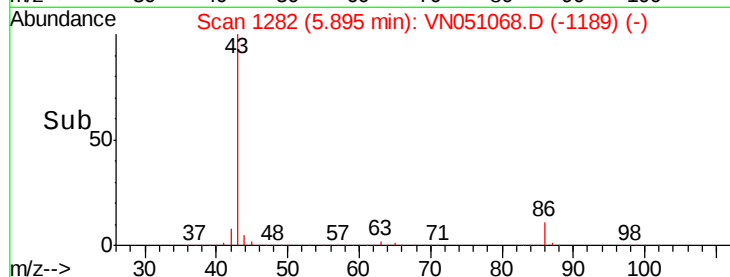
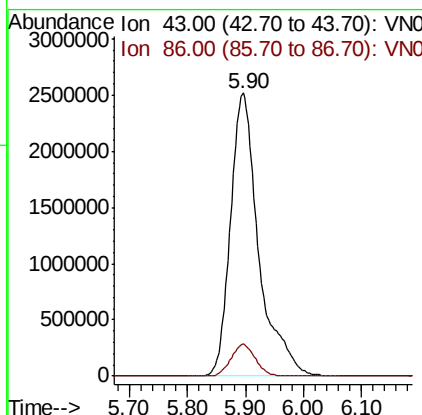
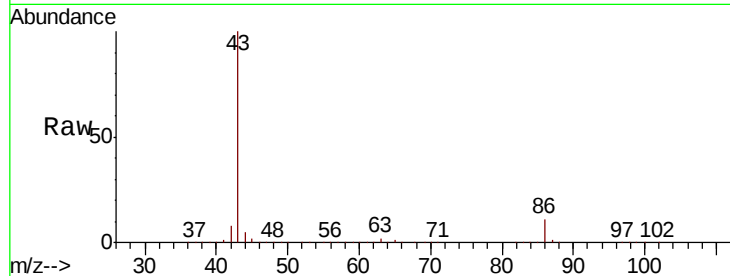
#23
 Vinyl Acetate
 Concen: 524.30 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 8514535
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8

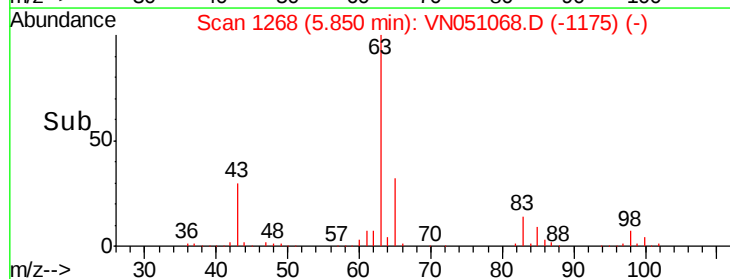
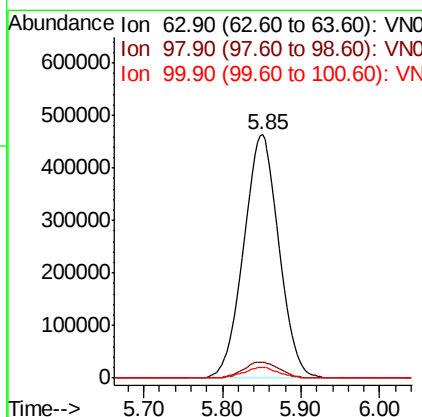
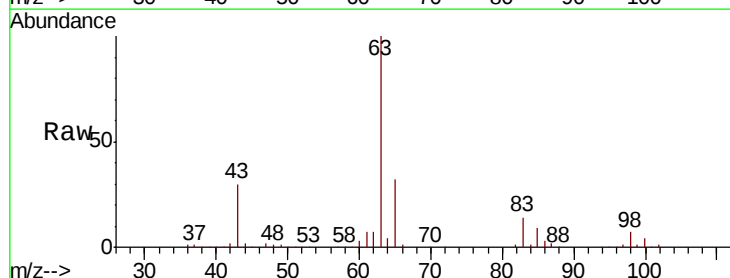
Manual Integrations
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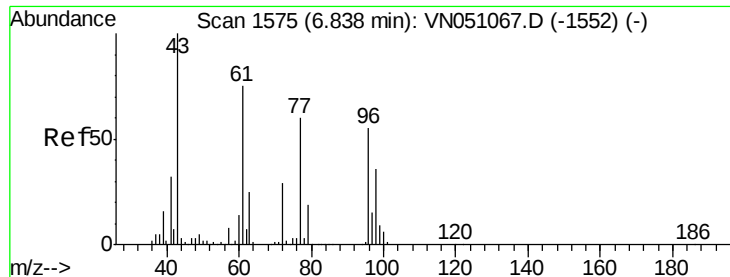
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 9/11/2018 9:40:24 AM



#24
 1,1-Dichloroethane
 Concen: 96.37 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion: 63 Resp: 1467295
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.5 2.1 6.3





#25

2-Butanone

Concen: 480.50 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1563907

Ion Ratio Lower Upper

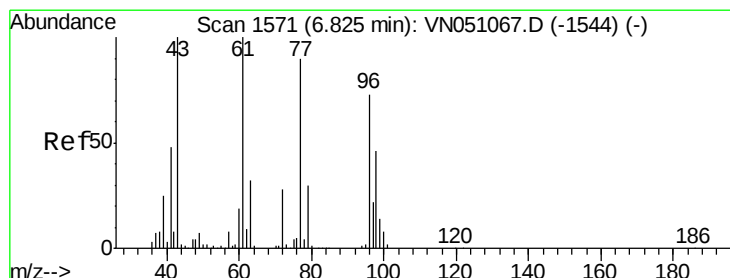
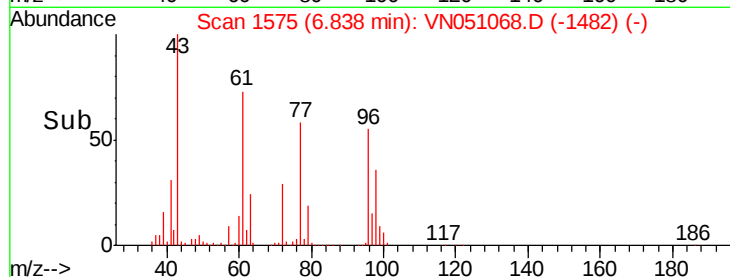
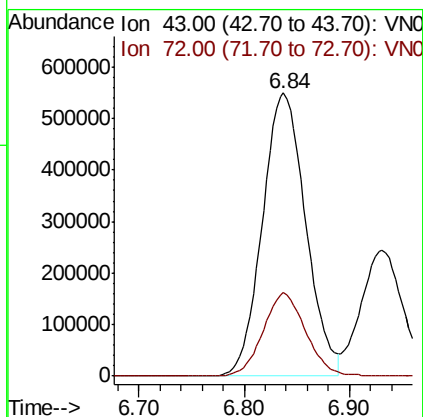
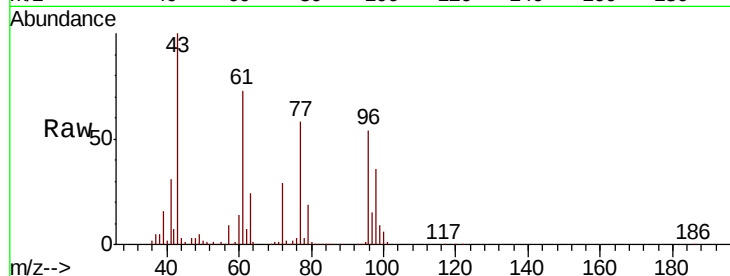
43 100

72 29.5 23.0 34.6

Manual Integrations
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MMDadoda

9/11/2018 9:40:24 AM



#26

2,2-Dichloropropane

Concen: 96.24 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051068.D

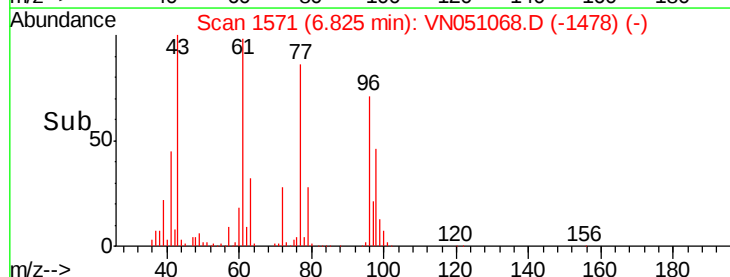
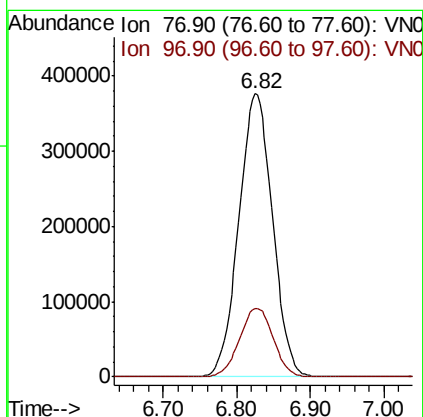
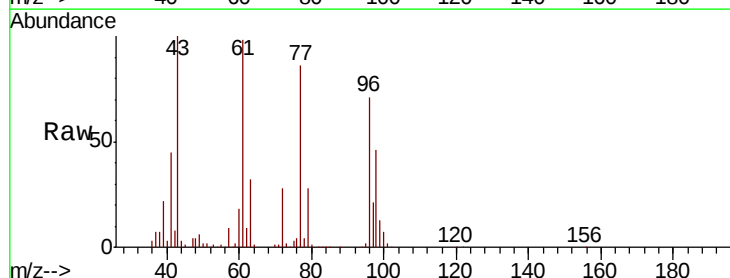
Acq: 10 Sep 2018 9:47

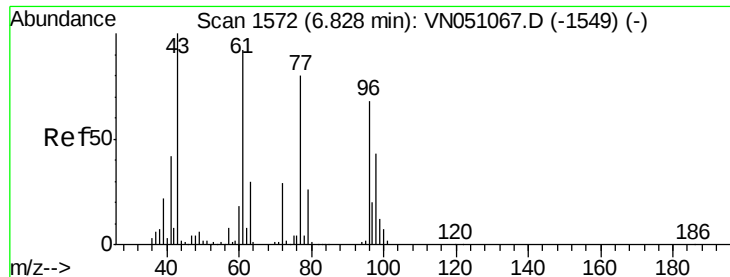
Tgt Ion: 77 Resp: 1199279

Ion Ratio Lower Upper

77 100

97 24.3 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 99.09 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

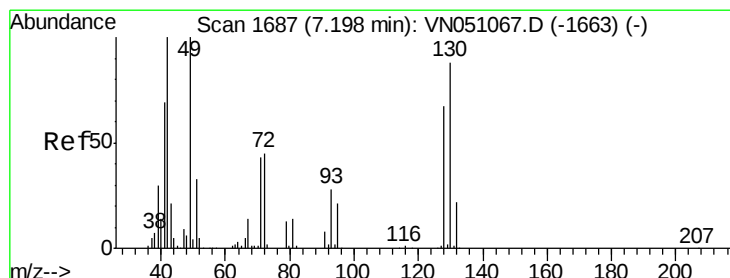
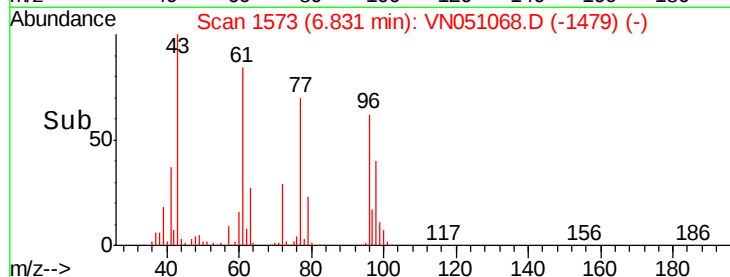
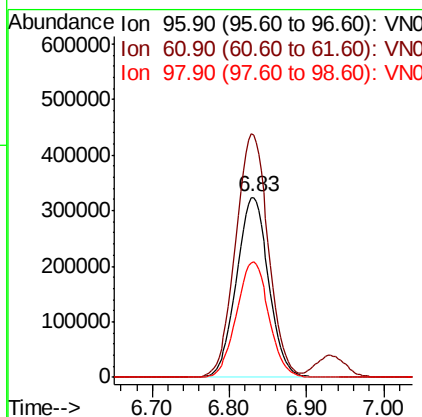
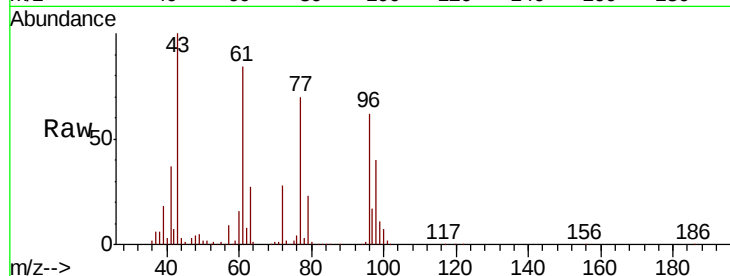
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	935562
Ion Ratio	Lower	Upper	
96	100		
61	137.7	0.0	278.2
98	64.8	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 96.56 ug/l

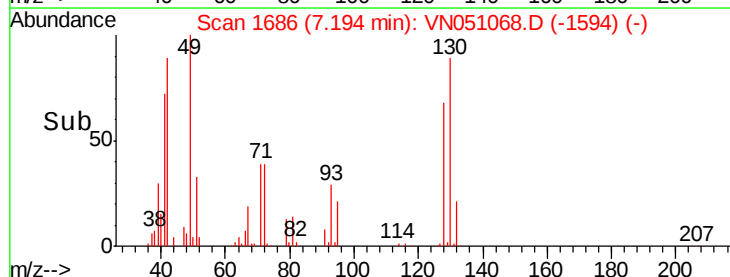
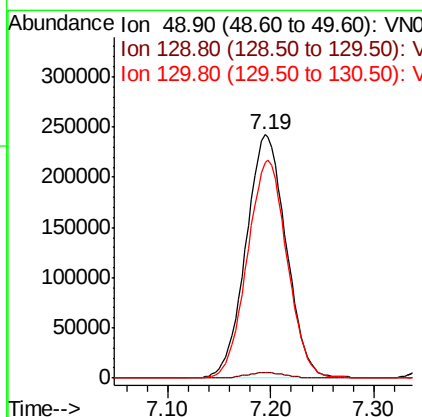
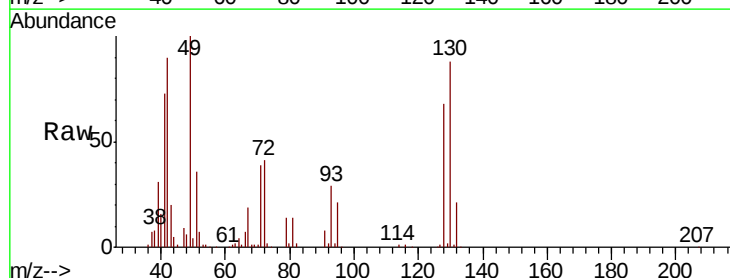
RT: 7.19 min Scan# 1686

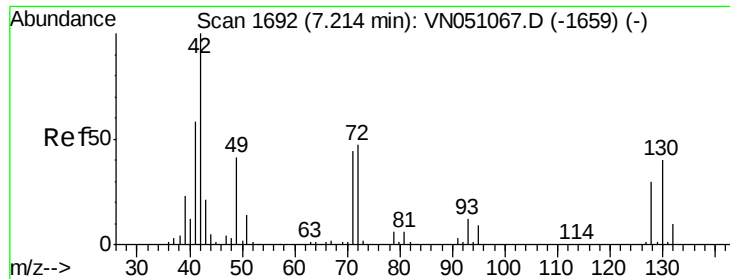
Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Tgt Ion:	49	Resp:	654333
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	89.1	70.7	106.1





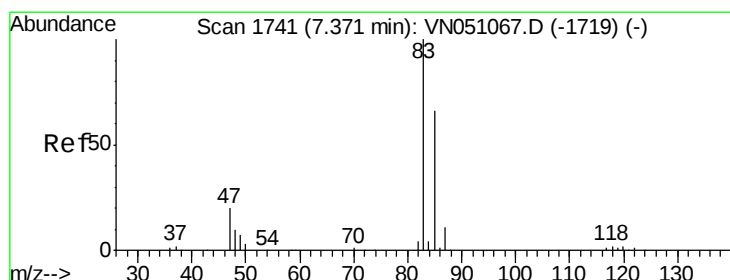
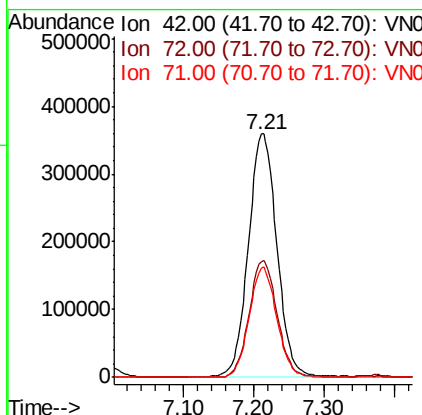
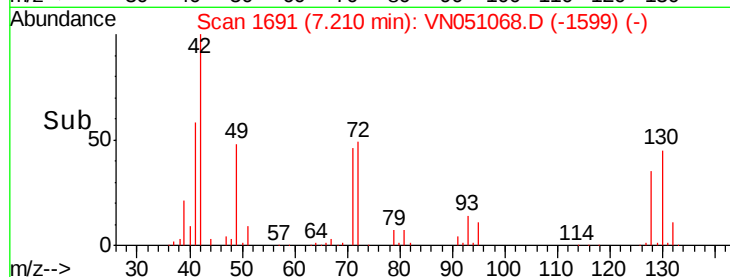
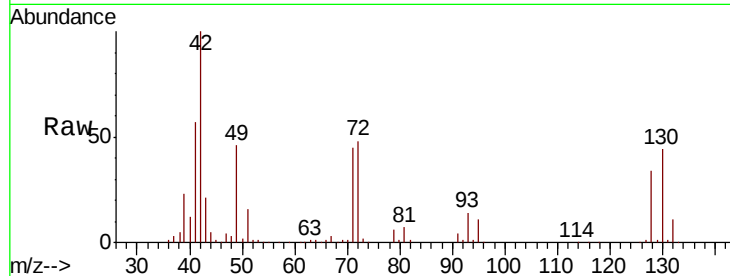
#29
Tetrahydrofuran
Concen: 497.96 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1012123
Ion Ratio Lower Upper
42 100
72 47.0 37.4 56.0
71 43.8 34.7 52.1

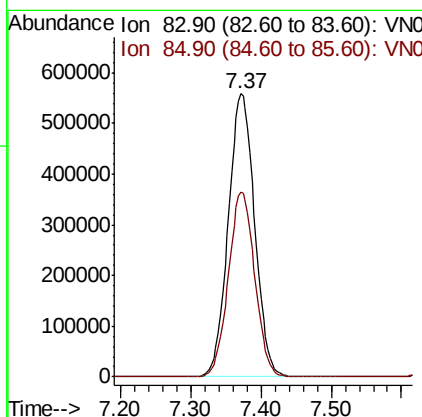
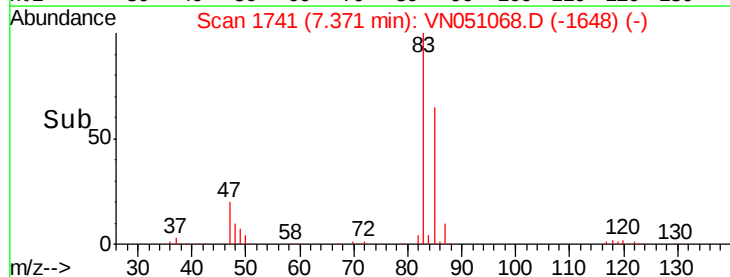
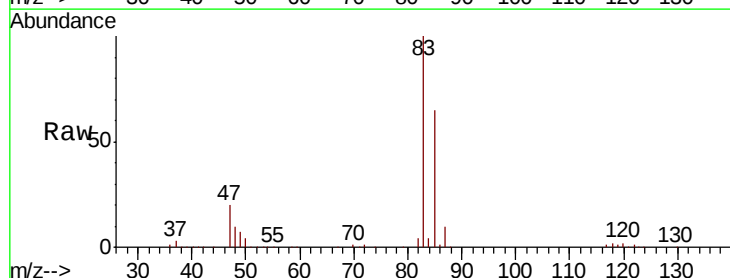
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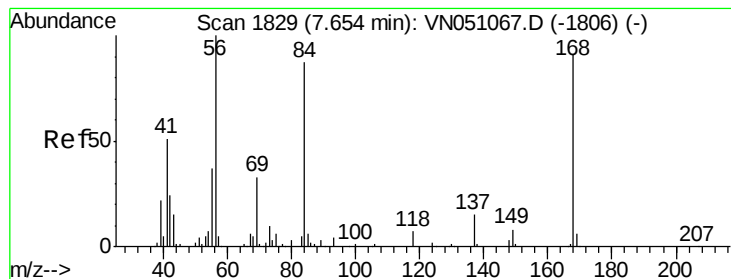
MMDadoda
9/11/2018 9:40:24 AM



#30
Chloroform
Concen: 96.32 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion: 83 Resp: 1458962
Ion Ratio Lower Upper
83 100
85 65.5 52.6 79.0





#31

Cyclohexane

Concen: 87.48 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 1346960

Ion Ratio Lower Upper

56 100

69 32.4 26.3 39.5

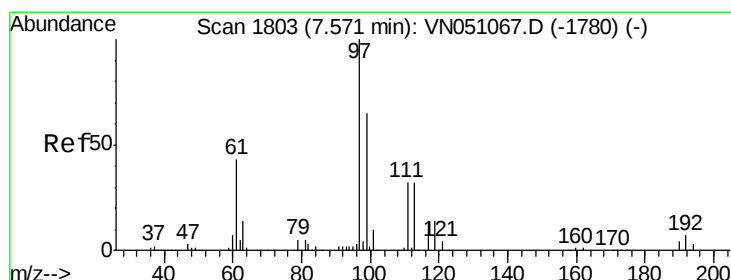
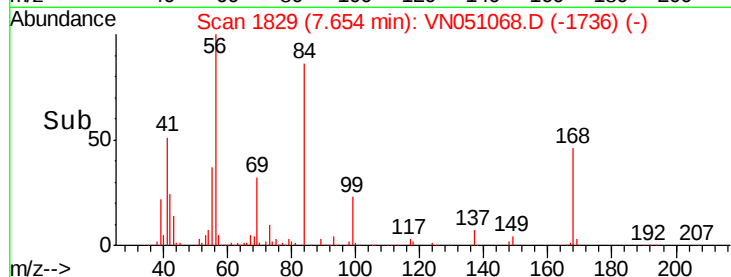
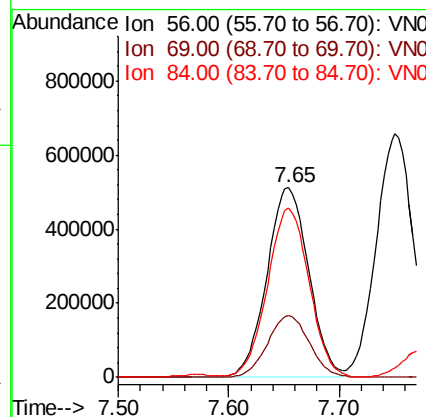
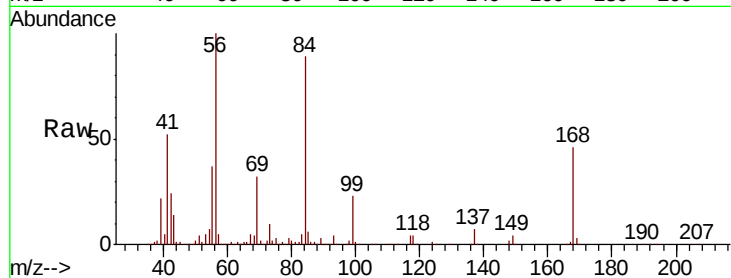
84 87.8 69.4 104.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 97.80 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

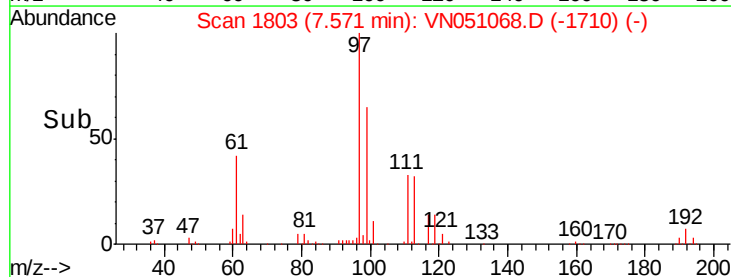
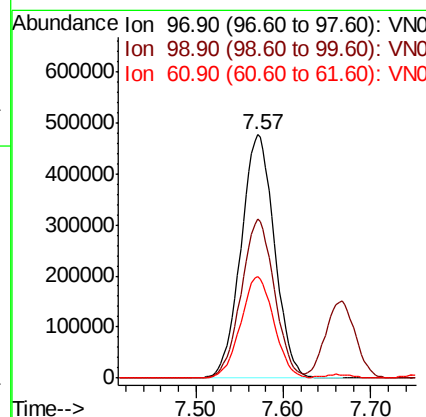
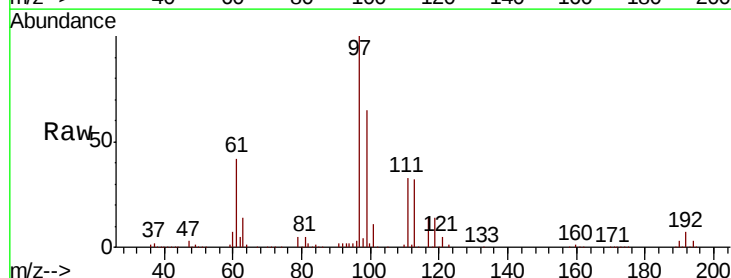
Tgt Ion: 97 Resp: 1262191

