

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051140.D
 Acq On : 12 Sep 2018 10:02
 Operator : MD\SY
 Sample : VN0912WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 5:20:05 PM

Quant Time: Sep 13 07:45:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	628573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	880476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	390380	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	361434	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.59	113	347372	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.09	98	1301654	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.40	95	424824	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108852	17.96	ug/l	97
3) Chloromethane	2.06	50	145632	18.26	ug/l	99
4) Vinyl Chloride	2.18	62	151601	18.22	ug/l	99
5) Bromomethane	2.56	94	79087	16.18	ug/l	96
6) Chloroethane	2.70	64	91768	17.87	ug/l	97
7) Trichlorofluoromethane	3.01	101	207744	18.84	ug/l	100
8) Diethyl Ether	3.41	74	77602	19.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	133777	18.82	ug/l	100
10) Methyl Iodide	3.95	142	79212	16.21	ug/l	99
11) Tert butyl alcohol	4.79	59	56197	105.18	ug/l	99
12) 1,1-Dichloroethene	3.73	96	119255	17.79	ug/l	100
13) Acrolein	3.61	56	55882	101.65	ug/l	100
14) Allyl chloride	4.32	41	182569	17.87	ug/l	98
15) Acrylonitrile	4.99	53	243971	103.05	ug/l	100
16) Acetone	3.82	43	184892	103.48	ug/l	100
17) Carbon Disulfide	4.05	76	353055	17.94	ug/l	100
18) Methyl Acetate	4.33	43	116224	20.75	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	346576	19.55	ug/l	100
20) Methylene Chloride	4.55	84	143899	18.62	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	132238	18.18	ug/l	99
22) Diisopropyl ether	5.95	45	399896	19.72	ug/l	99
23) Vinyl Acetate	5.90	43	1355756	98.80	ug/l	100
24) 1,1-Dichloroethane	5.85	63	242106	18.82	ug/l	98
25) 2-Butanone	6.84	43	276952	100.70	ug/l	99
26) 2,2-Dichloropropane	6.83	77	189474	17.99	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	145817	18.28	ug/l	99
28) Bromochloromethane	7.19	49	110228	19.25	ug/l	99
29) Tetrahydrofuran	7.22	42	185130	107.79	ug/l	100
30) Chloroform	7.37	83	245611	19.19	ug/l	97
31) Cyclohexane	7.65	56	213288	18.45	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	208379	19.11	ug/l	100
36) 1,1-Dichloropropene	7.79	75	183504	18.98	ug/l	99
37) Ethyl Acetate	6.93	43	121241	21.66	ug/l	100
38) Carbon Tetrachloride	7.77	117	184770	19.42	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Sep 13 07:45:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197843	18.55	ug/l	99
40) Benzene	8.04	78	571940	19.63	ug/l	98
41) Methacrylonitrile	7.18	41	57385	19.87	ug/l	98
42) 1,2-Dichloroethane	8.13	62	170337	20.06	ug/l	100
43) Isopropyl Acetate	8.17	43	205528	20.81	ug/l	99
44) Trichloroethene	8.84	130	150775	18.92	ug/l	96
45) 1,2-Dichloropropane	9.12	63	148977	19.79	ug/l	99
46) Dibromomethane	9.21	93	90714	19.75	ug/l	99
47) Bromodichloromethane	9.40	83	188593	20.20	ug/l	97
48) Methyl methacrylate	9.20	41	101196	21.02	ug/l	98
49) 1,4-Dioxane	9.20	88	32358	428.63	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	599725	109.78	ug/l	100
52) Toluene	10.16	92	352225	19.83	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	180669	19.33	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	214488	19.57	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	131928	20.45	ug/l	99
56) Ethyl methacrylate	10.43	69	160078	20.03	ug/l	98
57) 1,3-Dichloropropane	10.71	76	217223	20.31	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	316743	96.95	ug/l	100
59) 2-Hexanone	10.75	43	393864	106.31	ug/l	98
60) Dibromochloromethane	10.90	129	145947	20.07	ug/l	100
61) 1,2-Dibromoethane	11.01	107	129152	20.48	ug/l	100
64) Tetrachloroethene	10.63	164	142373	19.57	ug/l	99
65) Chlorobenzene	11.43	112	382445	19.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	142618	19.71	ug/l	99
67) Ethyl Benzene	11.51	91	630915	19.38	ug/l	100
68) m/p-Xylenes	11.62	106	498298	39.84	ug/l	100
69) o-Xylene	11.95	106	238512	19.69	ug/l	100
70) Styrene	11.96	104	380484	20.25	ug/l	99
71) Bromoform	12.13	173	103078	20.23	ug/l #	99
73) Isopropylbenzene	12.25	105	630251	19.25	ug/l	100
74) N-amyl acetate	12.07	43	155399	18.86	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	172352	22.06	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146706m	23.45	ug/l	
77) Bromobenzene	12.53	156	163840	18.63	ug/l	98
78) n-propylbenzene	12.59	91	695877	19.34	ug/l	99
79) 2-Chlorotoluene	12.68	91	430781	19.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	520570	19.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37607	18.30	ug/l	96
82) 4-Chlorotoluene	12.77	91	422959	18.94	ug/l	99
83) tert-Butylbenzene	12.99	119	440576	18.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	516093	19.83	ug/l	99
85) sec-Butylbenzene	13.17	105	582218	19.43	ug/l	99
86) p-Isopropyltoluene	13.29	119	498053	19.60	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	273702	18.35	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	262831	19.20	ug/l	98
89) n-Butylbenzene	13.62	91	358923	18.15	ug/l	98
90) Hexachloroethane	13.87	117	92283	19.57	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270256	18.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23435	21.34	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Sep 13 07:45:22 2018
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98980	16.95	ug/l	98
94) Hexachlorobutadiene	15.01	225	88938	19.94	ug/l	99
95) Naphthalene	15.13	128	190411	16.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	105181	17.70	ug/l	98