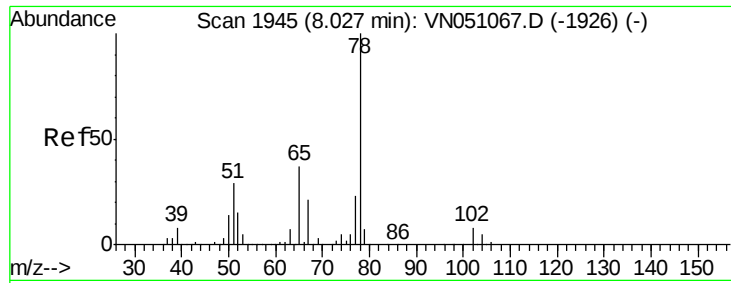
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 41.5 33.8 50.6





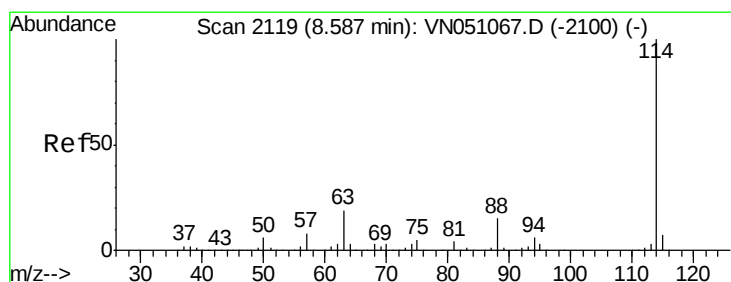
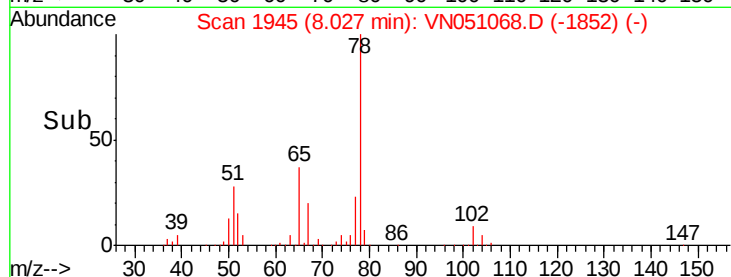
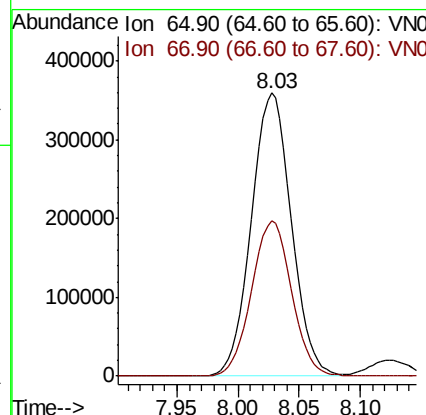
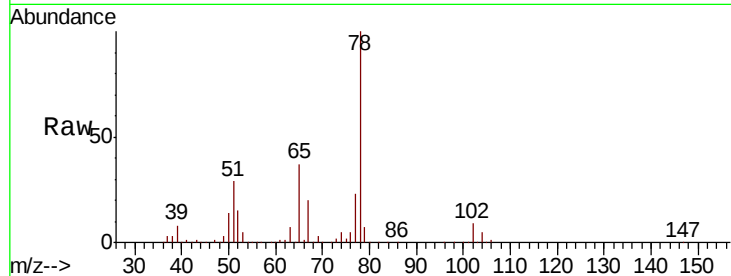
#33
 1,2-Dichloroethane-d4
 Concen: 98.52 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	815590		
67	55.0	0.0	112.0	

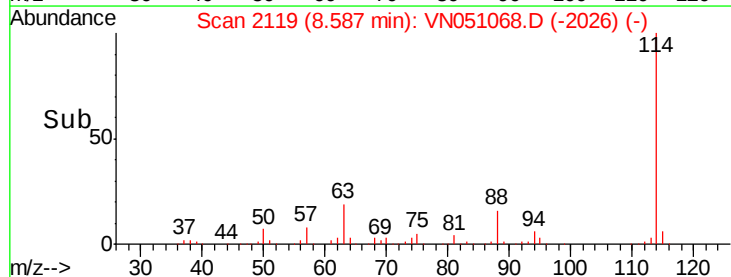
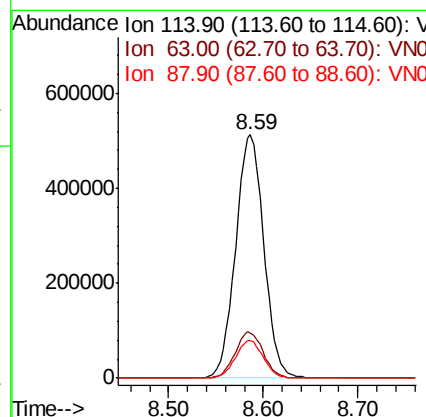
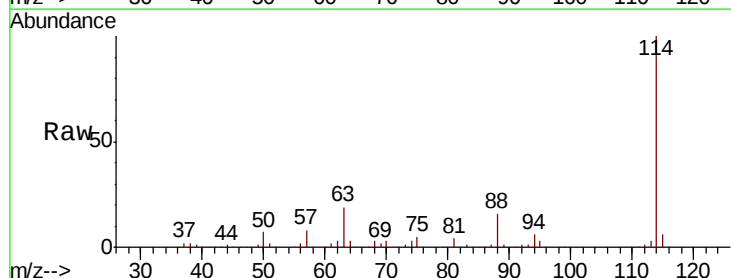
Manual Integrations
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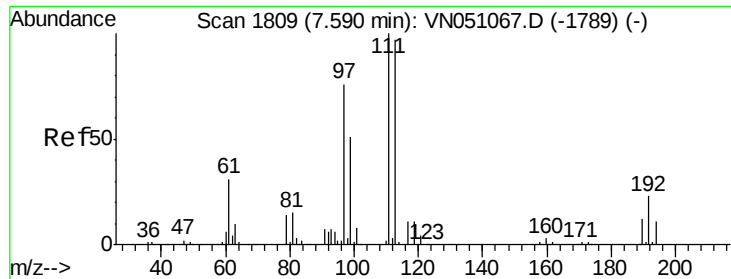
MMDadoda
 9/11/2018 9:40:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1061993		
63	18.8	0.0	37.8	
88	15.6	0.0	30.8	





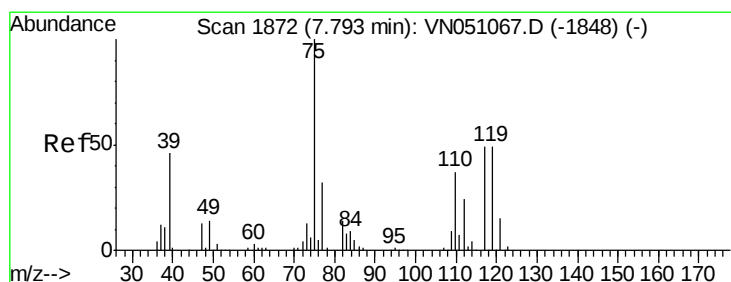
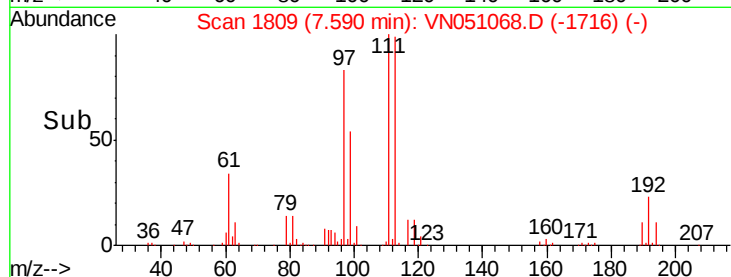
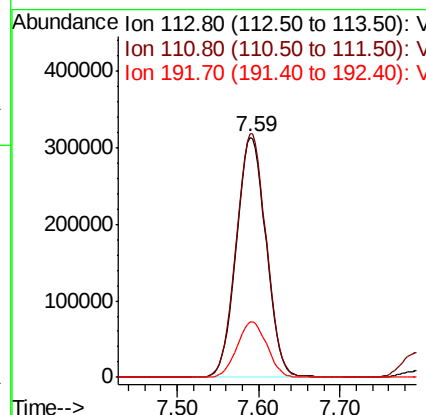
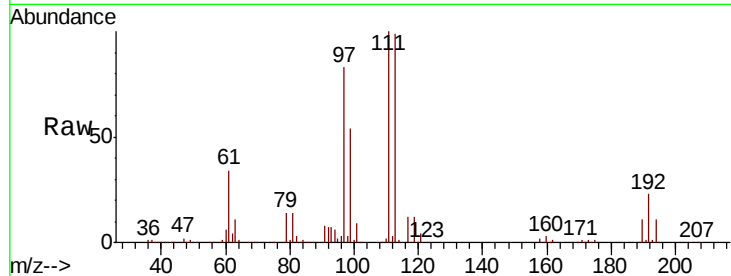
#35
 Dibromofluoromethane
 Concen: 99.79 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	796313		
111	102.0	83.0	124.6	
192	23.3	18.7	28.1	

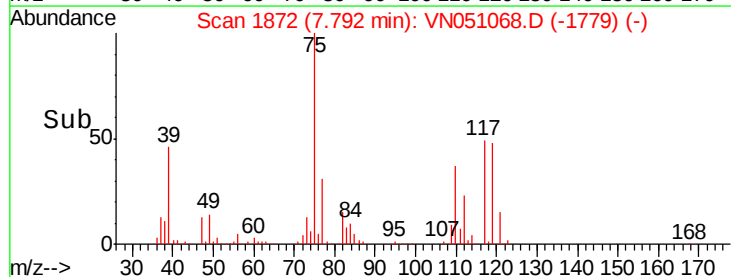
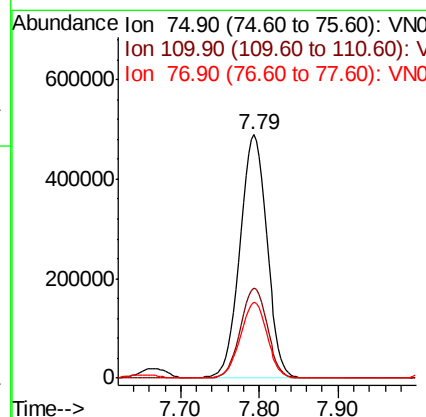
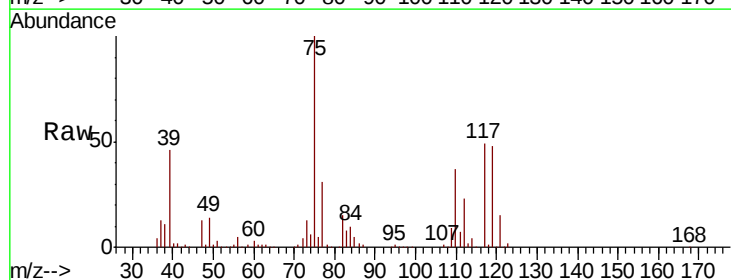
Manual Integrations
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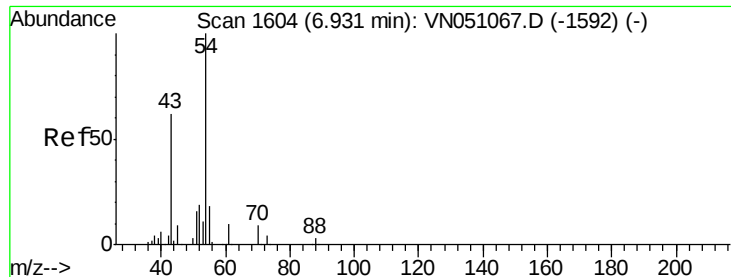
MMDadoda
 9/11/2018 9:40:24 AM



#36
 1,1-Dichloropropene
 Concen: 100.38 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1170355		
110	36.9	18.6	55.8	
77	31.1	25.2	37.8	





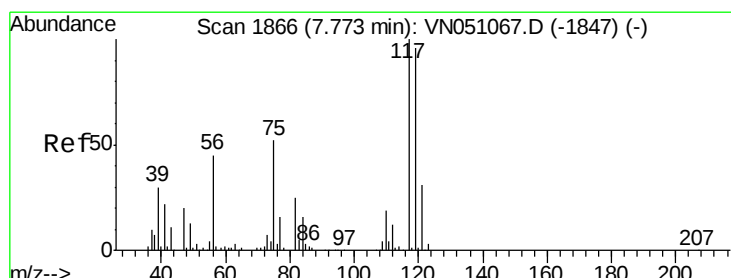
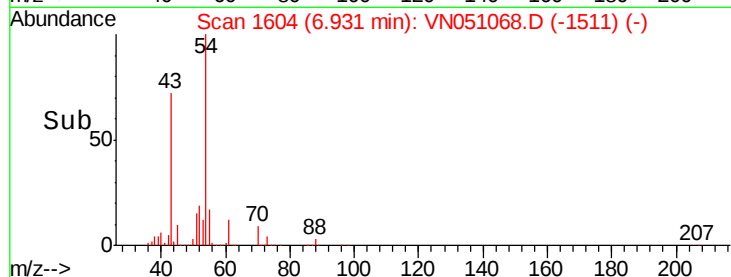
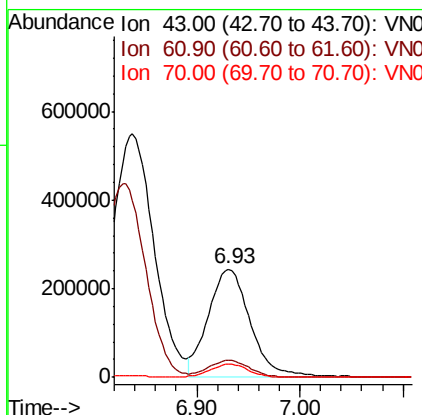
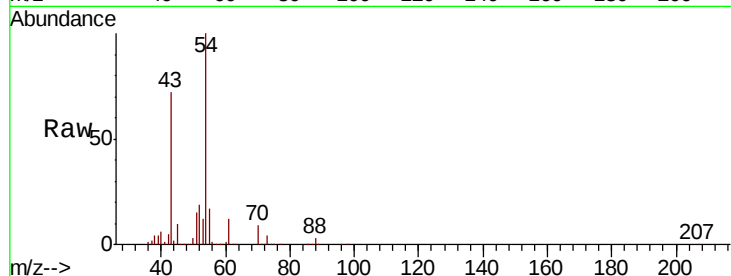
#37
Ethyl Acetate
Concen: 100.76 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	11.6	9.3	13.9

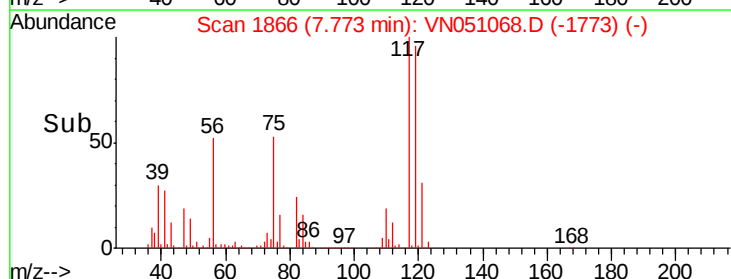
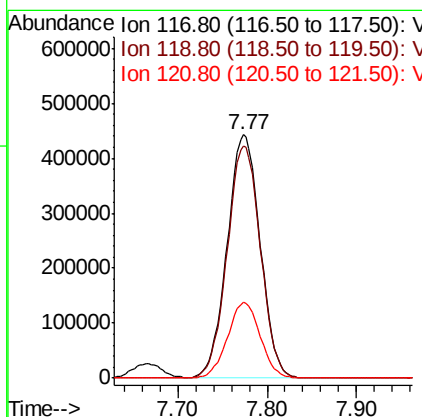
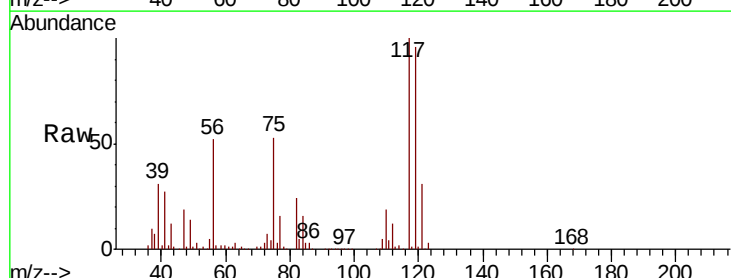
Manual Integrations
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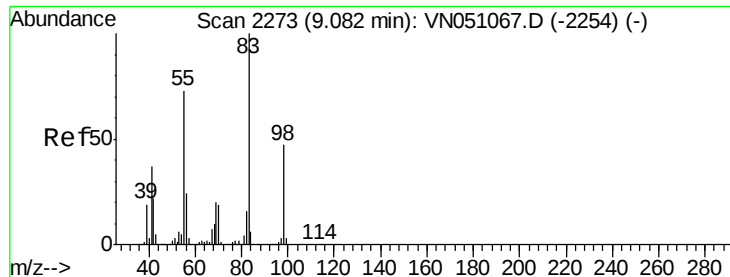
MMDadoda
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#38
Carbon Tetrachloride
Concen: 98.77 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.8	115.2
121	31.1	24.6	36.8





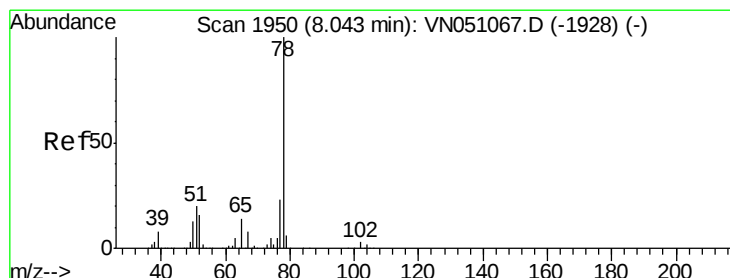
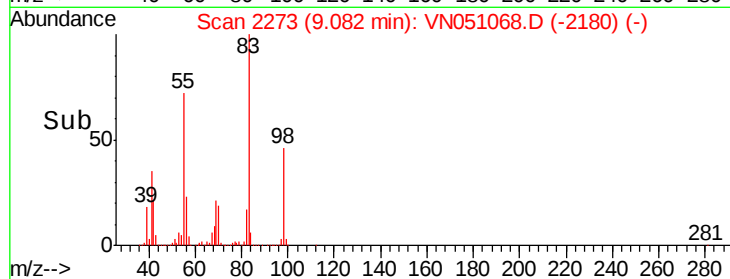
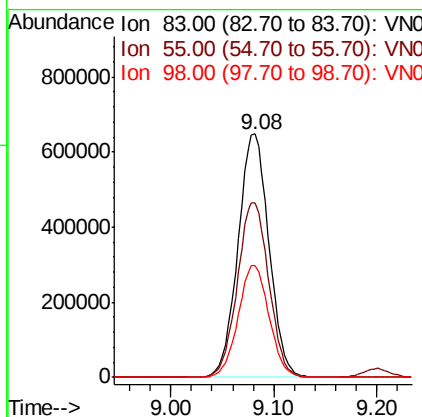
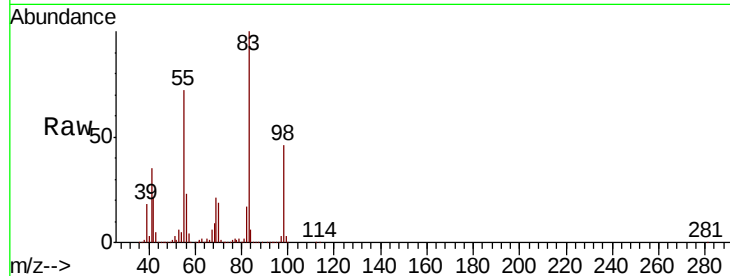
#39
Methvlcvclohexane
Concen: 105.03 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	58.4	87.6
98	45.7	37.3	55.9

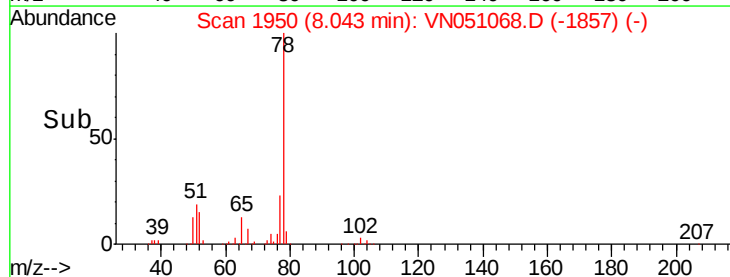
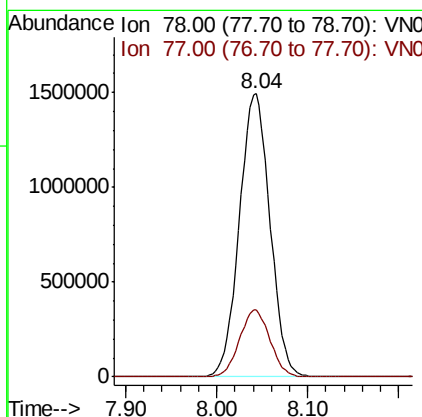
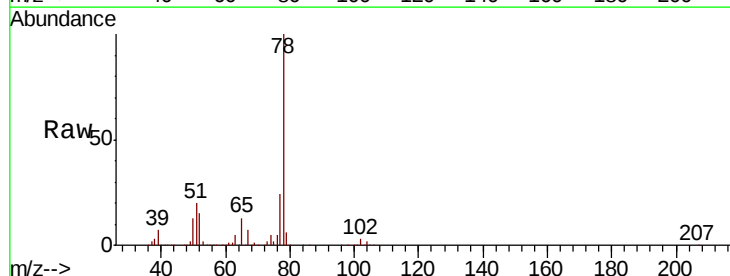
Manual Integrations
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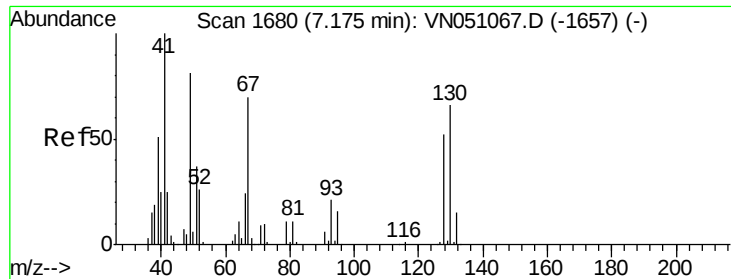
MMDadoda
9/11/2018 9:40:24 AM



#40
Benzene
Concen: 99.30 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





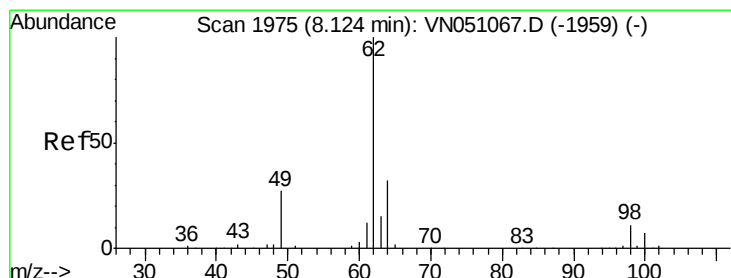
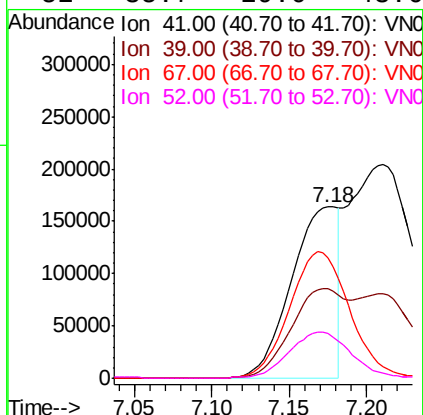
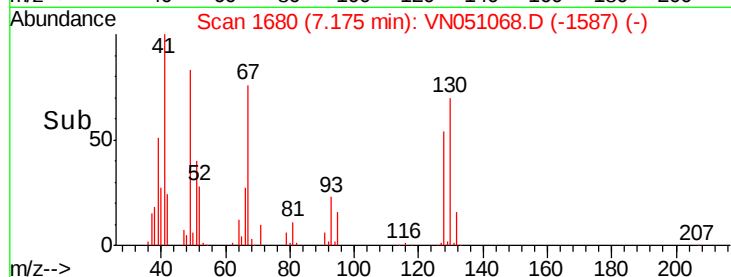
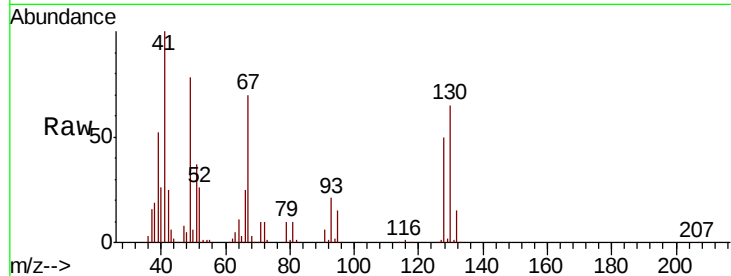
#41
Methacrylonitrile
Concen: 98.34 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	41	Resp	342639
Ion	Ratio	Lower	Upper
41	100		
39	60.3	51.3	76.9
67	96.4	78.5	117.7
52	35.7	29.0	43.6

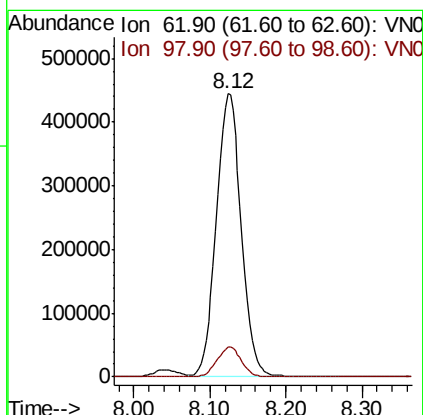
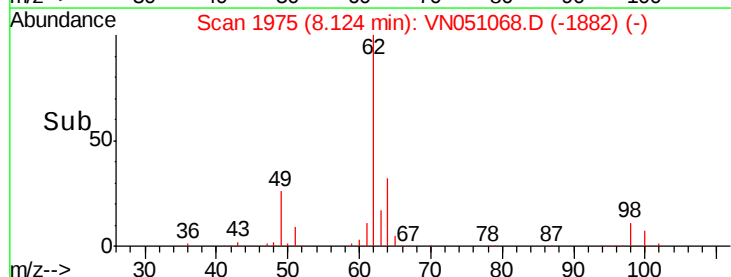
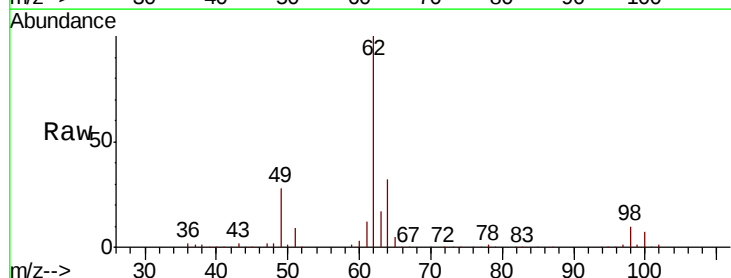
Manual Integrations
APPROVED

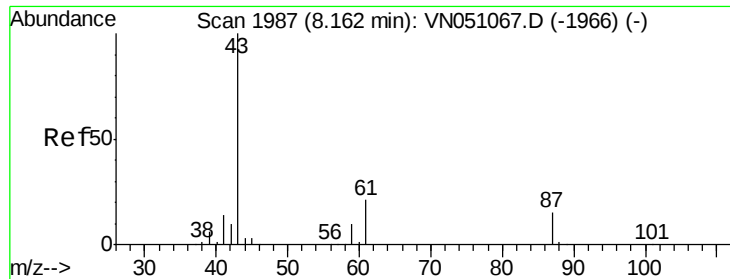
MMDadoda
9/11/2018 9:40:24 AM



#42
1,2-Dichloroethane
Concen: 98.73 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	62	Resp	1011110
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 102.07 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1216156

Ion Ratio Lower Upper

43 100

61 31.4 25.0 37.6

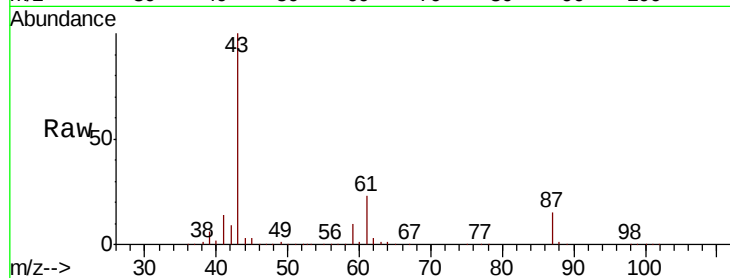
87 14.9 11.8 17.8

Manual Integrations

APPROVED

MMDadoda

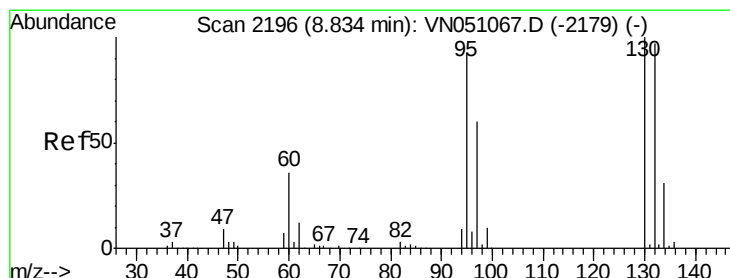
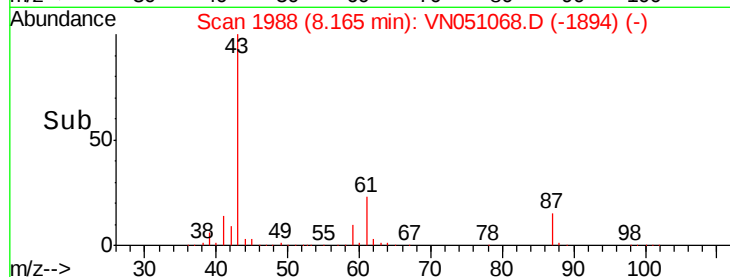
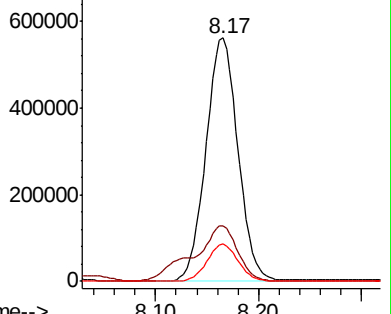
9/11/2018 9:40:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



#44

Trichloroethene

Concen: 97.37 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051068.D

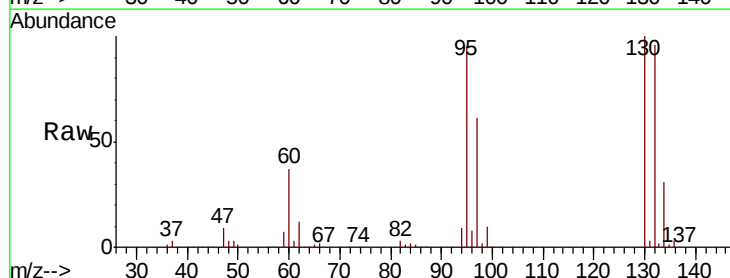
Acq: 10 Sep 2018 9:47

Tgt Ion:130 Resp: 935696

Ion Ratio Lower Upper

130 100

95 95.2 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

Ion 130.00 (129.70 to 130.30): VN051067.D (-2179) (-)

Ion 137.00 (136.70 to 137.30): VN051067.D (-2179) (-)

Ion 139.00 (138.70 to 139.30): VN051067.D (-2179) (-)

Ion 141.00 (140.70 to 141.30): VN051067.D (-2179) (-)

Ion 143.00 (142.70 to 143.30): VN051067.D (-2179) (-)

Ion 145.00 (144.70 to 145.30): VN051067.D (-2179) (-)

Ion 147.00 (146.70 to 147.30): VN051067.D (-2179) (-)

Ion 149.00 (148.70 to 149.30): VN051067.D (-2179) (-)

Ion 151.00 (150.70 to 151.30): VN051067.D (-2179) (-)

Ion 153.00 (152.70 to 153.30): VN051067.D (-2179) (-)

Ion 155.00 (154.70 to 155.30): VN051067.D (-2179) (-)

Ion 157.00 (156.70 to 157.30): VN051067.D (-2179) (-)

Ion 159.00 (158.70 to 159.30): VN051067.D (-2179) (-)

Ion 161.00 (160.70 to 161.30): VN051067.D (-2179) (-)

Ion 163.00 (162.70 to 163.30): VN051067.D (-2179) (-)

Ion 165.00 (164.70 to 165.30): VN051067.D (-2179) (-)

Ion 167.00 (166.70 to 167.30): VN051067.D (-2179) (-)

Ion 169.00 (168.70 to 169.30): VN051067.D (-2179) (-)

Ion 171.00 (170.70 to 171.30): VN051067.D (-2179) (-)

Ion 173.00 (172.70 to 173.30): VN051067.D (-2179) (-)

Ion 175.00 (174.70 to 175.30): VN051067.D (-2179) (-)

Ion 177.00 (176.70 to 177.30): VN051067.D (-2179) (-)

Ion 179.00 (178.70 to 179.30): VN051067.D (-2179) (-)

Ion 181.00 (180.70 to 181.30): VN051067.D (-2179) (-)

Ion 183.00 (182.70 to 183.30): VN051067.D (-2179) (-)

Ion 185.00 (184.70 to 185.30): VN051067.D (-2179) (-)

Ion 187.00 (186.70 to 187.30): VN051067.D (-2179) (-)

Ion 189.00 (188.70 to 189.30): VN051067.D (-2179) (-)

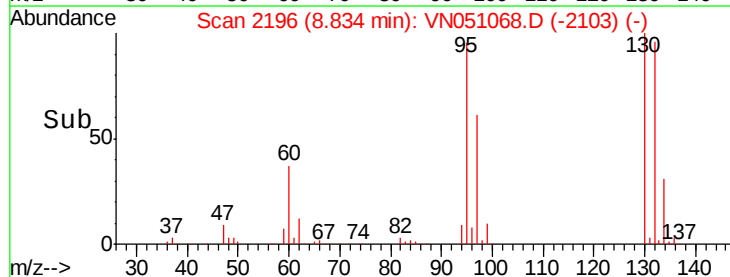
Ion 191.00 (190.70 to 191.30): VN051067.D (-2179) (-)

Ion 193.00 (192.70 to 193.30): VN051067.D (-2179) (-)

Ion 195.00 (194.70 to 195.30): VN051067.D (-2179) (-)

Ion 197.00 (196.70 to 197.30): VN051067.D (-2179) (-)

Ion 199.00 (198.70 to 199.30): VN051067.D (-2179) (-)



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

Ion 130.00 (129.70 to 130.30): VN051067.D (-2179) (-)

Ion 137.00 (136.70 to 137.30): VN051067.D (-2179) (-)

Ion 139.00 (138.70 to 139.30): VN051067.D (-2179) (-)

Ion 141.00 (140.70 to 141.30): VN051067.D (-2179) (-)

Ion 143.00 (142.70 to 143.30): VN051067.D (-2179) (-)

Ion 145.00 (144.70 to 145.30): VN051067.D (-2179) (-)

Ion 147.00 (146.70 to 147.30): VN051067.D (-2179) (-)

Ion 149.00 (148.70 to 149.30): VN051067.D (-2179) (-)

Ion 151.00 (150.70 to 151.30): VN051067.D (-2179) (-)

Ion 153.00 (152.70 to 153.30): VN051067.D (-2179) (-)

Ion 155.00 (154.70 to 155.30): VN051067.D (-2179) (-)

Ion 157.00 (156.70 to 157.30): VN051067.D (-2179) (-)

Ion 159.00 (158.70 to 159.30): VN051067.D (-2179) (-)

Ion 161.00 (160.70 to 161.30): VN051067.D (-2179) (-)

Ion 163.00 (162.70 to 163.30): VN051067.D (-2179) (-)

Ion 165.00 (164.70 to 165.30): VN051067.D (-2179) (-)

Ion 167.00 (166.70 to 167.30): VN051067.D (-2179) (-)

Ion 169.00 (168.70 to 169.30): VN051067.D (-2179) (-)

Ion 171.00 (170.70 to 171.30): VN051067.D (-2179) (-)

Ion 173.00 (172.70 to 173.30): VN051067.D (-2179) (-)

Ion 175.00 (174.70 to 175.30): VN051067.D (-2179) (-)

Ion 177.00 (176.70 to 177.30): VN051067.D (-2179) (-)

Ion 179.00 (178.70 to 179.30): VN051067.D (-2179) (-)

Ion 181.00 (180.70 to 181.30): VN051067.D (-2179) (-)

Ion 183.00 (182.70 to 183.30): VN051067.D (-2179) (-)

Ion 185.00 (184.70 to 185.30): VN051067.D (-2179) (-)

Ion 187.00 (186.70 to 187.30): VN051067.D (-2179) (-)

Ion 189.00 (188.70 to 189.30): VN051067.D (-2179) (-)

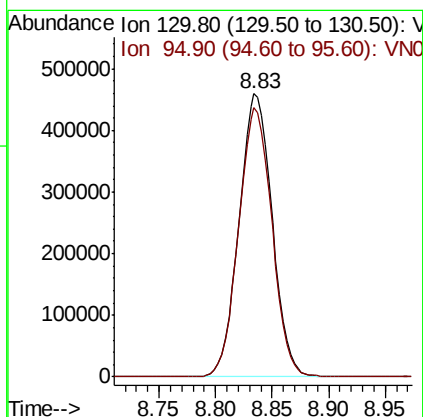
Ion 191.00 (190.70 to 191.30): VN051067.D (-2179) (-)

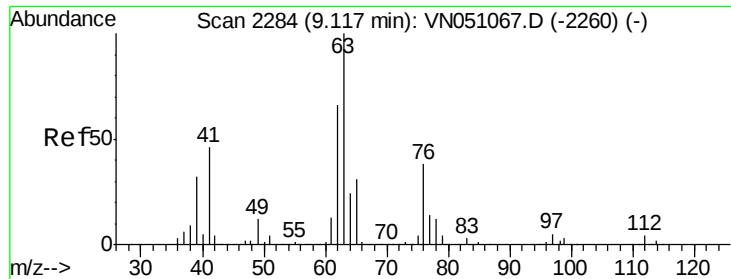
Ion 193.00 (192.70 to 193.30): VN051067.D (-2179) (-)

Ion 195.00 (194.70 to 195.30): VN051067.D (-2179) (-)

Ion 197.00 (196.70 to 197.30): VN051067.D (-2179) (-)

Ion 199.00 (198.70 to 199.30): VN051067.D (-2179) (-)





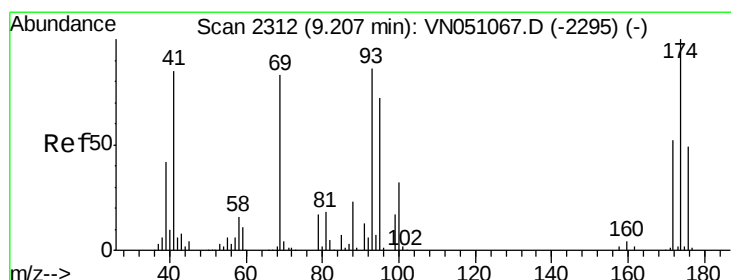
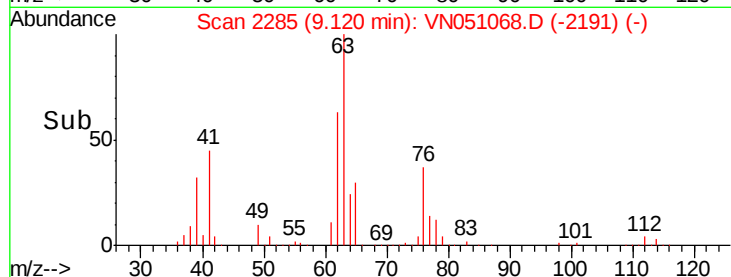
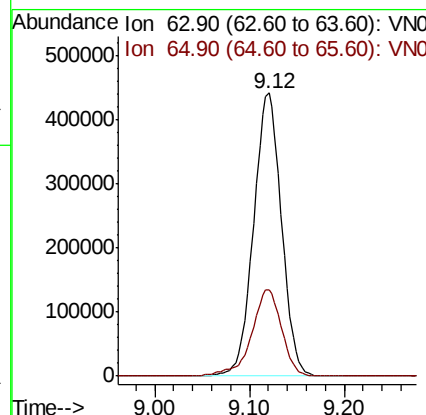
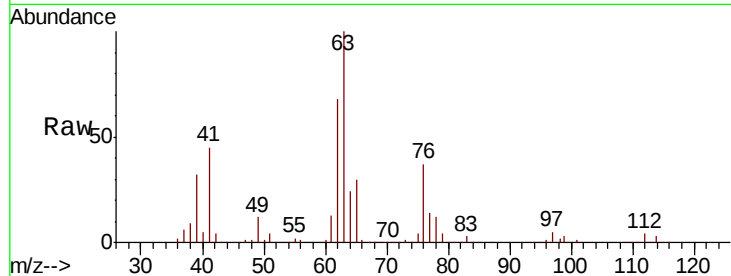
#45
 1,2-Dichloropropane
 Concen: 99.63 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.7	37.1

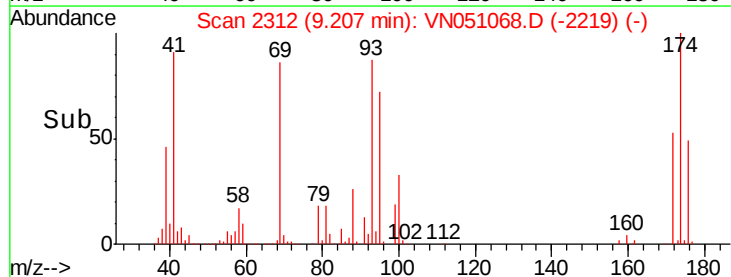
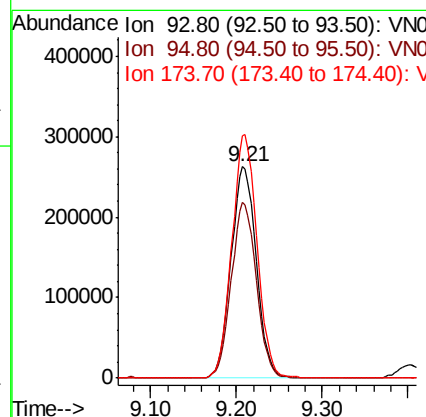
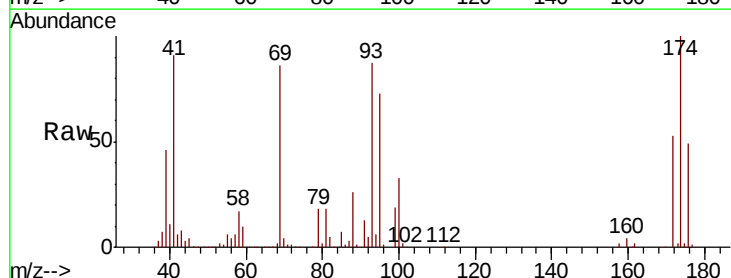
Manual Integrations
 APPROVED

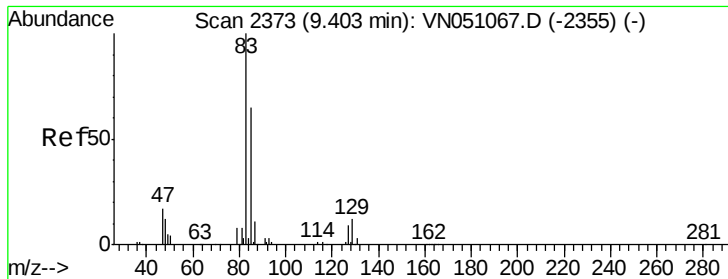
MMDadoda
 9/11/2018 9:40:24 AM



#46
 Dibromomethane
 Concen: 96.65 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.8	100.2
174	115.3	93.3	139.9





#47

Bromodichloromethane

Concen: 101.07 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1138328

Ion Ratio Lower Upper

83 100

85 65.1 52.3 78.5

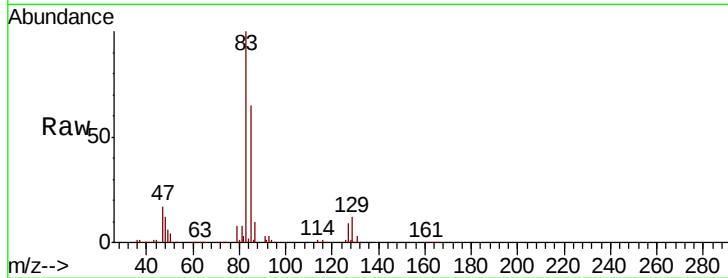
127 9.1 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

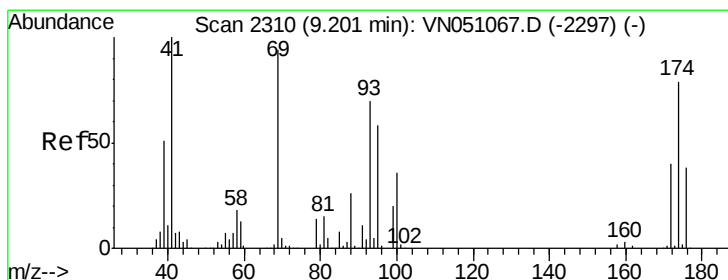
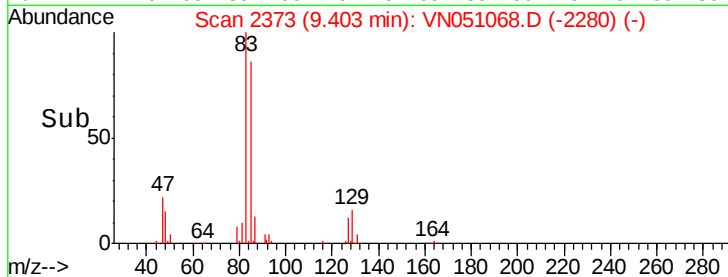
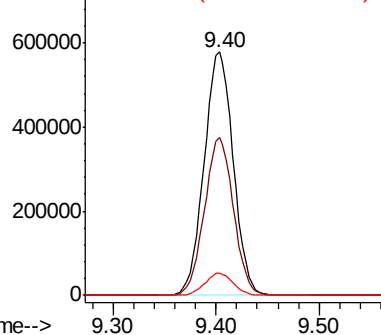
9/11/2018 9:40:24 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN051067.D (-2355) (-)



#48

Methyl methacrylate

Concen: 104.95 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

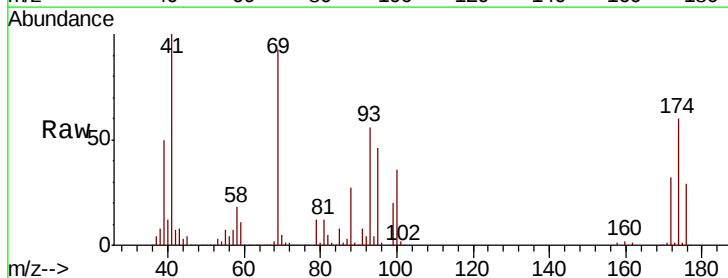
Tgt Ion: 41 Resp: 609407

Ion Ratio Lower Upper

41 100

69 97.0 77.7 116.5

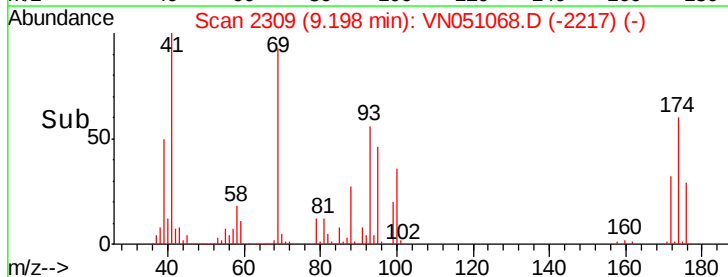
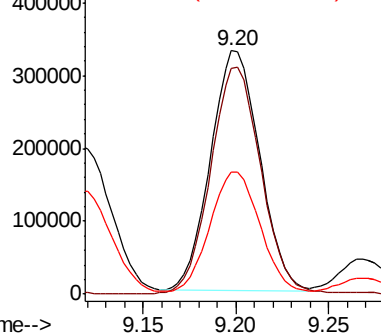
39 52.3 41.6 62.4

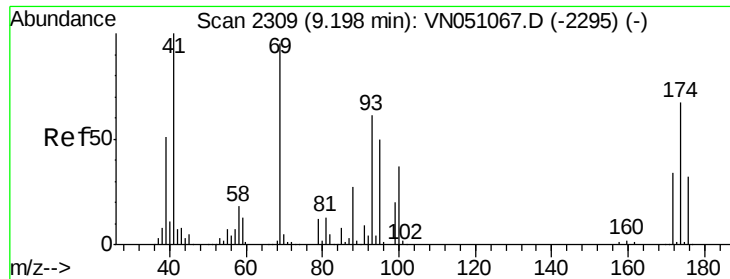


Abundance Ion 41.00 (40.70 to 41.70): VN051067.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN051067.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN051067.D (-2297) (-)