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

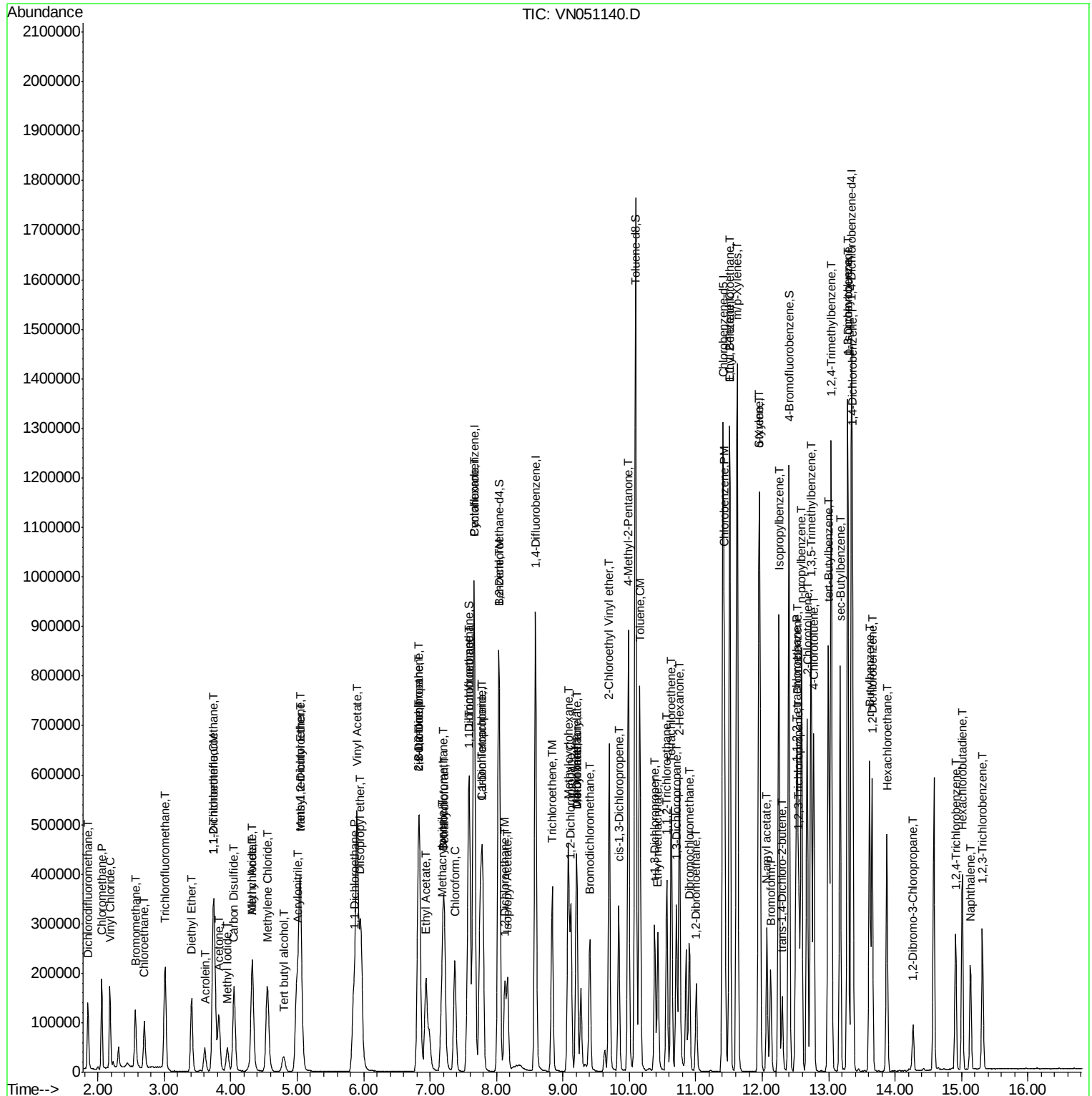
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
Data File : VN051140.D
Acq On : 12 Sep 2018 10:02
Operator : MD\SY
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ALS Vial : 5 Sample Multiplier: 1