#49

1,4-Dioxane

Concen: 2116.05 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 192676

Ion Ratio Lower Upper

88 100

43 27.7 23.7 35.5

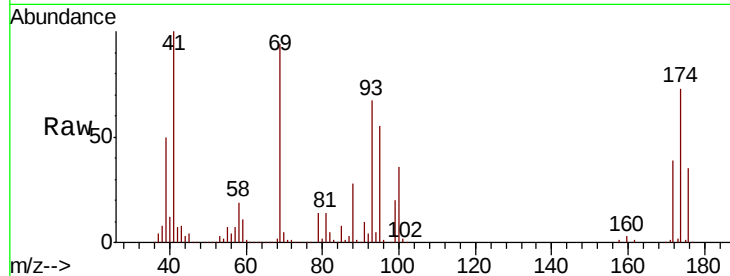
58 66.8 54.6 82.0

Manual Integrations

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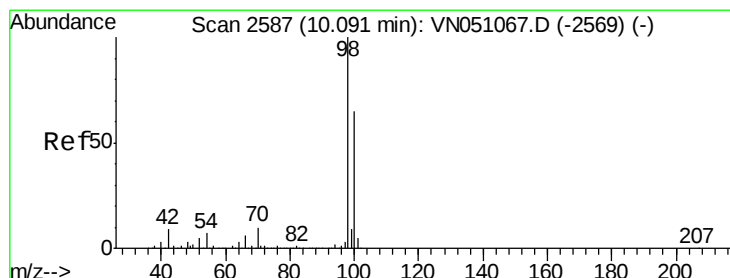
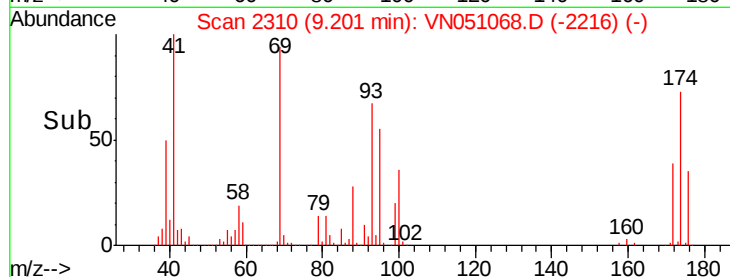
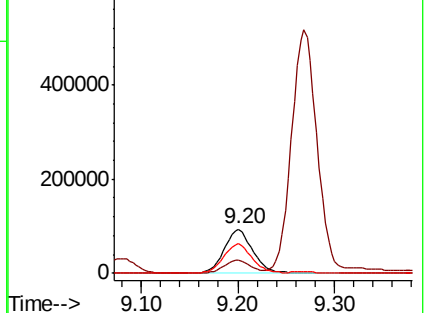
9/11/2018 9:40:24 AM



Abundance Ion 88.00 (87.70 to 88.70): VN051068.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051068.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051068.D (-2295) (-)



#50

Toluene-d8

Concen: 101.45 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051068.D

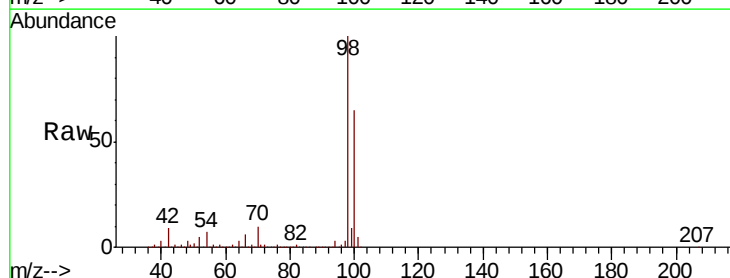
Acq: 10 Sep 2018 9:47

Tgt Ion: 98 Resp: 3072216

Ion Ratio Lower Upper

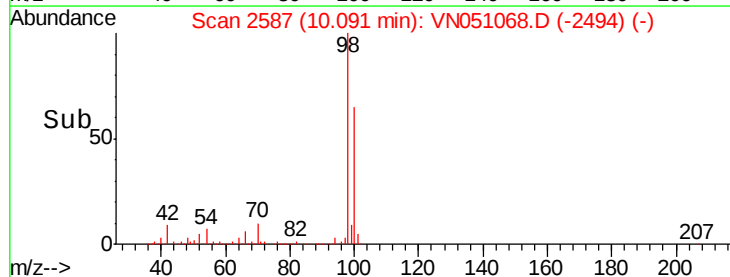
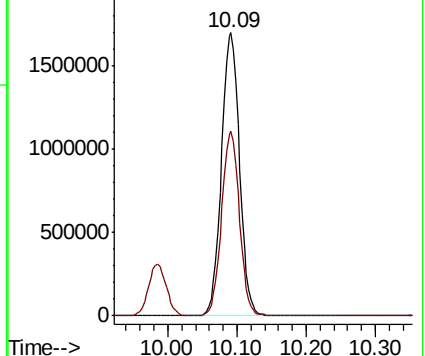
98 100

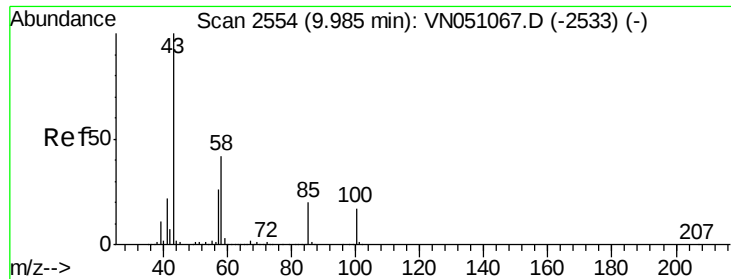
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051068.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN051068.D (-2569) (-)





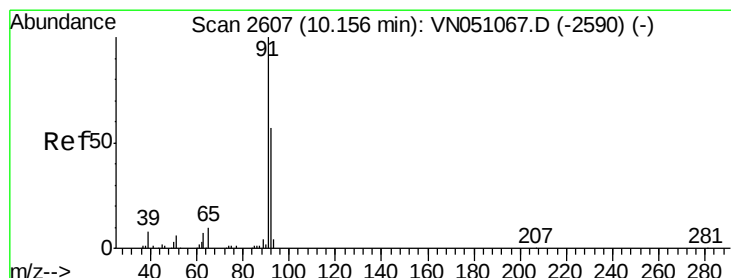
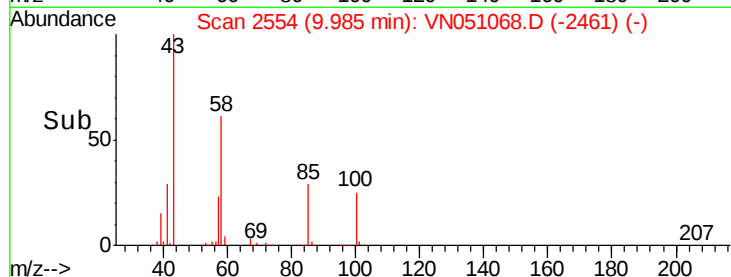
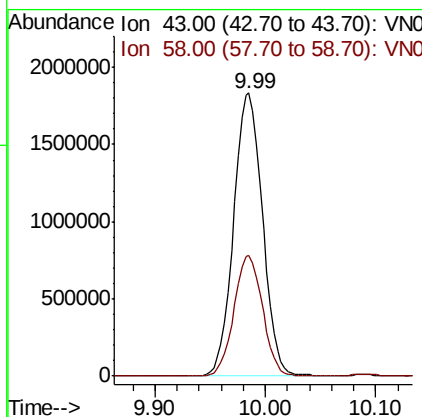
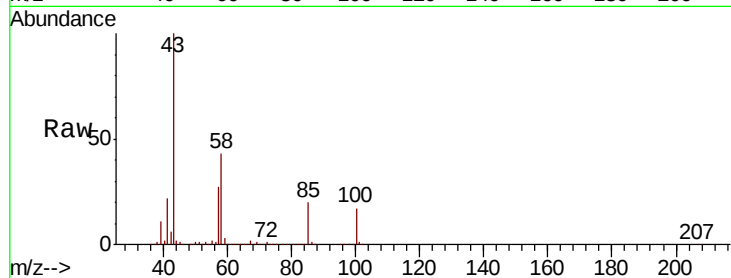
#51
4-Methyl-2-Pentanone
Concen: 505.52 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3330968
Ion Ratio Lower Upper
43 100
58 42.3 33.5 50.3

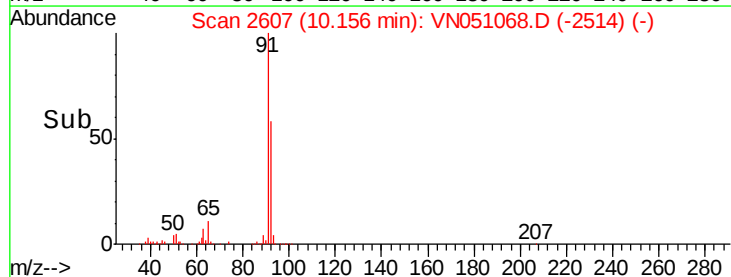
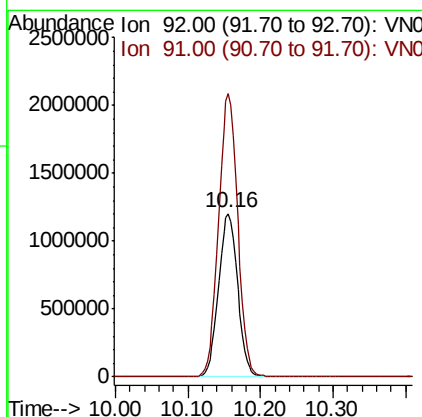
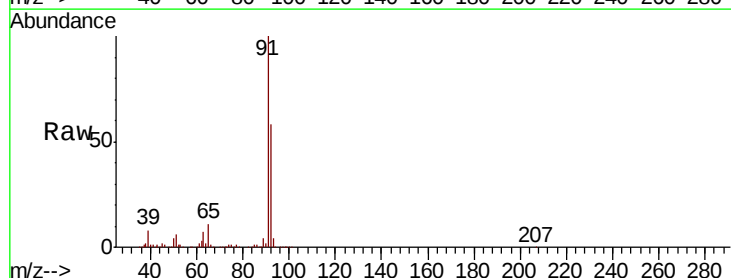
Manual Integrations
APPROVED

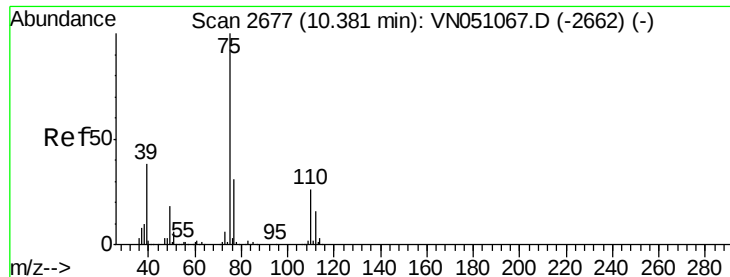
MMDadoda
9/11/2018 9:40:24 AM



#52
Toluene
Concen: 102.49 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion: 92 Resp: 2195760
Ion Ratio Lower Upper
92 100
91 173.5 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 106.80 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1203925

Ion Ratio Lower Upper

75 100

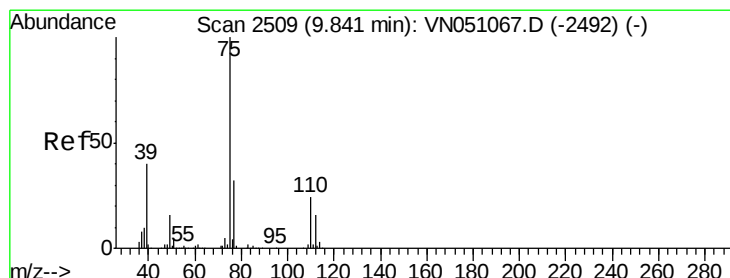
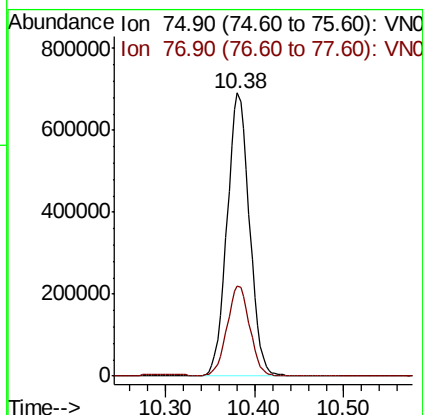
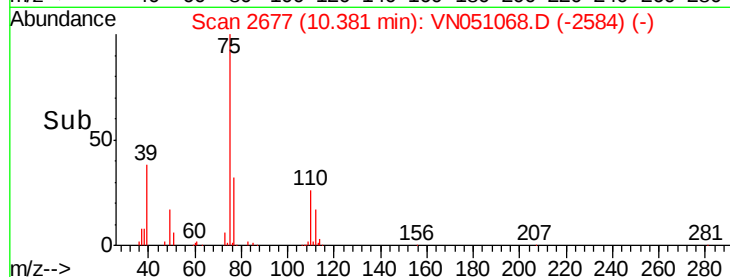
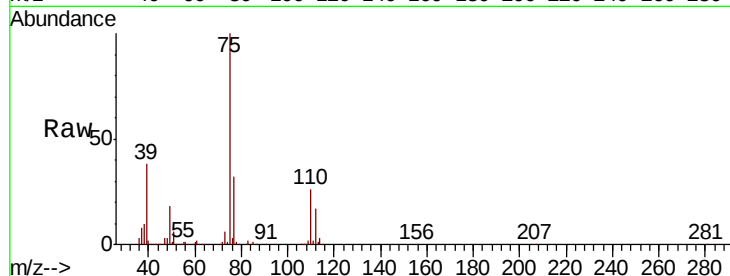
77 31.8 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 105.01 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

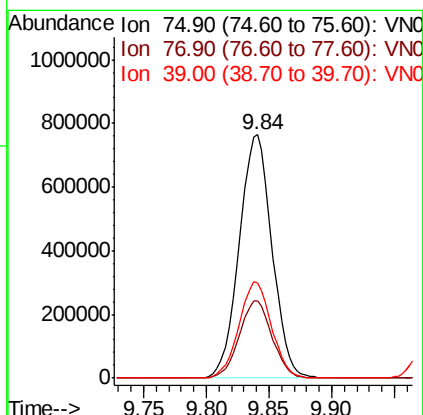
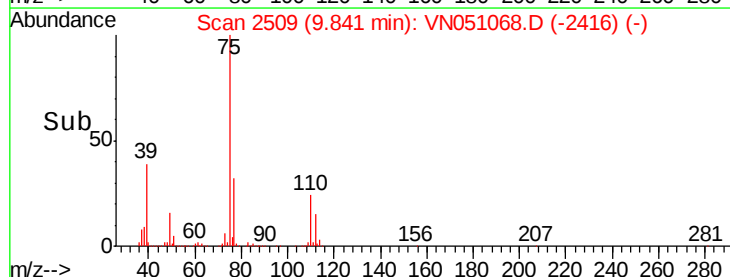
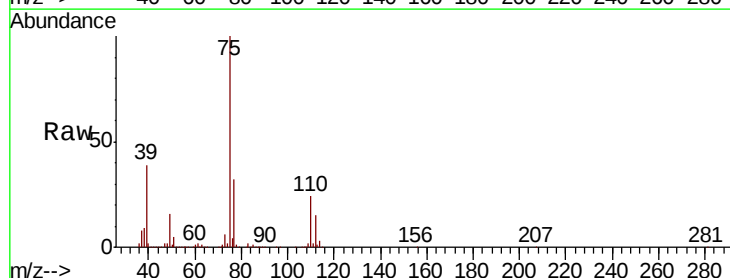
Tgt Ion: 75 Resp: 1387876

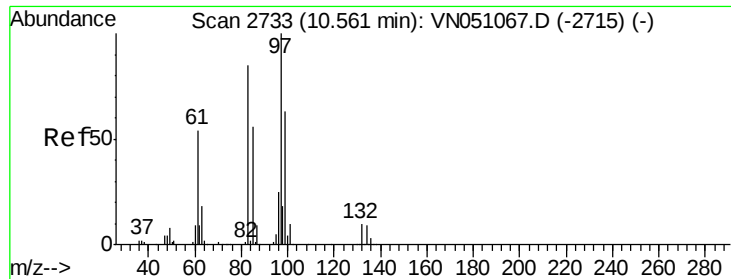
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 39.2 31.9 47.9





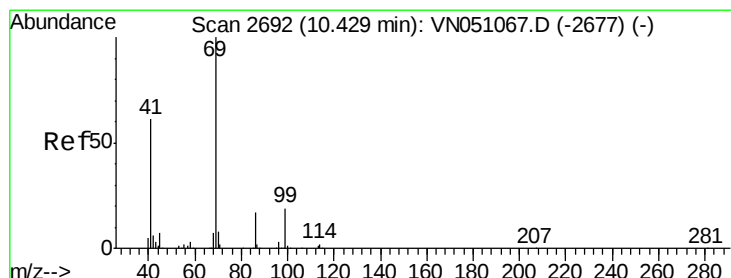
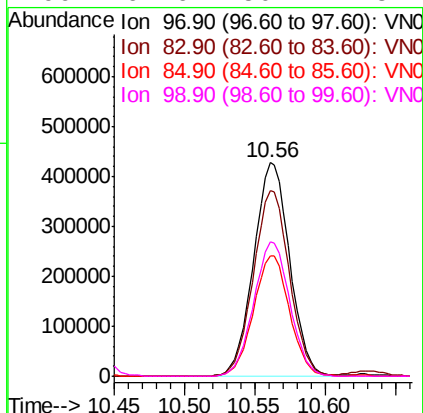
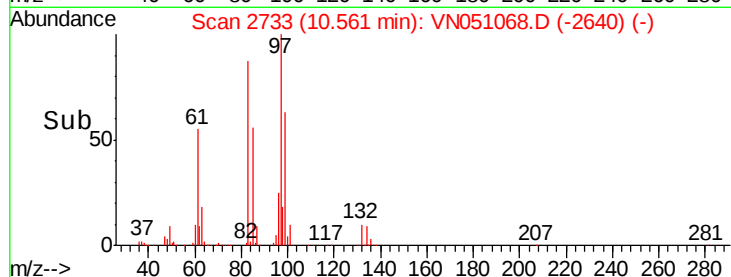
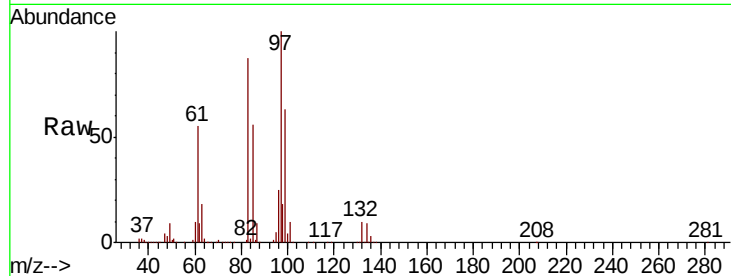
#55
 1,1,2-Trichloroethane
 Concen: 98.21 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	764345
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.2
85	56.5	44.8	67.2
99	62.6	50.2	75.4

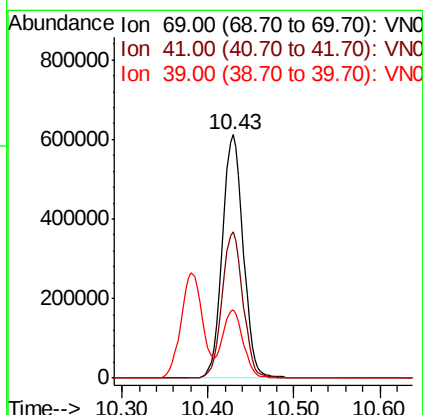
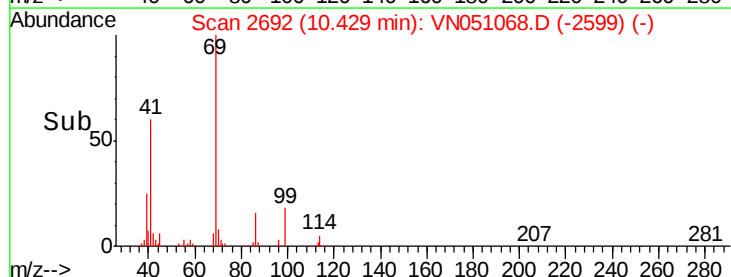
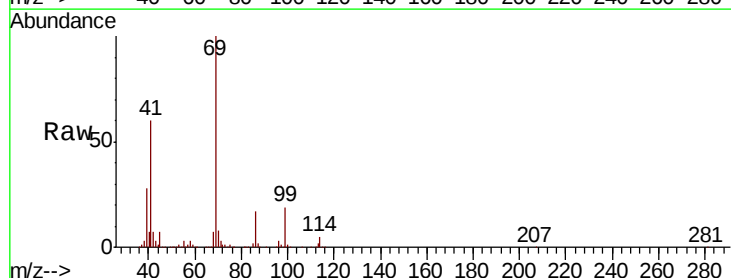
Manual Integrations
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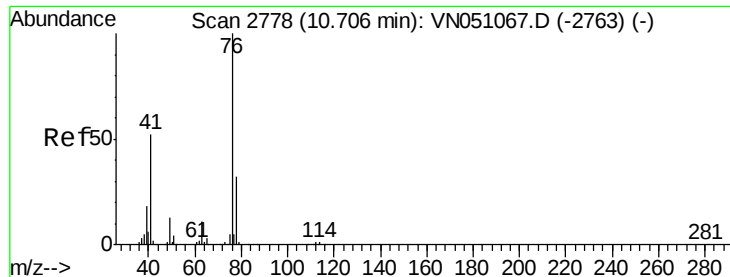
MMDadoda
 9/11/2018 9:40:24 AM



#56
 Ethyl methacrylate
 Concen: 110.91 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion:	69	Resp:	1033059
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.8	71.8
39	27.5	23.0	34.4





#57

1,3-Dichloropropane

Concen: 100.76 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1300052

Ion Ratio Lower Upper

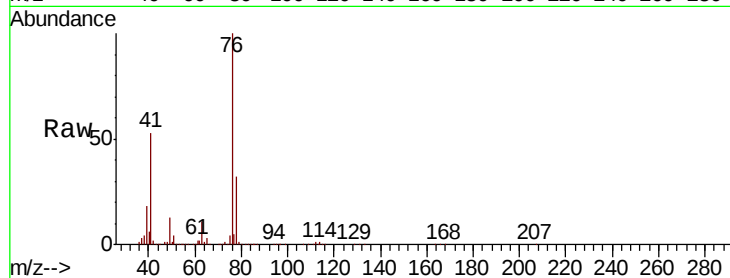
76 100

78 32.3 26.1 39.1

Manual Integrations
APPROVED

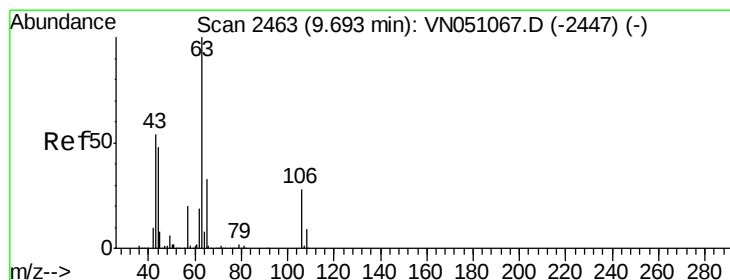
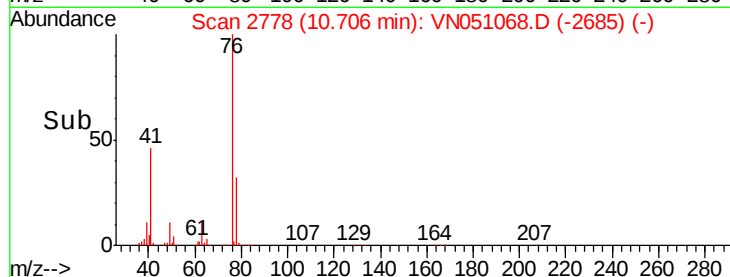
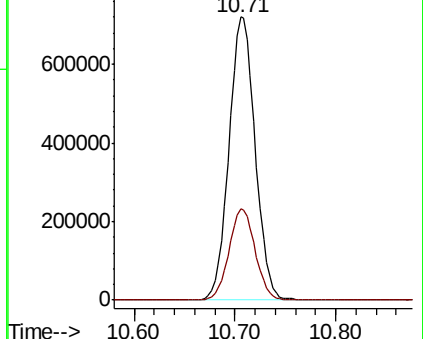
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN051067.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051068.D (-2685) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 567.60 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051068.D

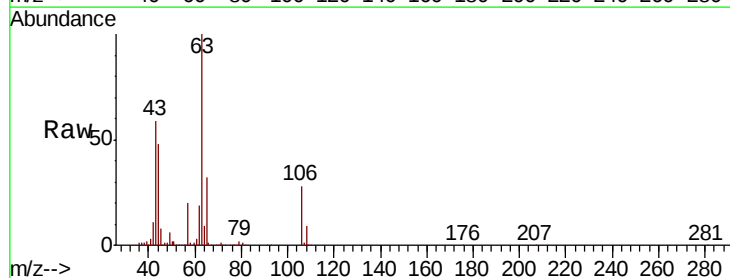
Acq: 10 Sep 2018 9:47

Tgt Ion: 63 Resp: 2160776

Ion Ratio Lower Upper

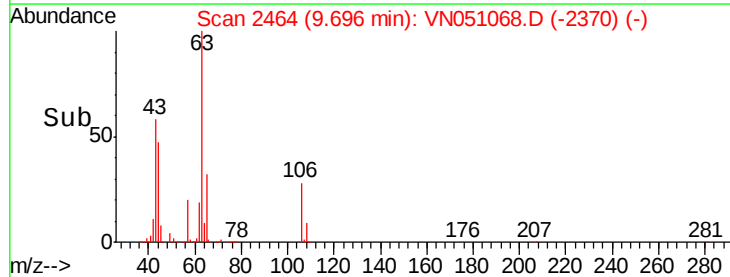
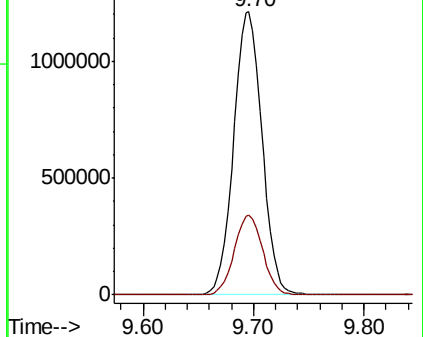
63 100

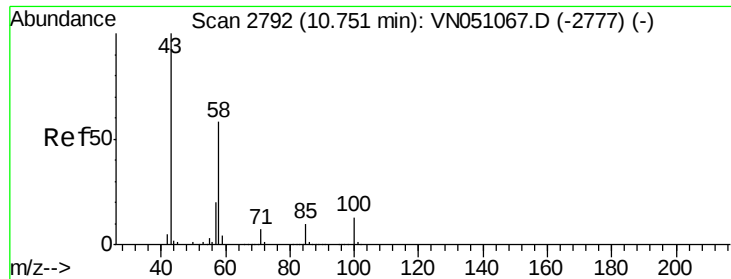
106 28.2 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051068.D (-2370) (-)





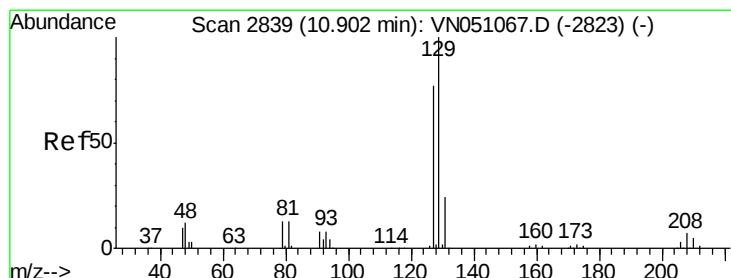
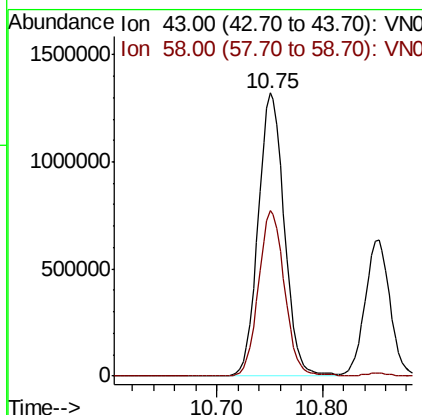
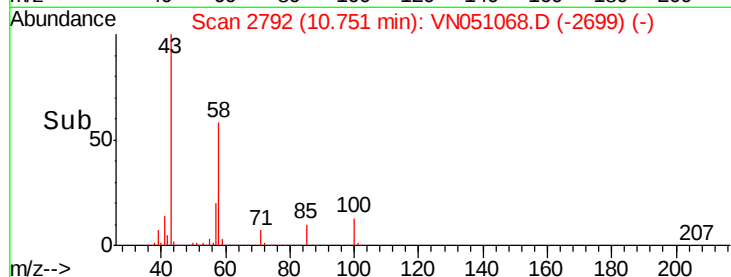
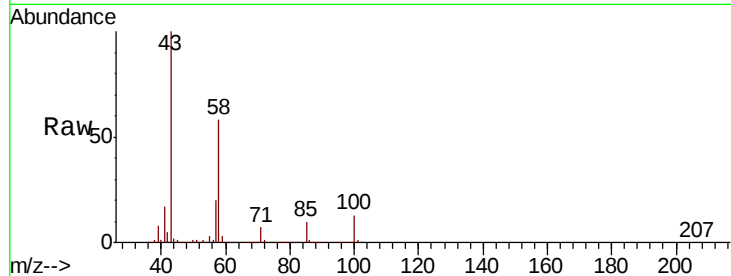
#59
2-Hexanone
Concen: 510.09 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 2279428
Ion Ratio Lower Upper
43 100
58 58.5 29.3 88.0

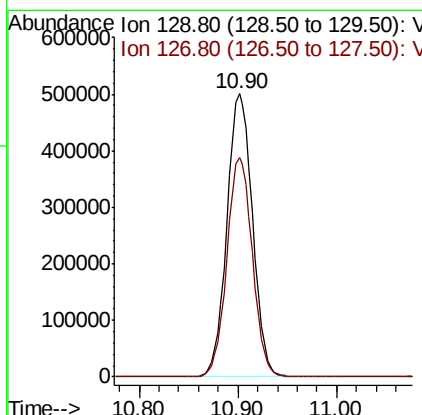
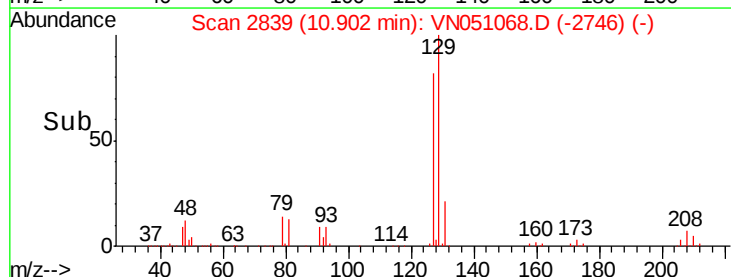
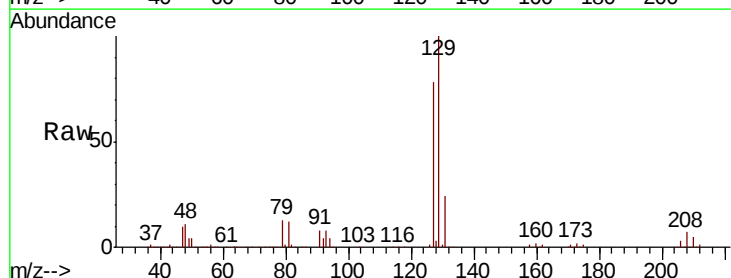
Manual Integrations
APPROVED

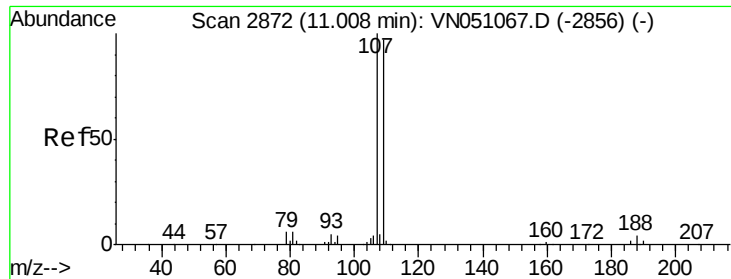
MMDadoda
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#60
Dibromochloromethane
Concen: 103.09 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion: 129 Resp: 904286
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





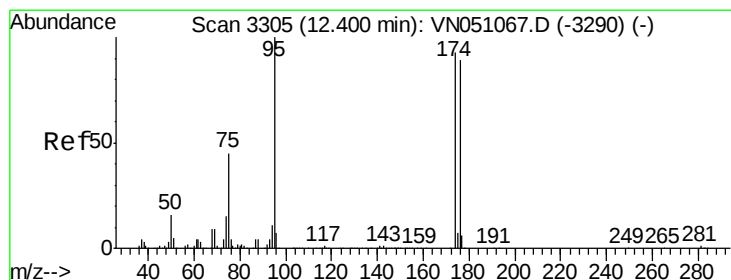
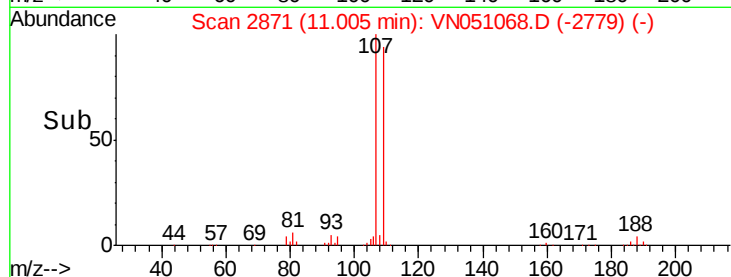
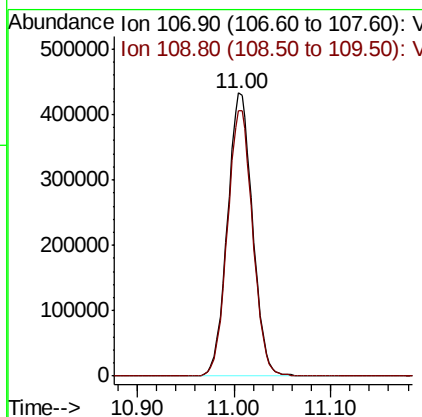
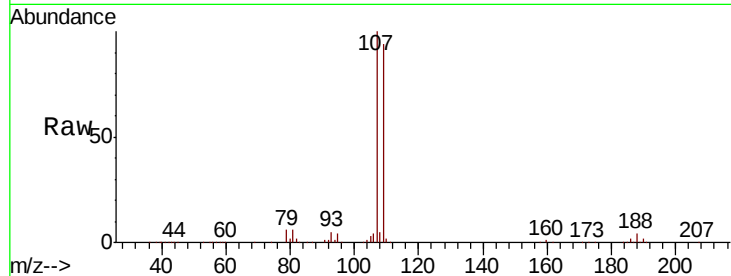
#61
 1,2-Dibromoethane
 Concen: 102.48 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.0	114.0

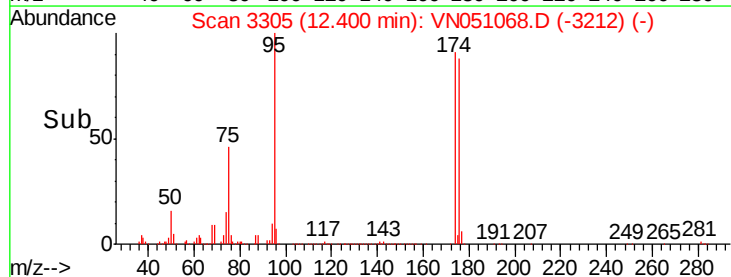
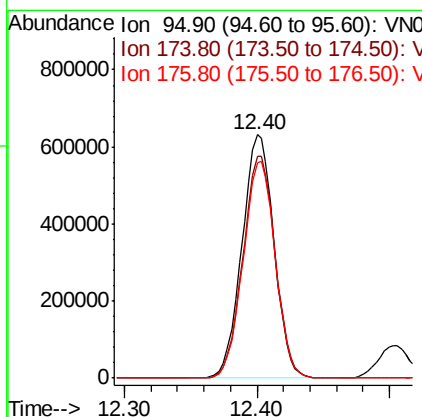
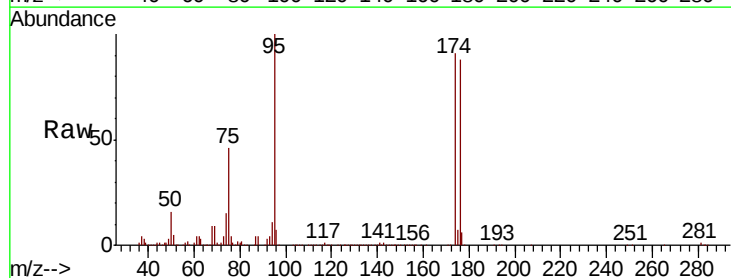
Manual Integrations
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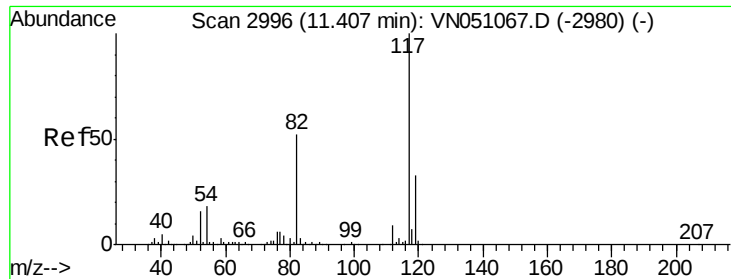
MMDadoda
 9/11/2018 9:40:24 AM



#62
 4-Bromofluorobenzene
 Concen: 105.50 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	184.8
176	89.4	0.0	178.6





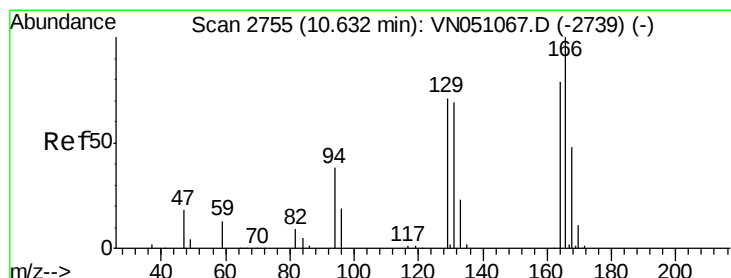
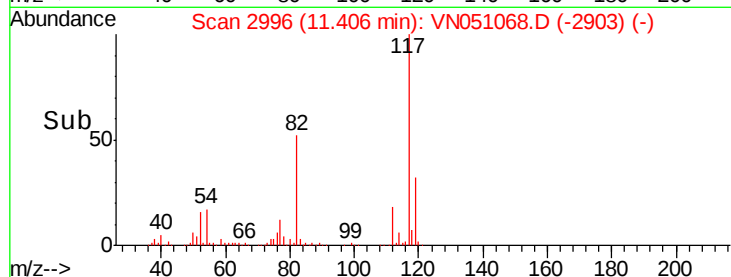
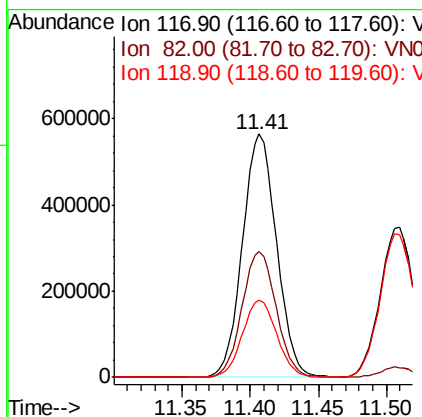
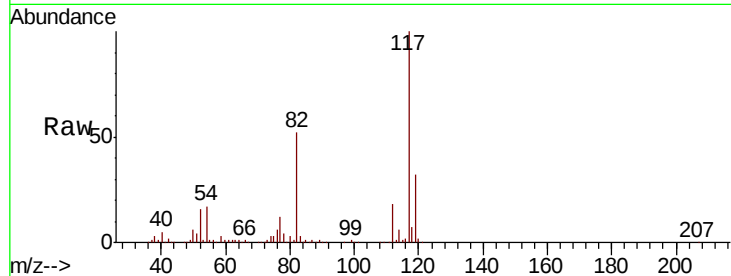
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.8	62.6
119	32.0	26.2	39.2

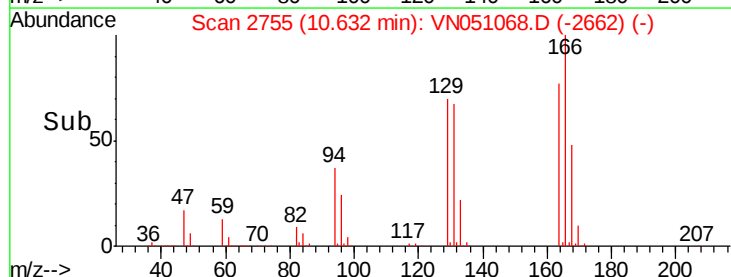
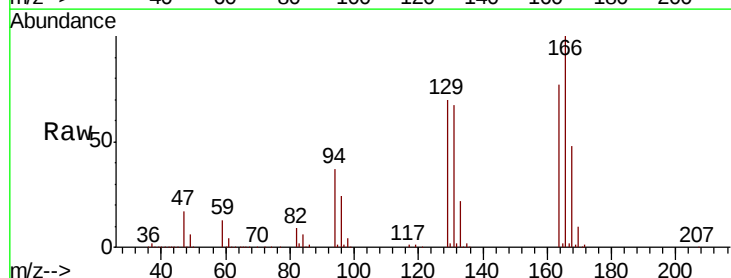
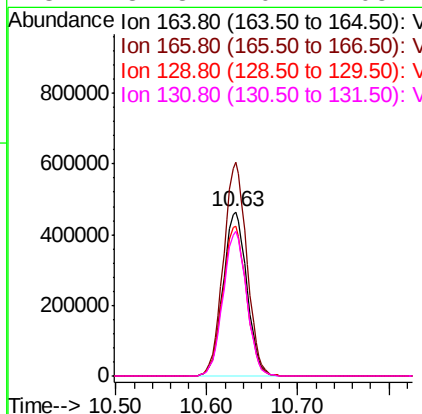
Manual Integrations
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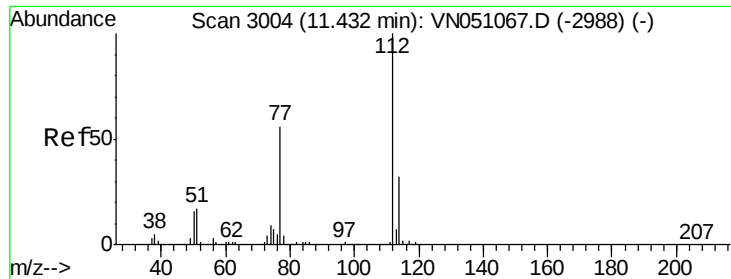
MMDadoda
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#64
Tetrachloroethene
Concen: 93.81 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.3	151.9
129	90.9	72.2	108.2
131	87.8	70.2	105.2





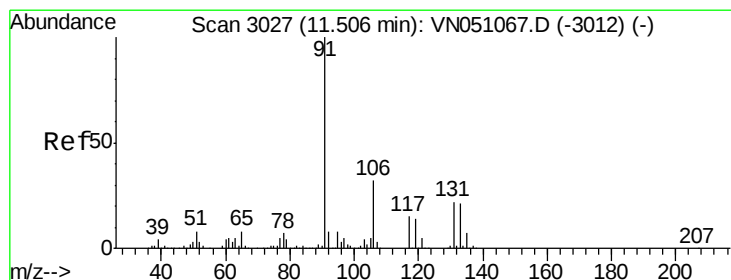
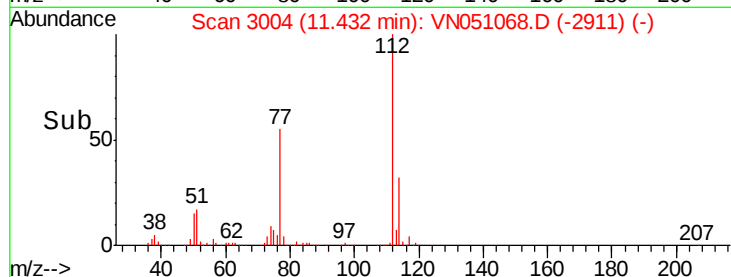
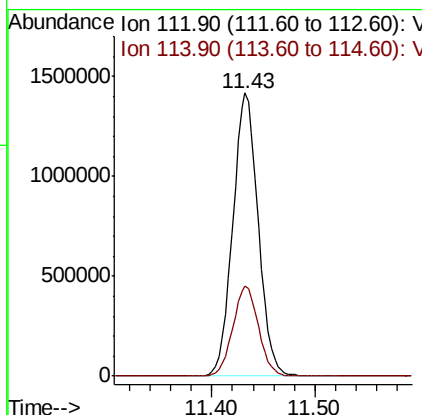
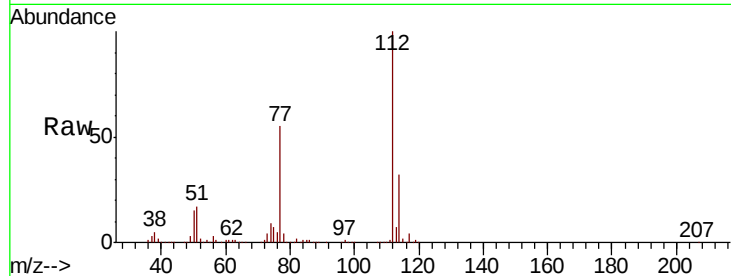
#65
Chlorobenzene
Concen: 98.34 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 2427656
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

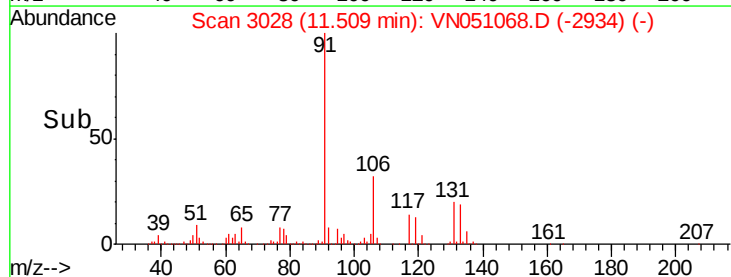
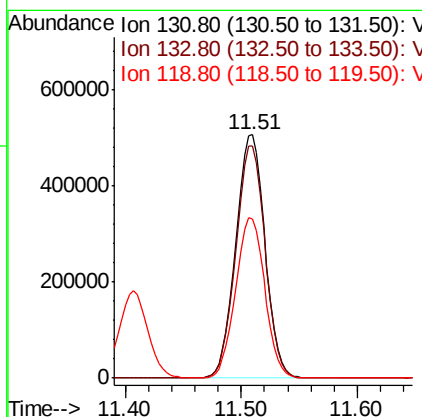
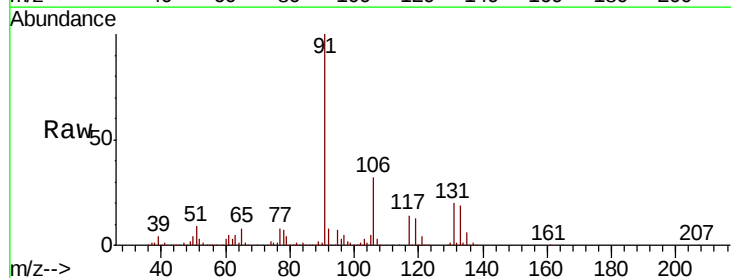
Manual Integrations
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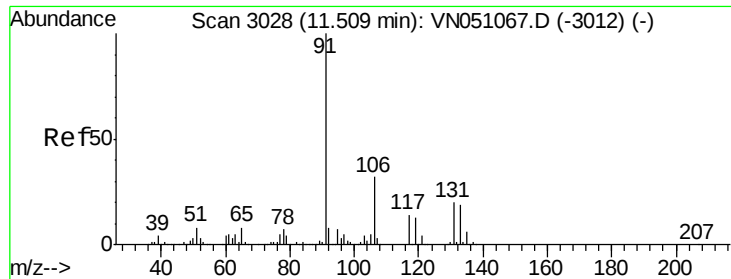
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 99.03 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion:131 Resp: 880099
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.6
119 66.1 33.2 99.6





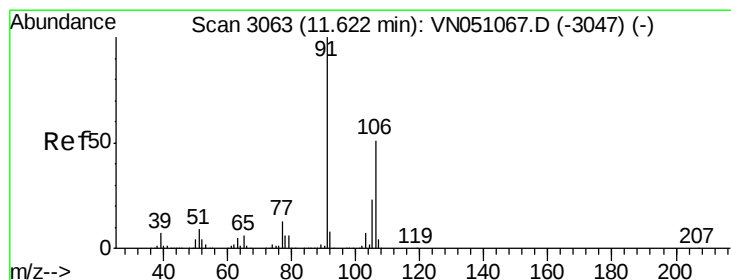
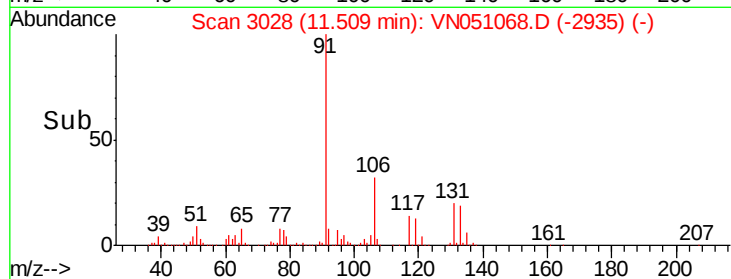
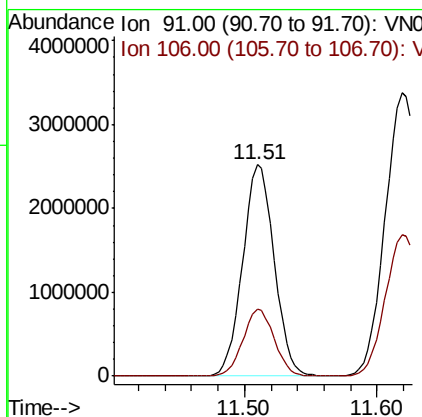
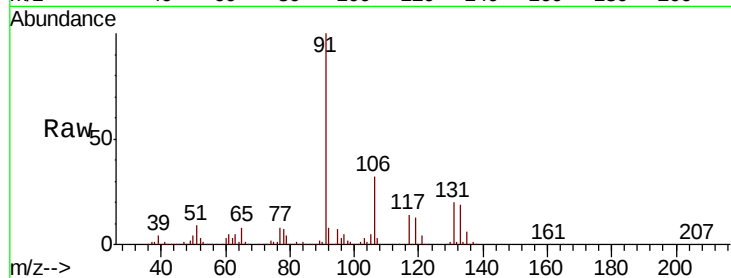
#67
Ethyl Benzene
Concen: 104.25 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4167495
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