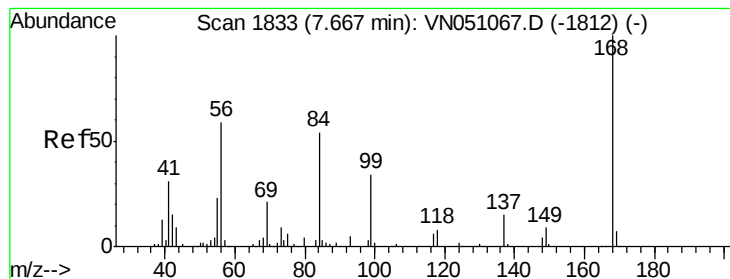
Instrument :
MSVOA_N
Client Sample Id :
VN0912WBS01

Manual Integrations
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Quant Title : SW846 8260
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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: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion:168 Resp: 628573

Ion Ratio Lower Upper

168 100

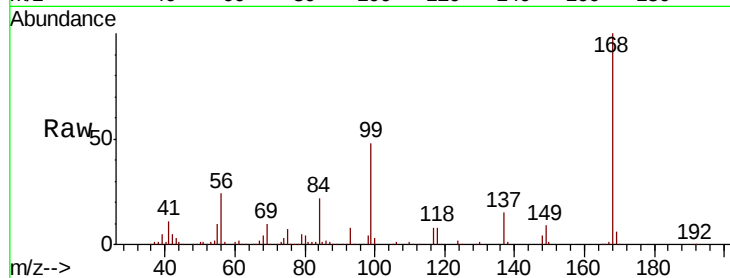
99 47.7 38.3 57.5

Manual Integrations

APPROVED

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9/13/2018 5:20:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

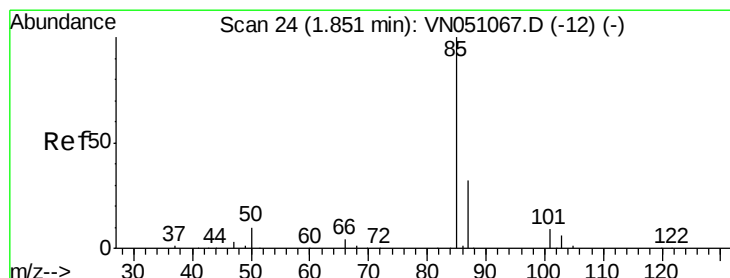
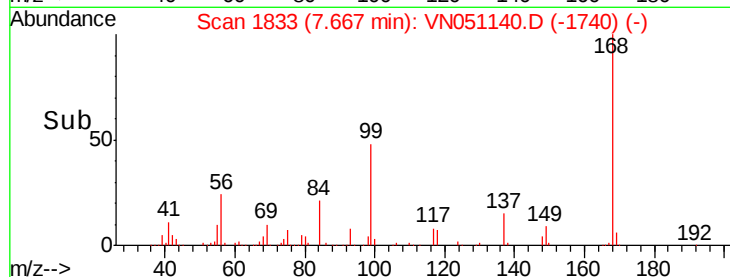
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.96 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051140.D

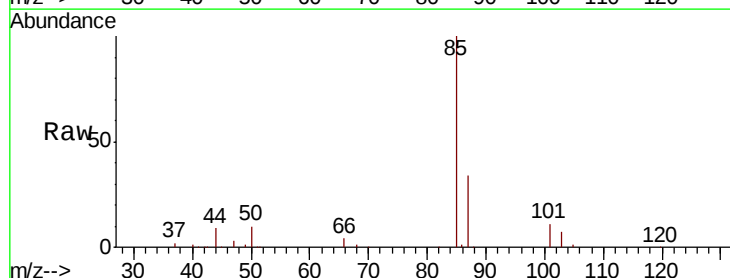
Acq: 12 Sep 2018 10:02

Tgt Ion: 85 Resp: 108852

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

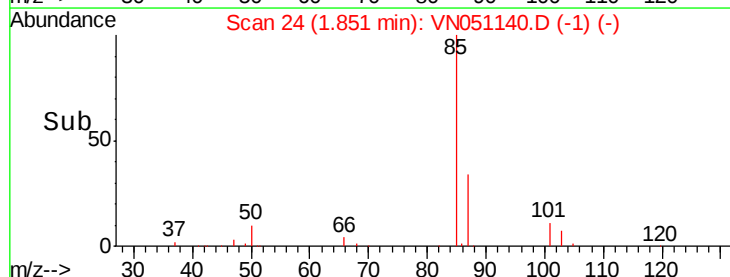
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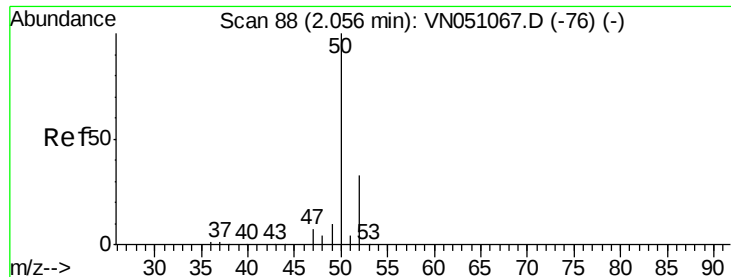
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.26 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 50 Resp: 145632