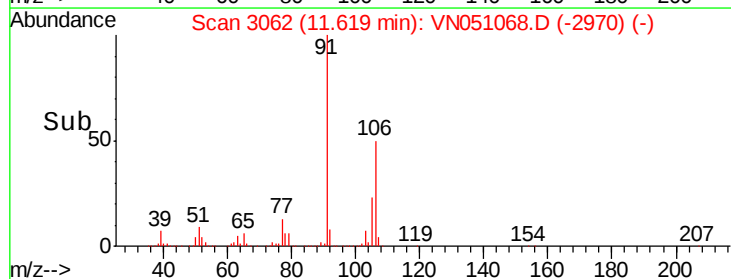
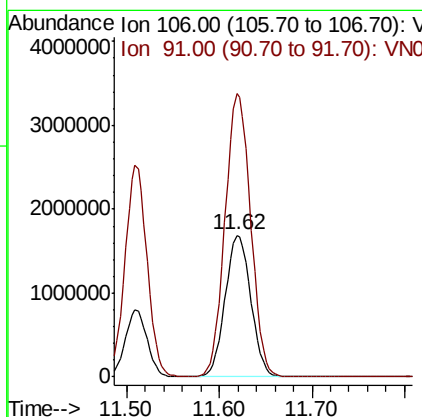
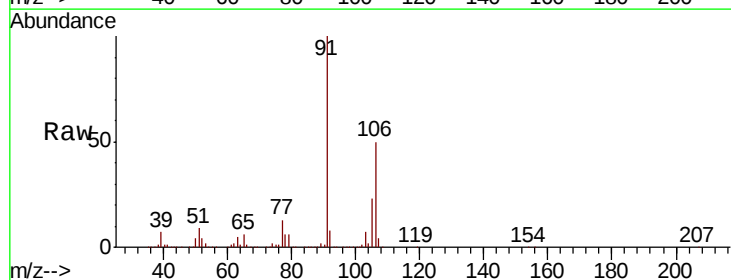
Manual Integrations
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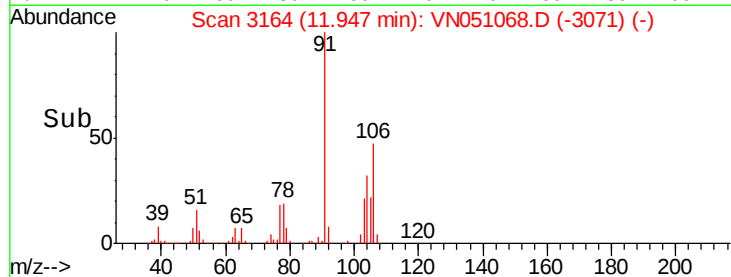
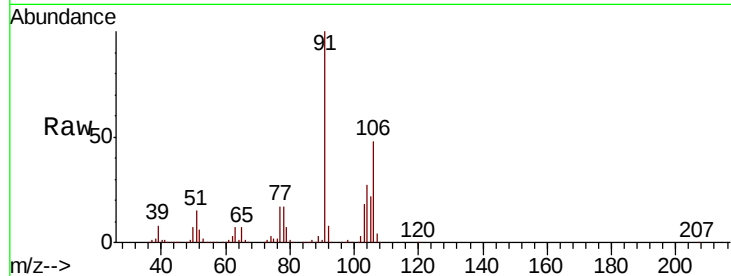
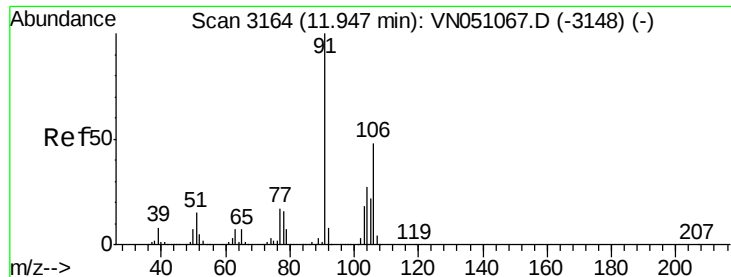
MMDadoda
9/11/2018 9:40:24 AM



#68
m/p-Xylenes
Concen: 210.01 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion: 106 Resp: 3225750
Ion Ratio Lower Upper
106 100
91 200.3 159.8 239.6





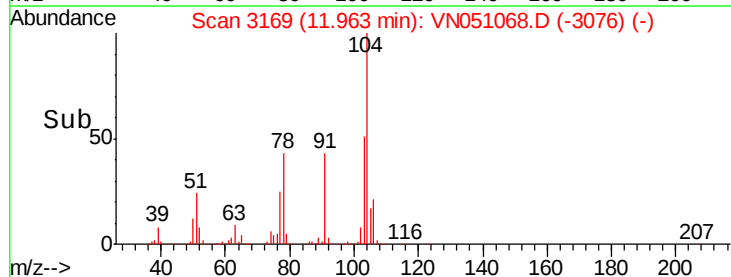
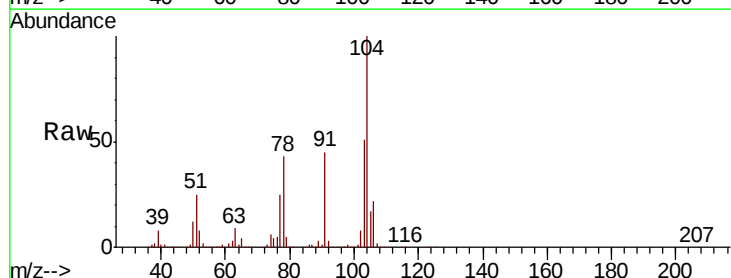
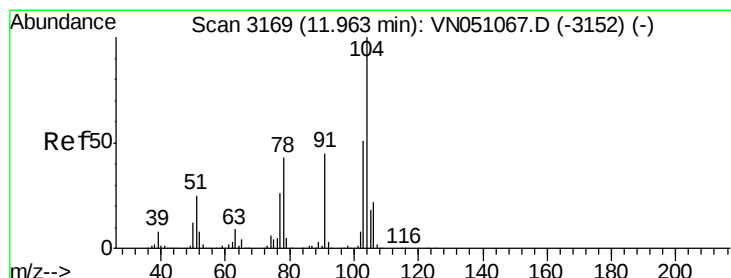
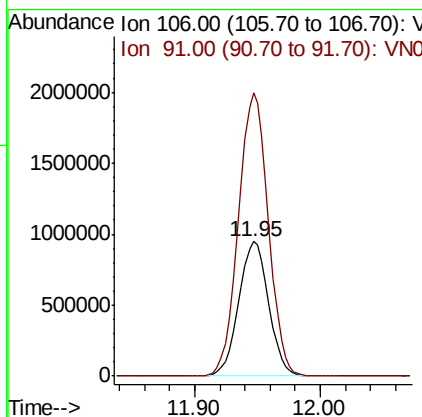
#69
o-Xylene
Concen: 105.35 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tot Ion:106 Resp: 1567006
Ion Ratio Lower Upper
106 100
91 210.4 105.1 315.1

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

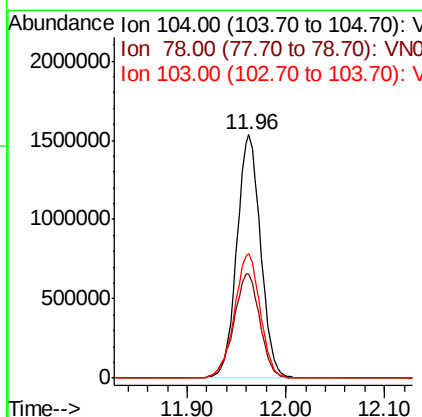
Manual Integrations
APPROVED

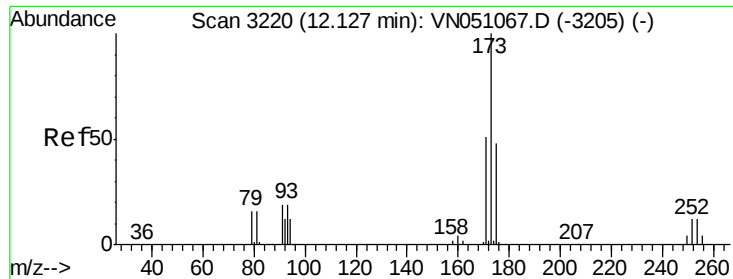
MMDadoda
9/11/2018 9:40:24 AM



#70
Styrene
Concen: 110.87 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion:104 Resp: 2558073
Ion Ratio Lower Upper
104 100
78 47.4 37.7 56.5
103 55.6 44.6 67.0





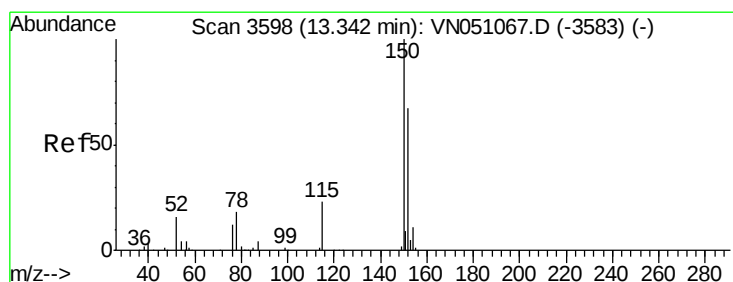
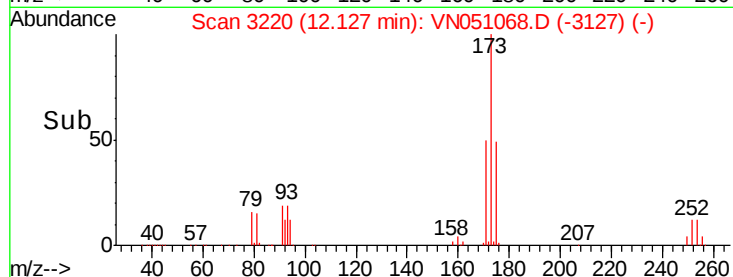
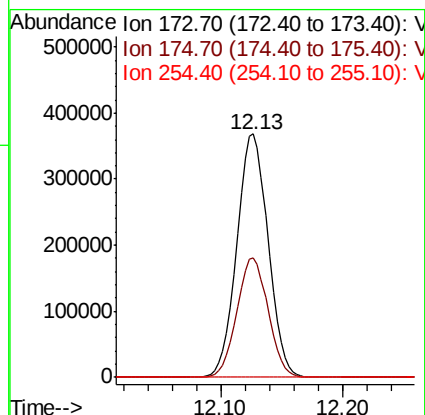
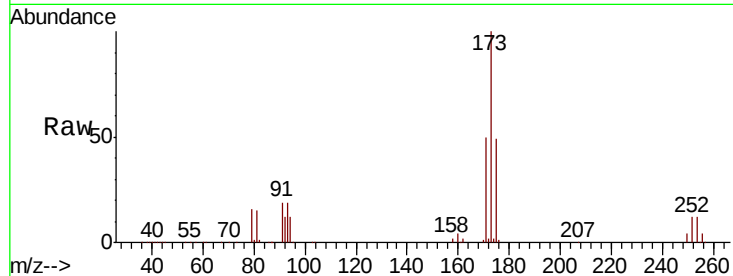
#71
Bromoform
Concen: 104.05 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.2	0.0	0.0

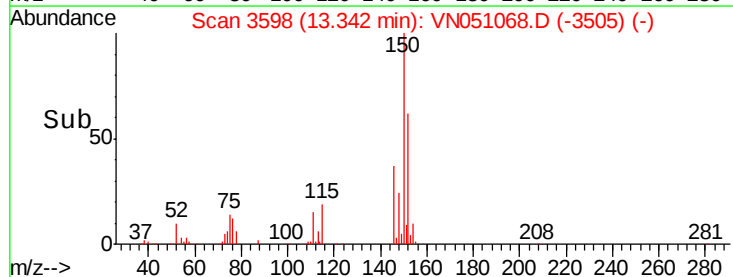
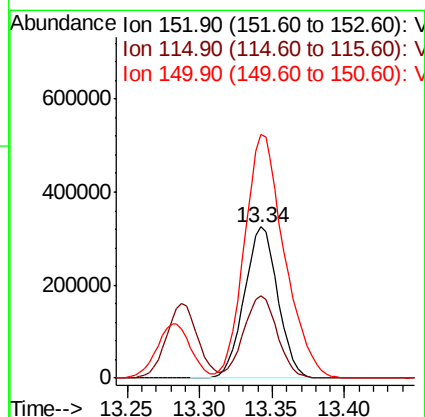
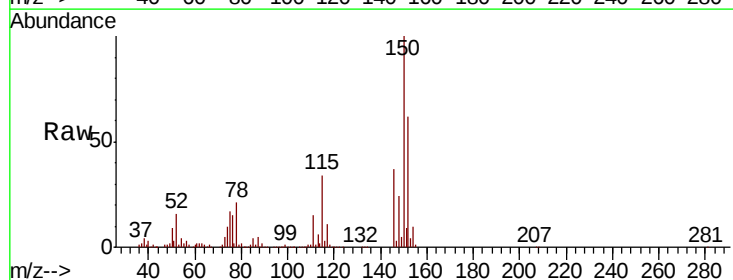
Manual Integrations
APPROVED

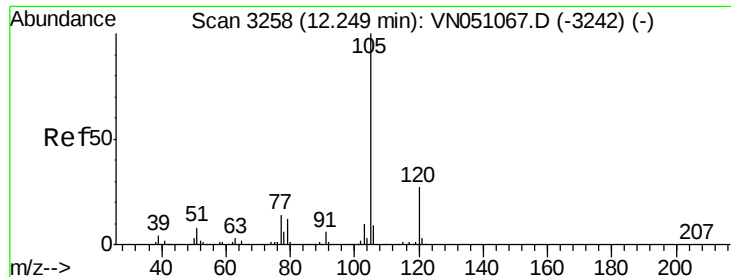
MMDadoda
9/11/2018 9:40:24 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.2	84.7
150	191.6	0.0	349.0





#73

Isopropylbenzene

Concen: 93.71 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 4096858

Ion Ratio Lower Upper

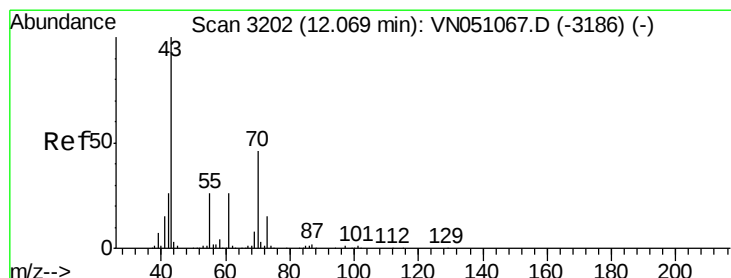
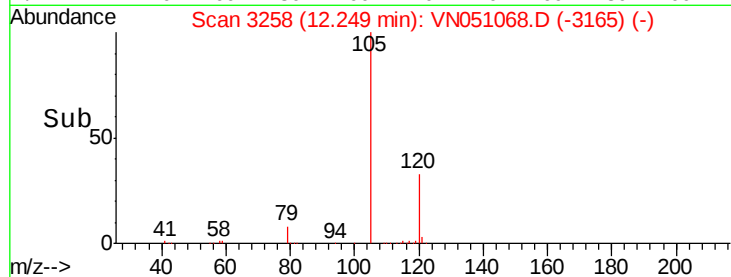
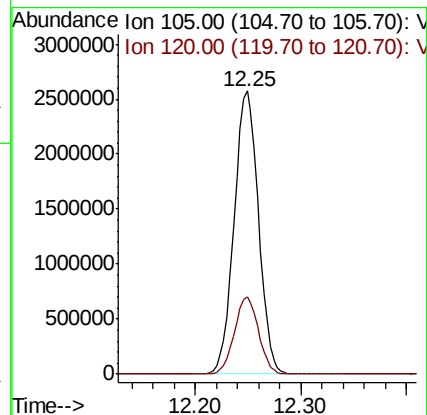
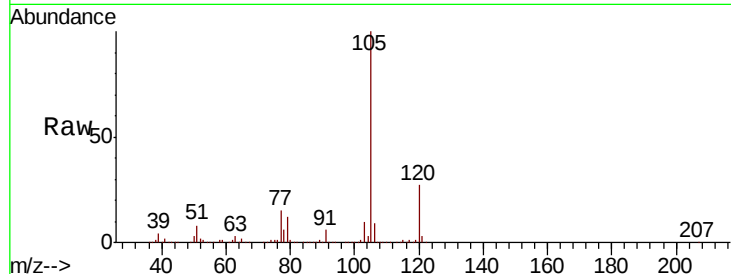
105 100

120 27.2 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:40:24 AM



#74

N-ethyl acetate

Concen: 97.76 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Tgt Ion: 43 Resp: 1075595

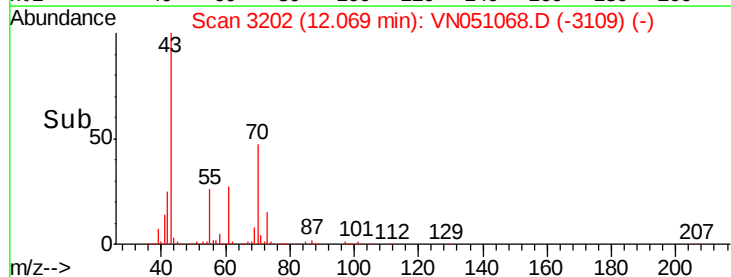
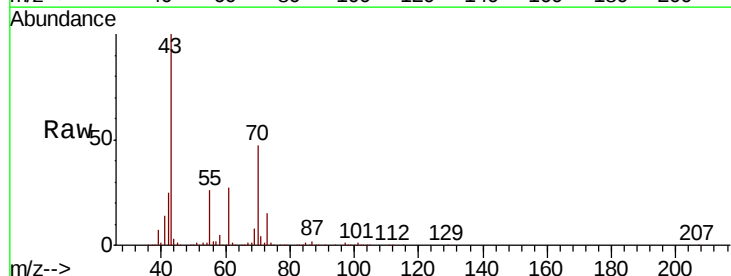
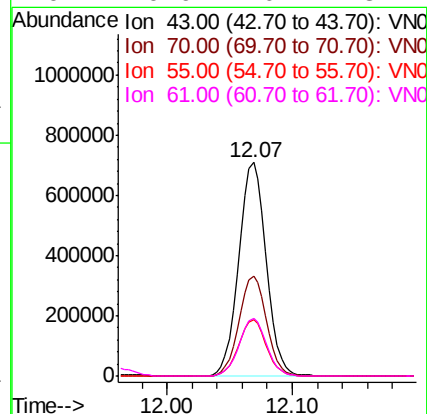
Ion Ratio Lower Upper

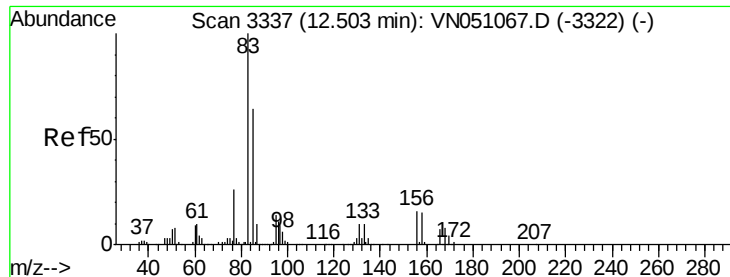
43 100

70 46.9 37.0 55.4

55 26.5 21.3 31.9

61 26.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 82.88 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 964822

Ion Ratio Lower Upper

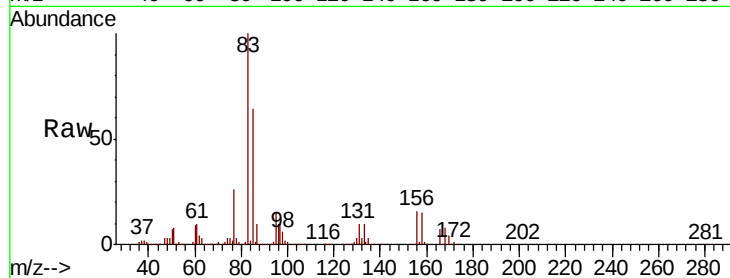
83 100

131 10.7 5.3 16.1

85 64.9 32.3 96.8

Manual Integrations
APPROVED

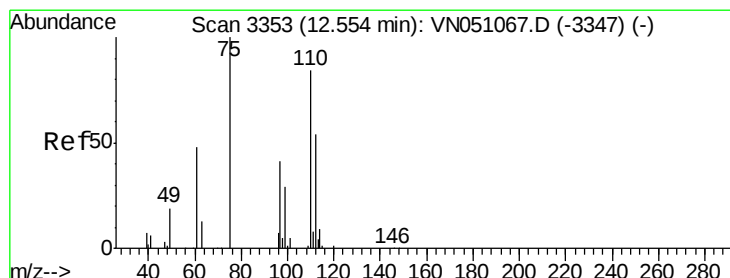
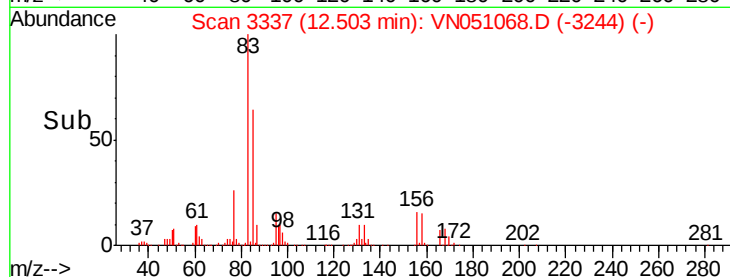
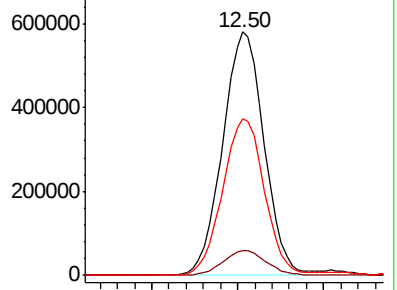
MMDadoda
9/11/2018 9:40:24 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051068.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN051068.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN051068.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 94.27 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051068.D

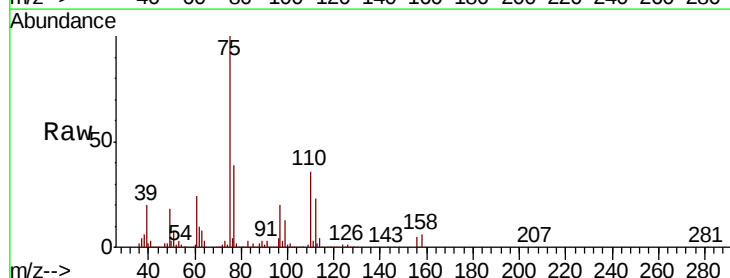
Acq: 10 Sep 2018 9:47

Tgt Ion: 75 Resp: 817298

Ion Ratio Lower Upper

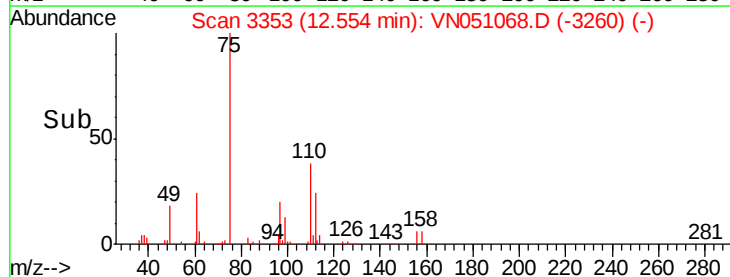
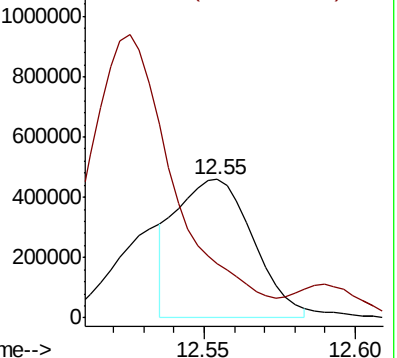
75 100

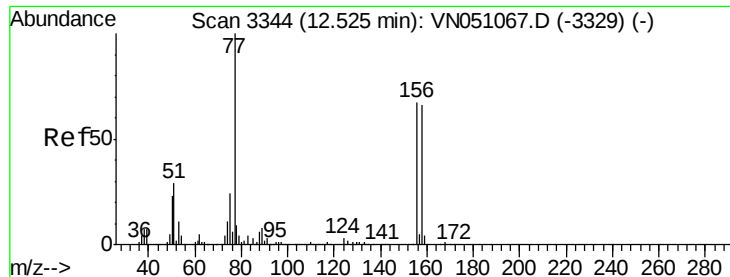
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051068.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051068.D (-3353) (-)





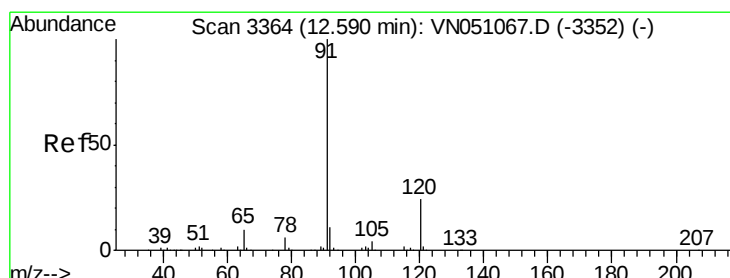
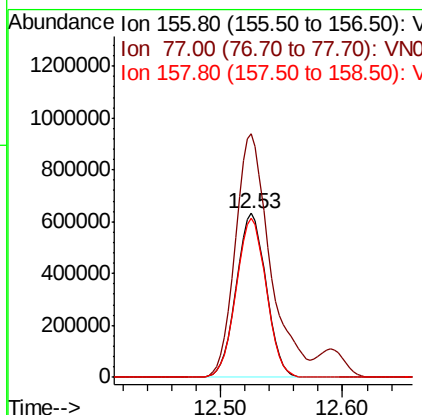
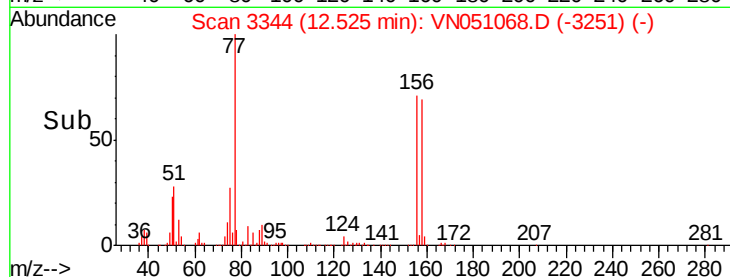
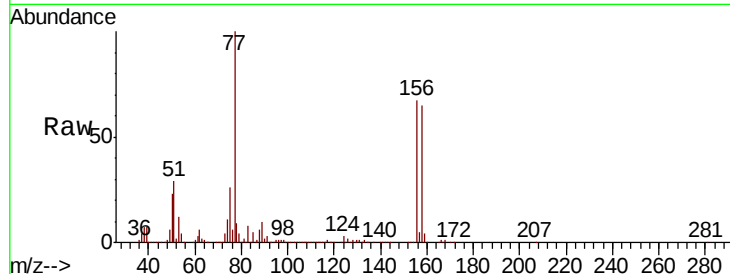
#77
Bromobenzene
Concen: 91.05 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:156 Resp: 1069183
Ion Ratio Lower Upper
156 100
77 173.7 87.5 262.6
158 97.5 49.0 147.2

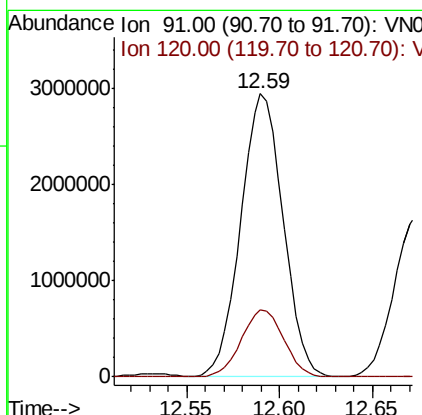
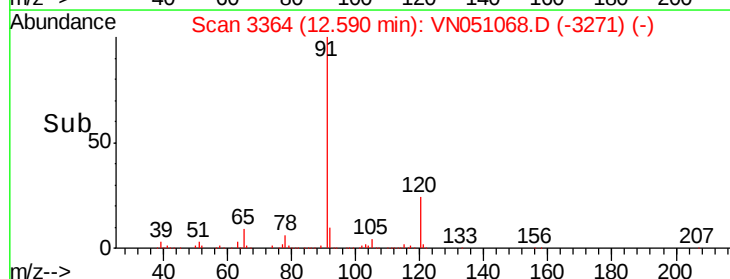
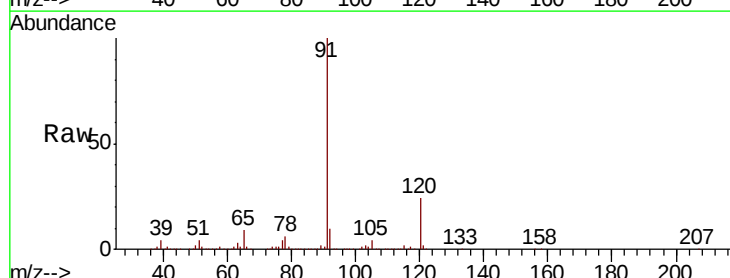
Manual Integrations
APPROVED

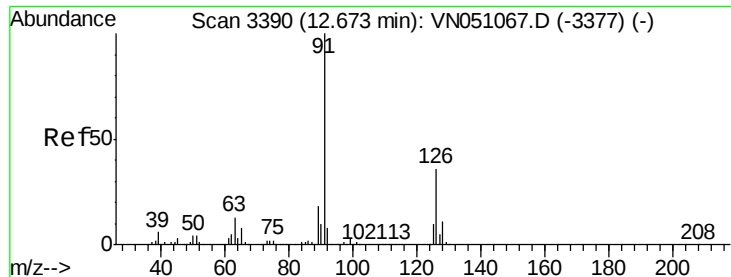
MMDadoda
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#78
n-propylbenzene
Concen: 96.70 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion: 91 Resp: 4647233
Ion Ratio Lower Upper
91 100
120 23.9 12.0 36.0





#79

2-Chlorotoluene

Concen: 91.13 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2737172

Ion Ratio Lower Upper

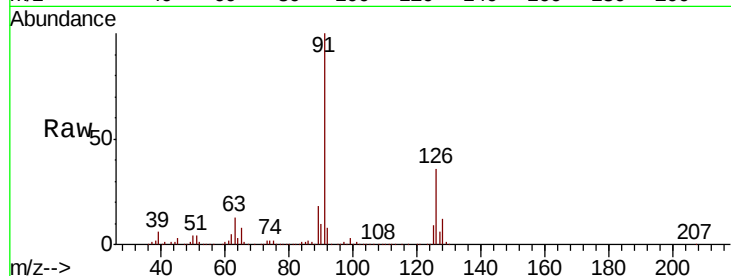
91 100

126 36.1 17.9 53.7

Manual Integrations
APPROVED

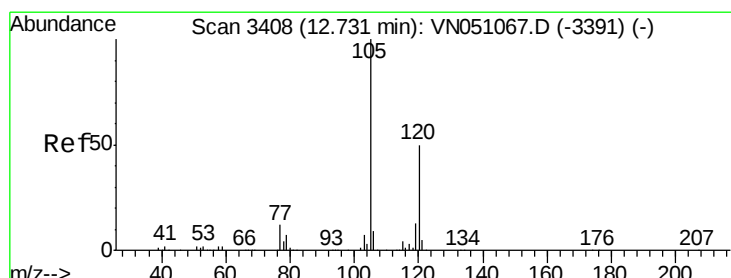
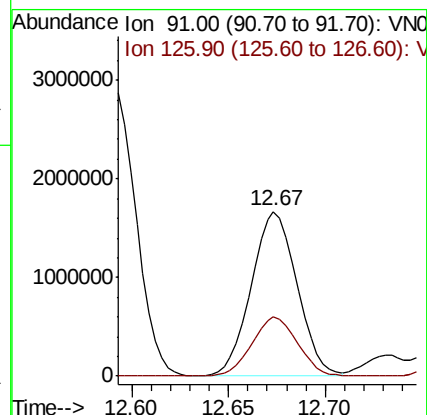
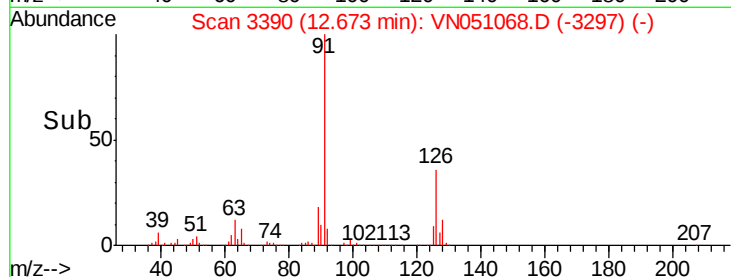
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 95.13 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051068.D

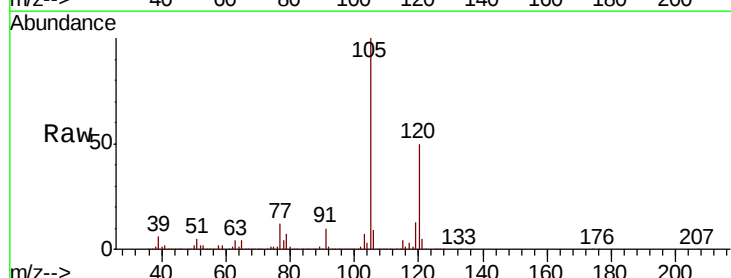
Acq: 10 Sep 2018 9:47

Tgt Ion:105 Resp: 3362491

Ion Ratio Lower Upper

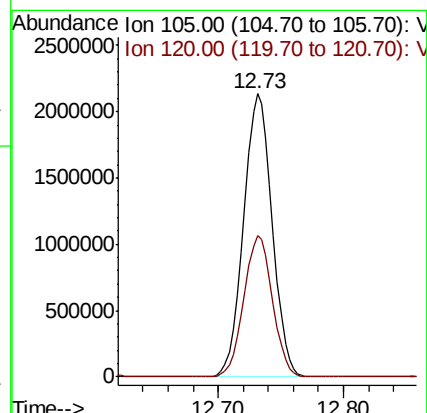
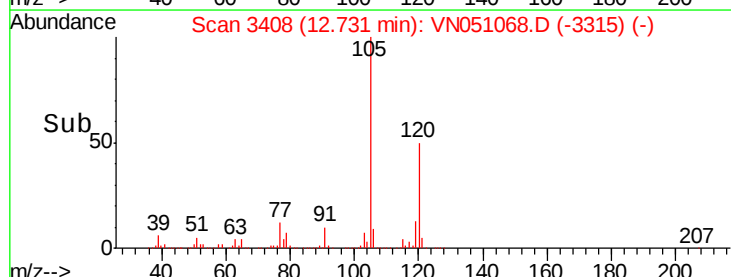
105 100

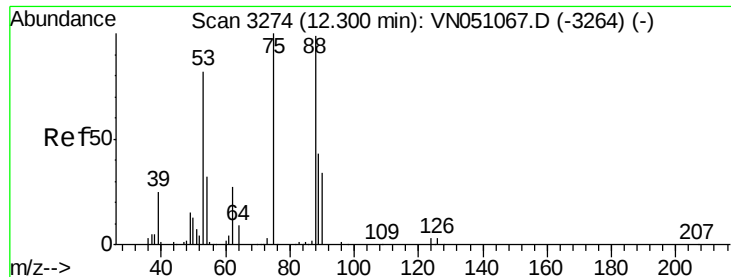
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 101.15 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

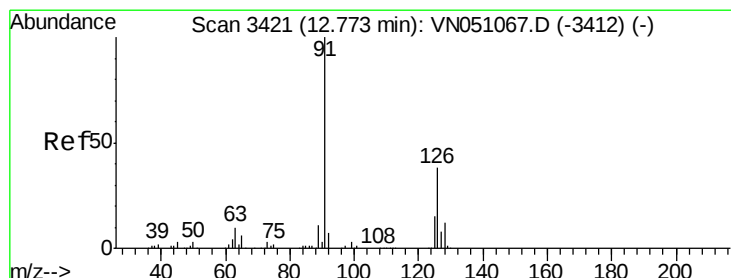
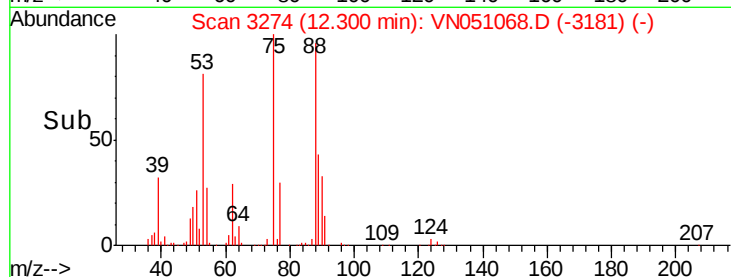
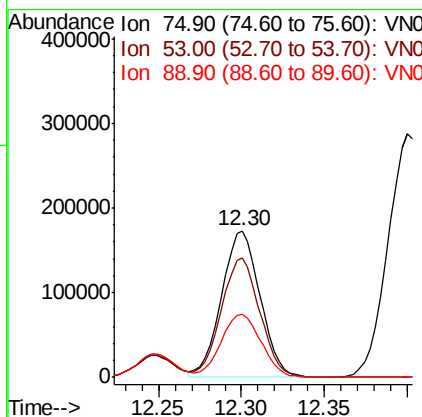
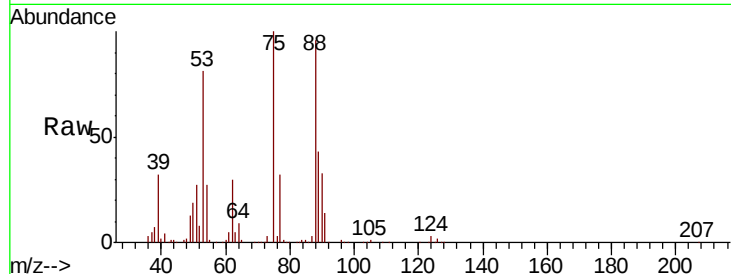
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	277654
Ion Ratio	Lower	Upper	
75	100		
53	82.6	67.8	101.8
89	45.1	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 93.24 ug/l

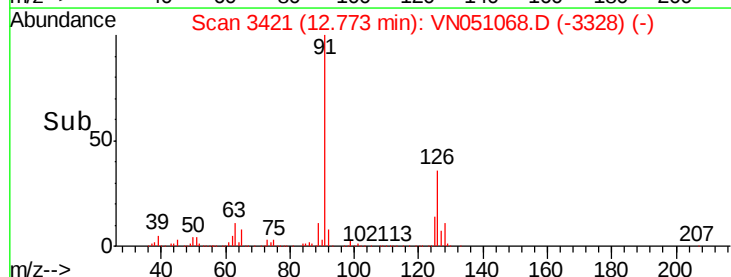
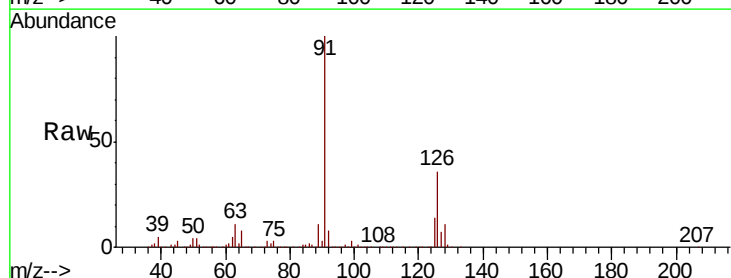
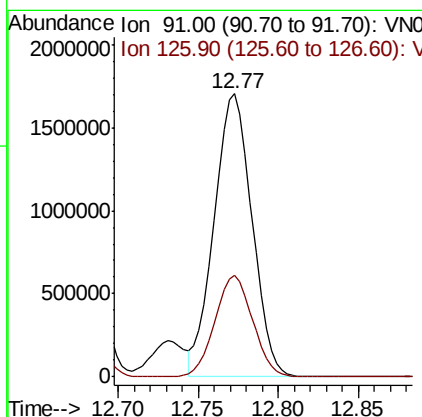
RT: 12.77 min Scan# 3421

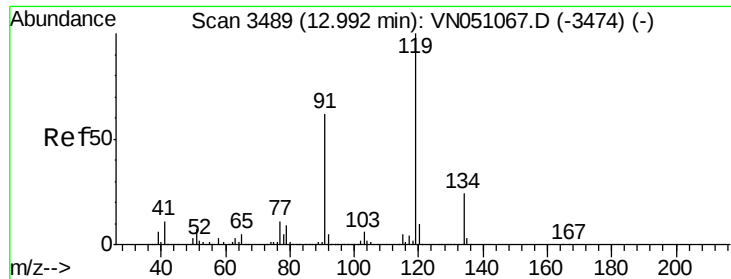
Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Tgt Ion:	91	Resp:	2780173
Ion Ratio	Lower	Upper	
91	100		
126	35.6	17.6	52.8





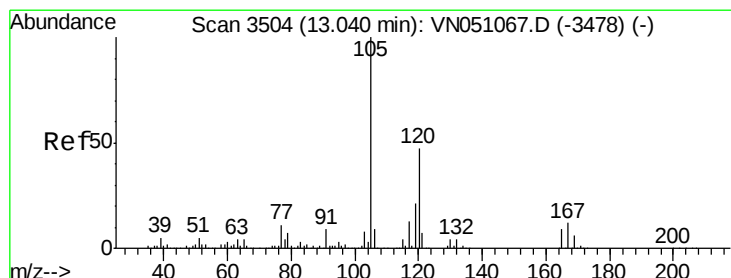
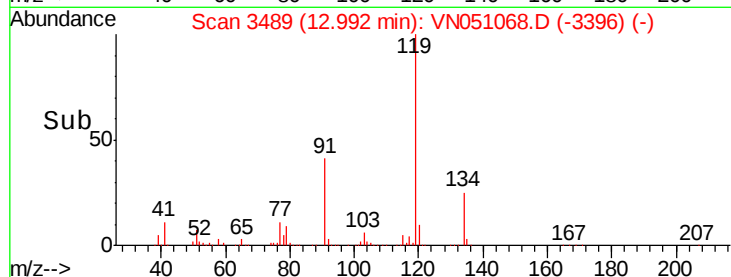
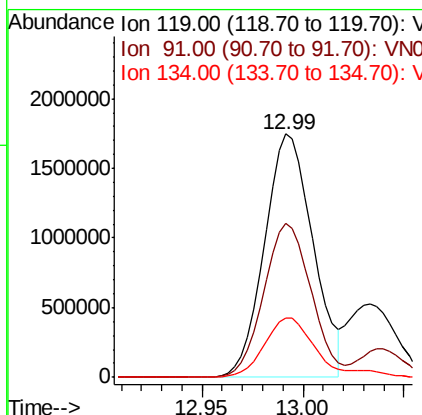
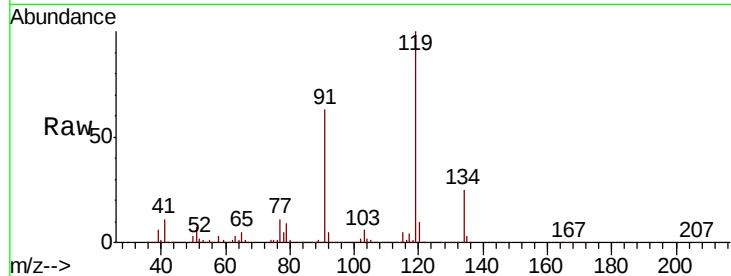
#83
tert-Butylbenzene
Concen: 93.51 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.8	92.3
134	26.6	13.2	39.6

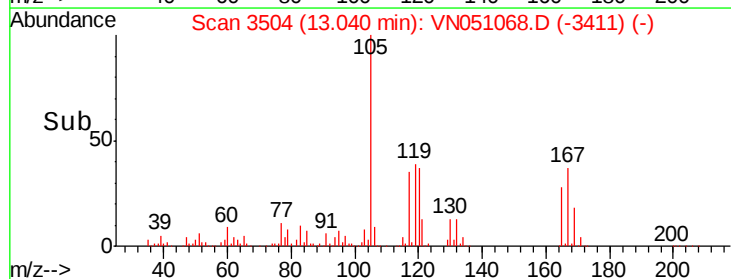
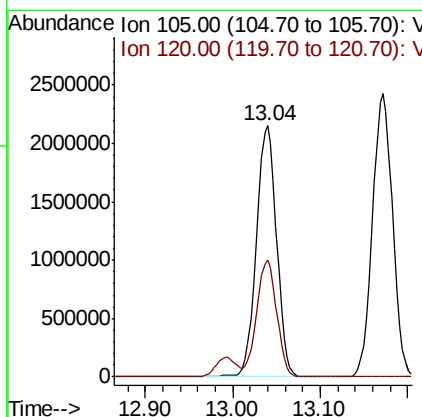
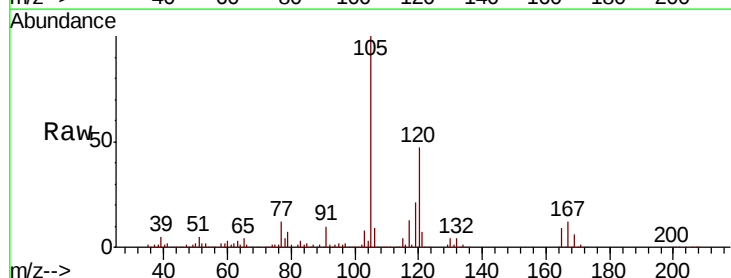
Manual Integrations
APPROVED

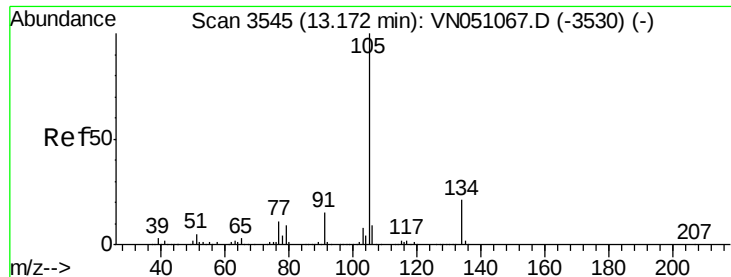
MMDadoda
9/11/2018 9:40:24 AM



#84
1,2,4-Trimethylbenzene
Concen: 98.93 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.8





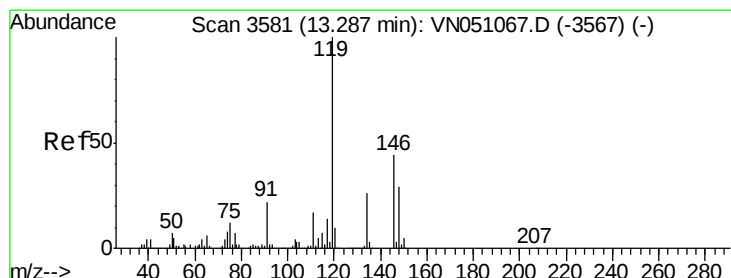
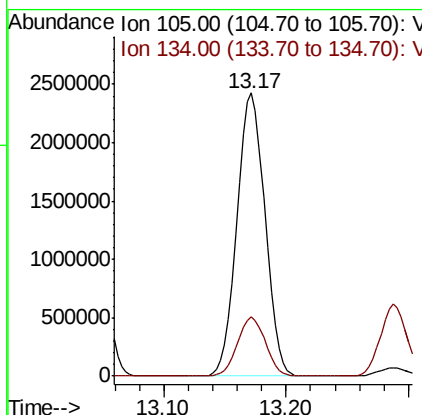
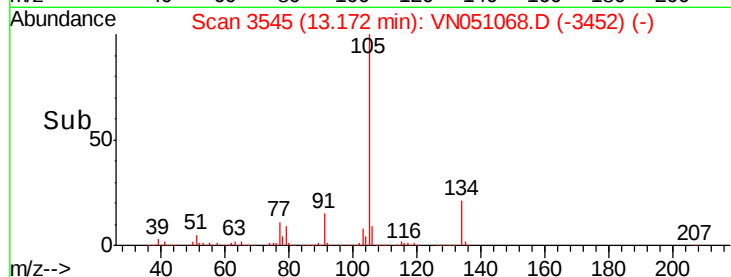
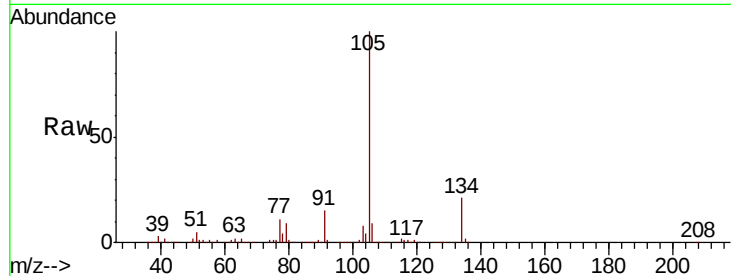
#85
 sec-Butylbenzene
 Concen: 96.16 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 3848495
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4

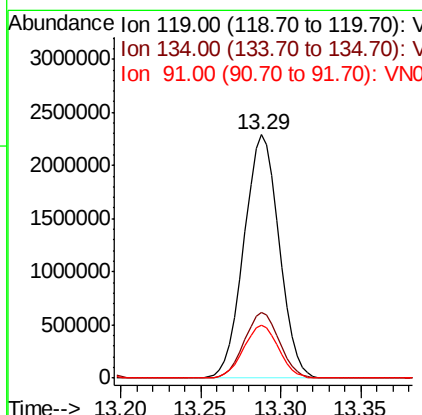
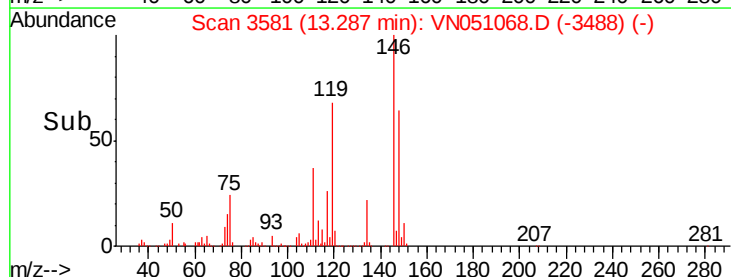
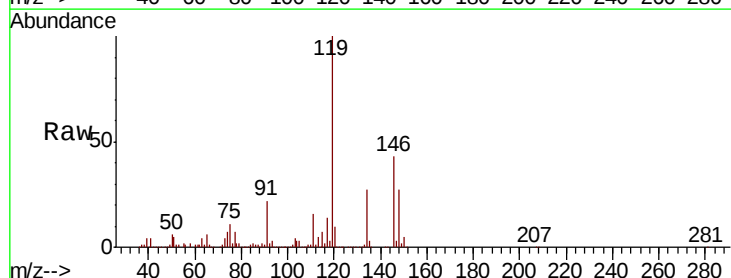
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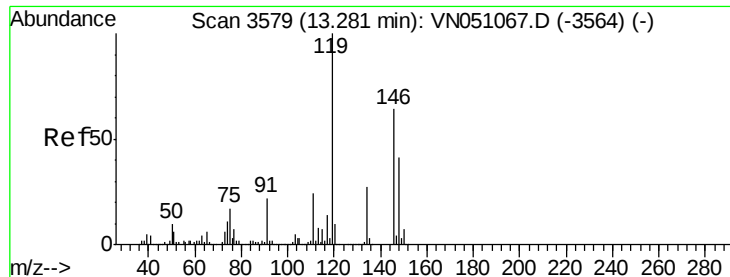
MMDadoda
 9/11/2018 9:40:24 AM



#86
 p-Isopropyltoluene
 Concen: 101.27 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion:119 Resp: 3436319
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 21.7 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 92.77 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:146 Resp: 1848273

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.1

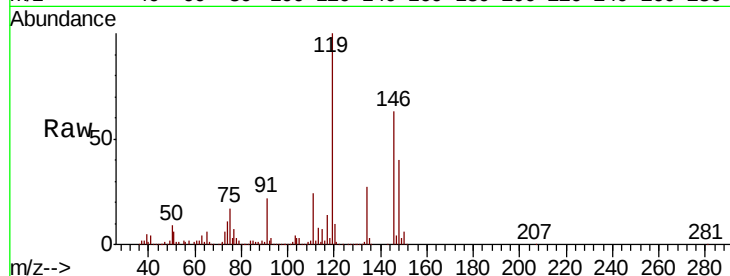
148 64.1 32.2 96.6

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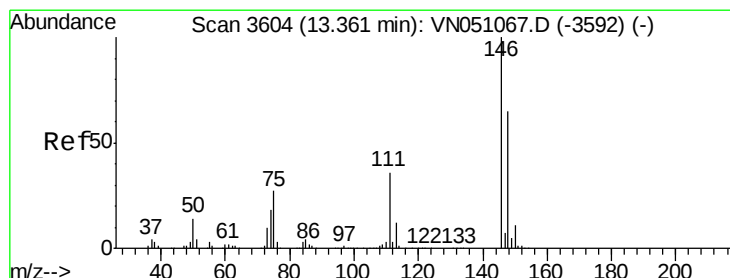
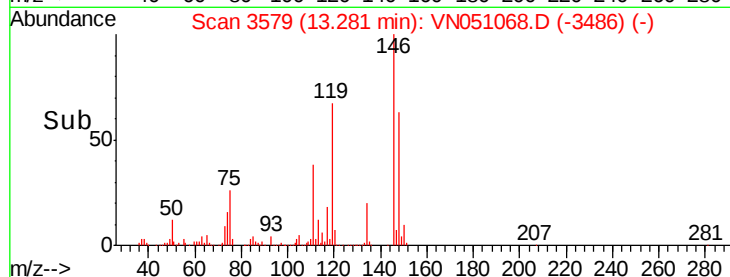
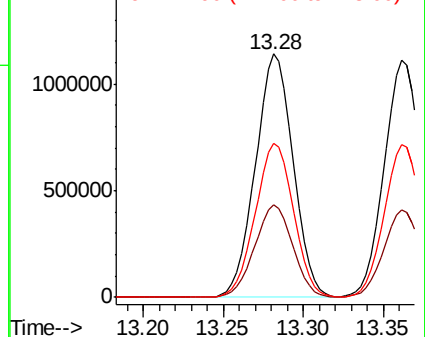


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 92.16 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051068.D

Acq: 10 Sep 2018 9:47

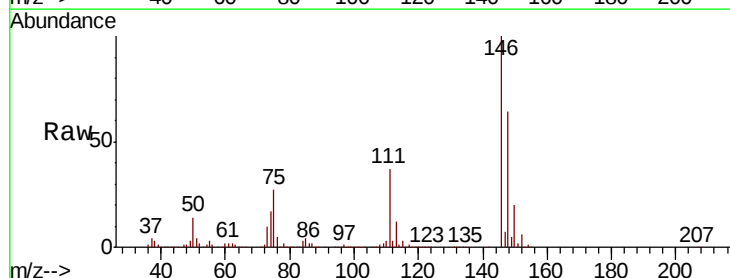
Tgt Ion:146 Resp: 1809693

Ion Ratio Lower Upper

146 100

111 36.8 18.4 55.0

148 64.4 32.2 96.6

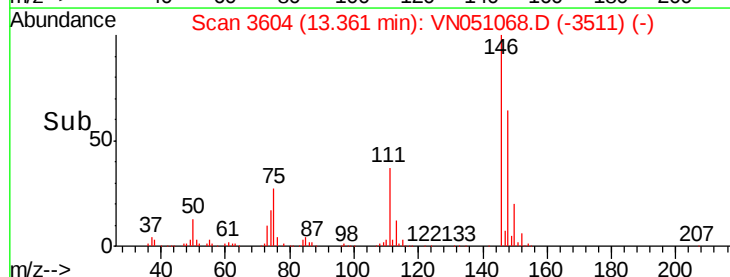
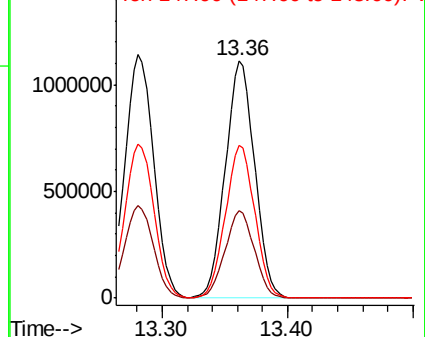


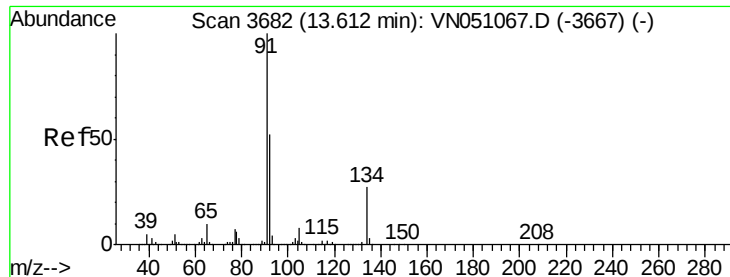
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





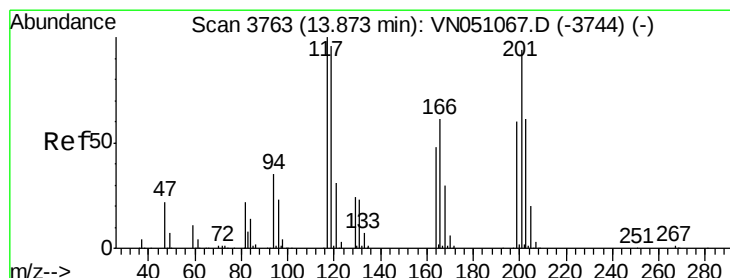
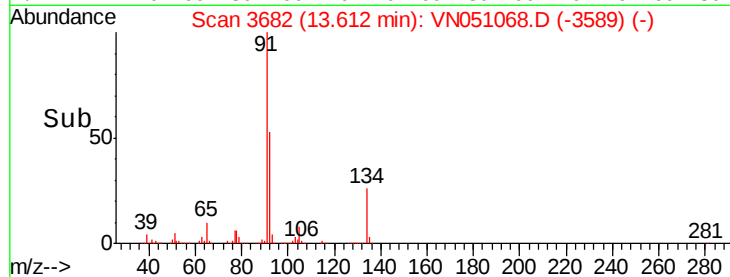
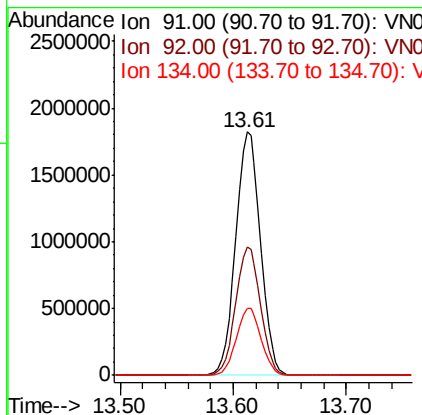
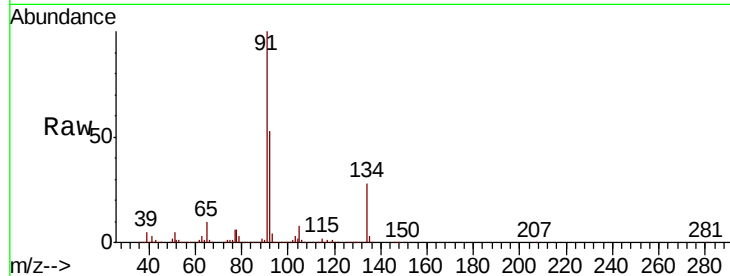
#89
n-Butylbenzene
Concen: 104.96 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.6
134	27.4	13.7	41.1

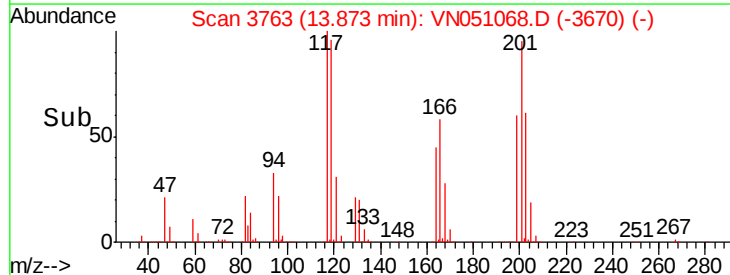
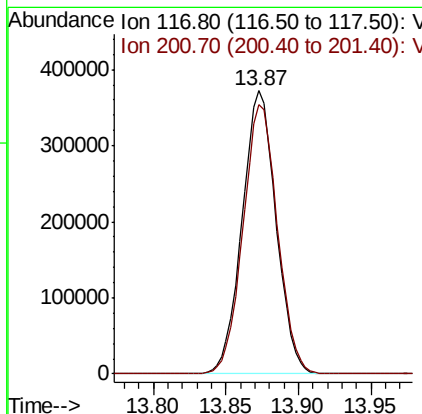
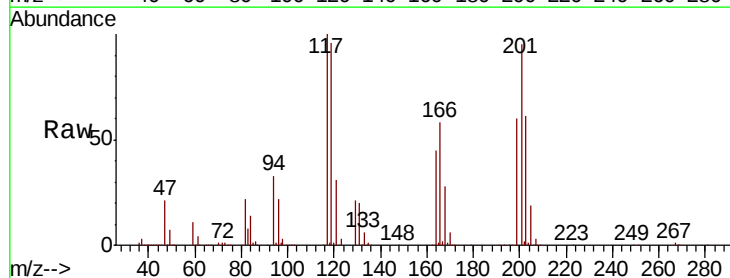
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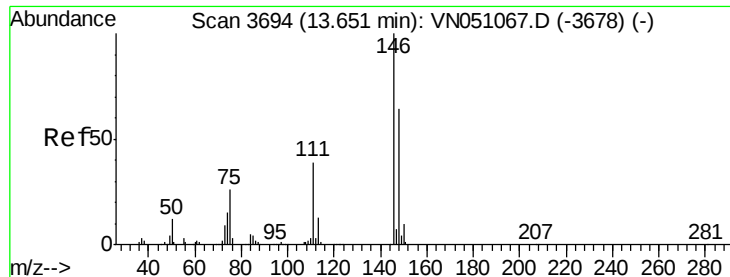
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#90
Hexachloroethane
Concen: 87.44 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	47.3	142.0





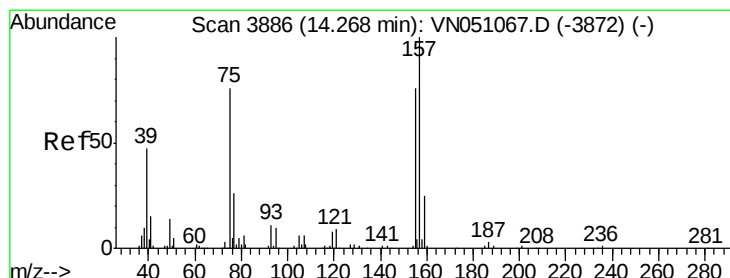
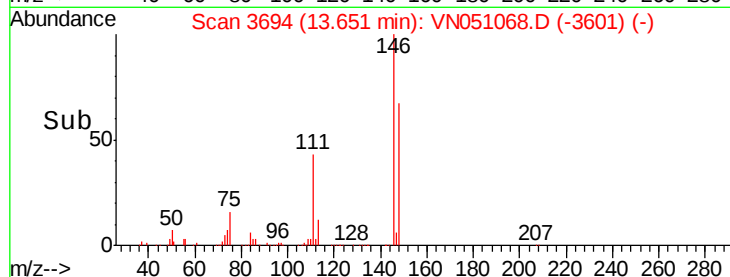
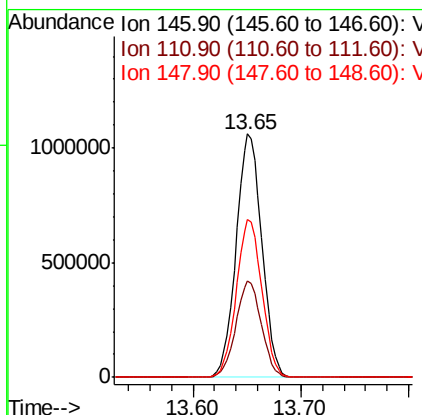
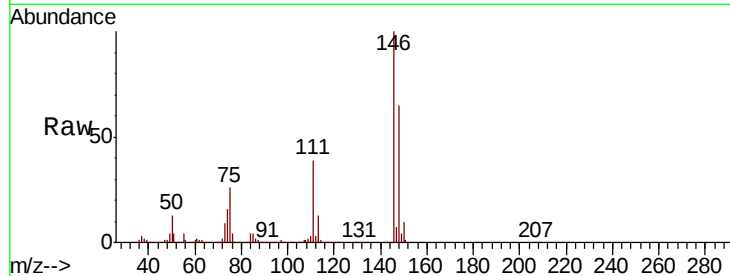
#91
 1,2-Dichlorobenzene
 Concen: 90.60 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.5	32.1	96.3

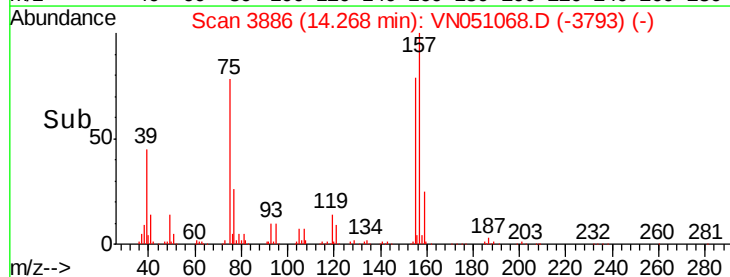
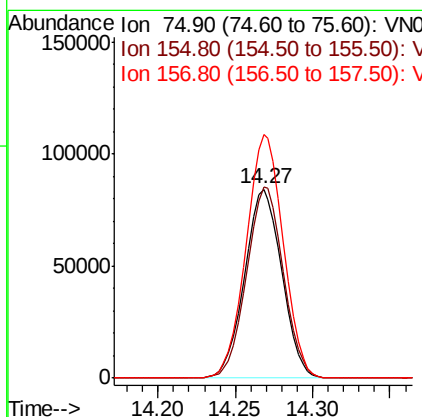
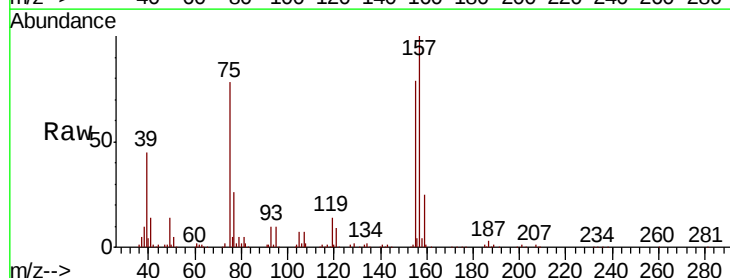
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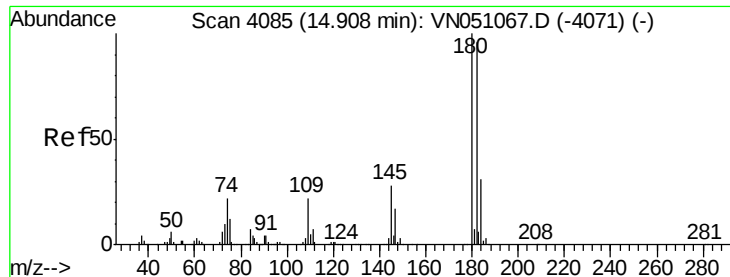
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.21 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	48.7	146.1
157	128.4	63.6	190.9





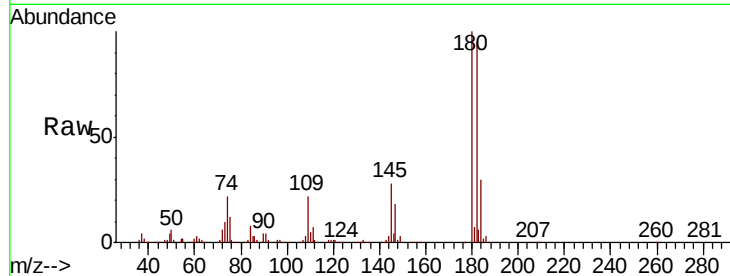
#93
 1,2,4-Trichlorobenzene
 Concen: 112.35 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

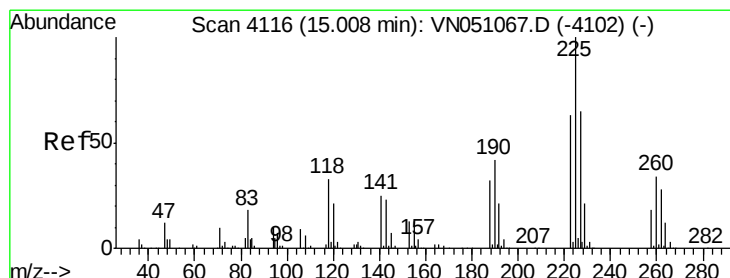
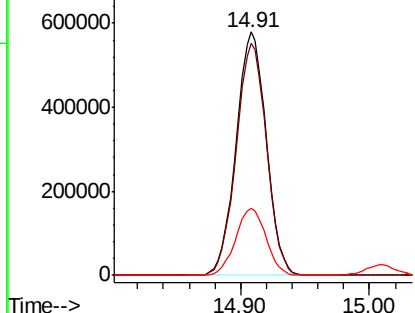
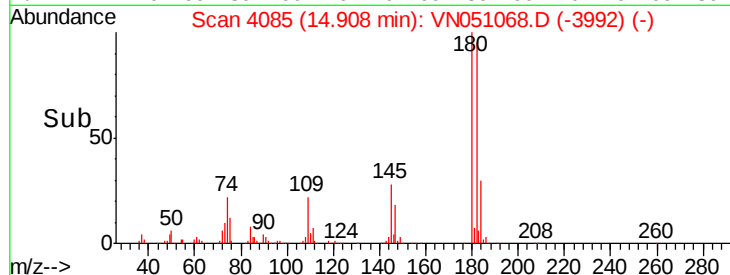
Tot Ion:	180	Resp:	938972
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	141.8
145	27.8	14.2	42.6

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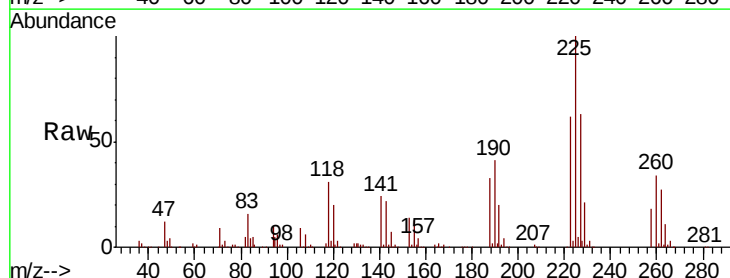


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

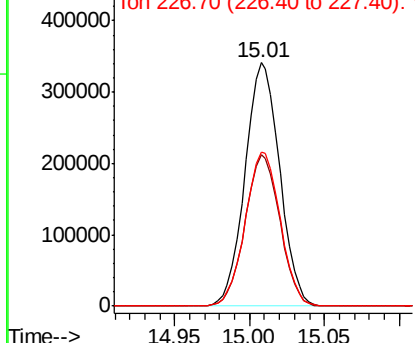
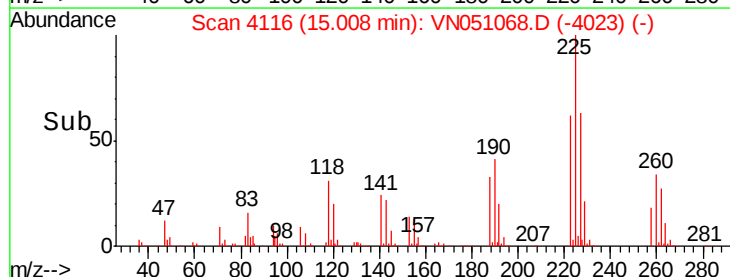


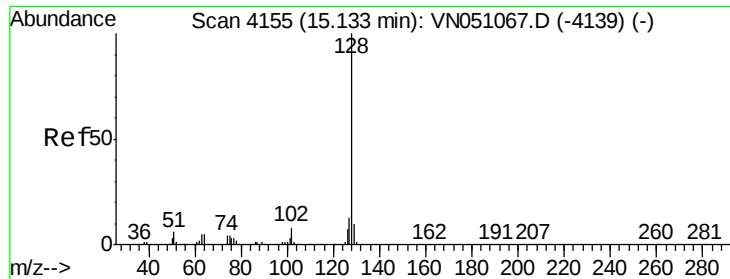
#94
 Hexachlorobutadiene
 Concen: 80.48 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051068.D
 Acq: 10 Sep 2018 9:47

Tgt Ion:	225	Resp:	550503
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.4	94.0
227	63.9	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





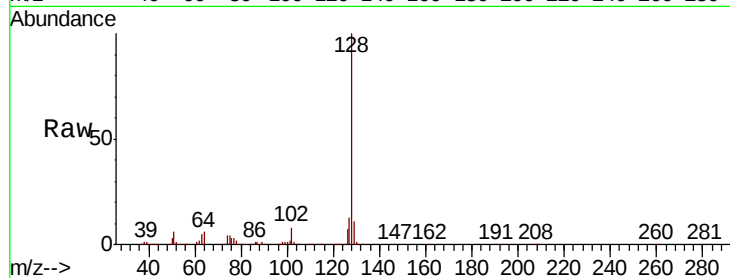
#95
Naphthalene
Concen: 109.78 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
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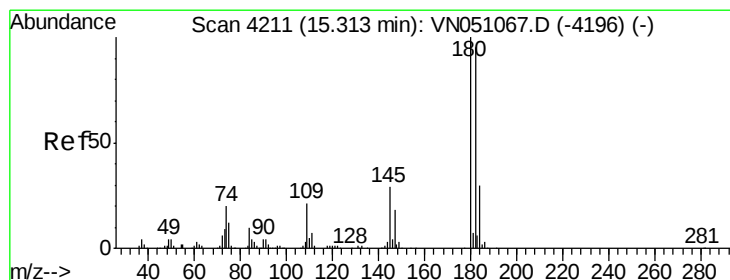
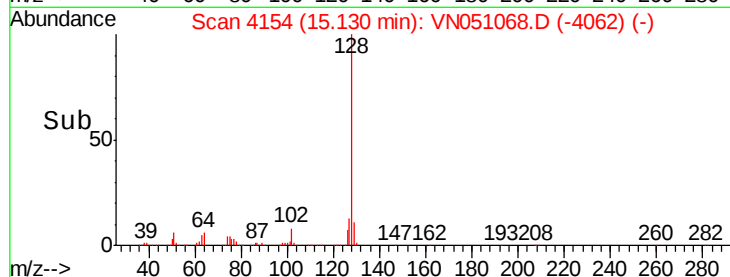
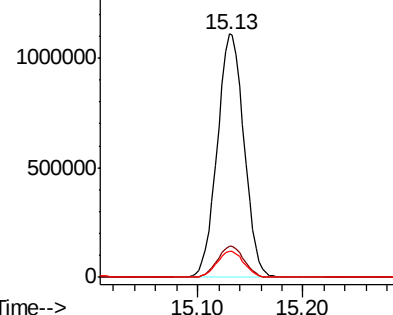


Abundance

Ion 128.00 (127.70 to 128.70): V

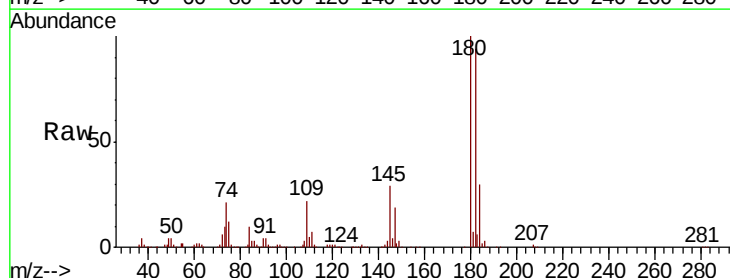
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 103.24 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051068.D
Acq: 10 Sep 2018 9:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.3
145	29.2	14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