Ion Ratio Lower Upper

50 100

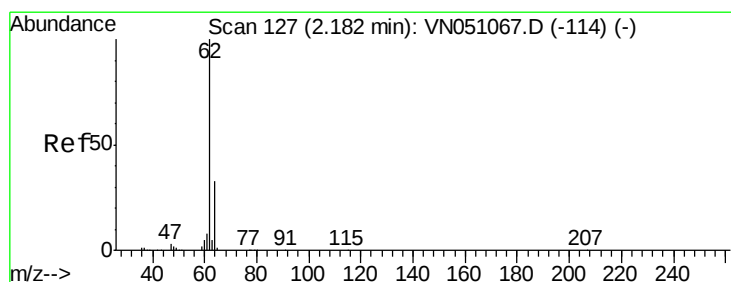
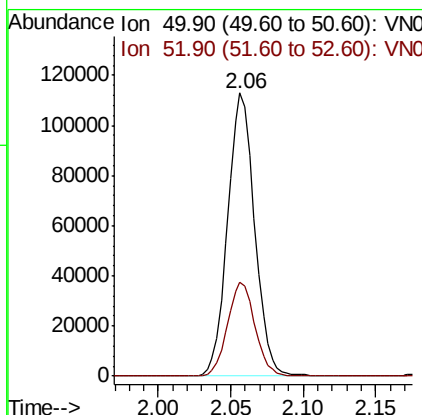
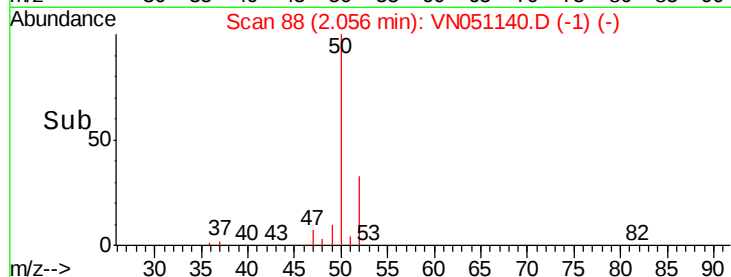
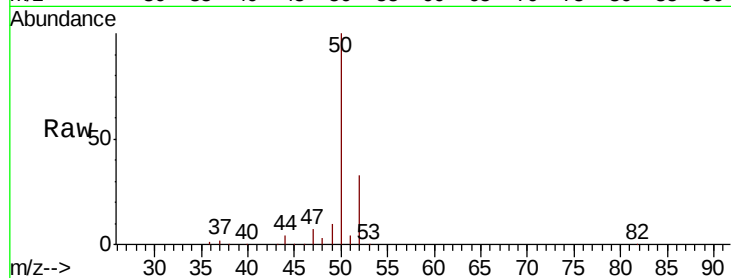
52 33.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.22 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051140.D

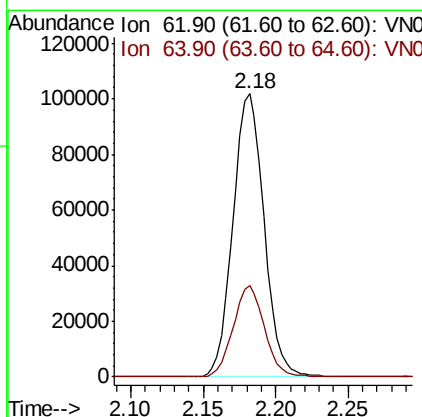
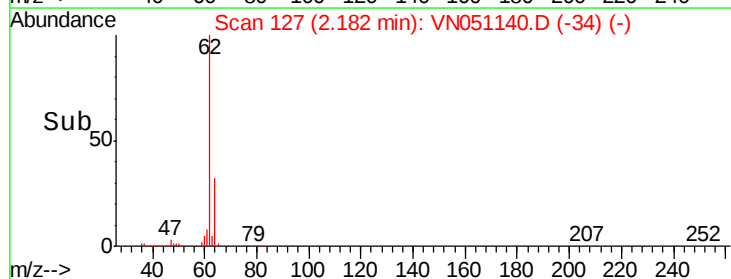
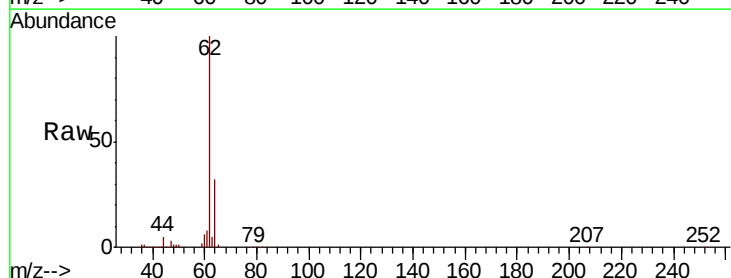
Acq: 12 Sep 2018 10:02

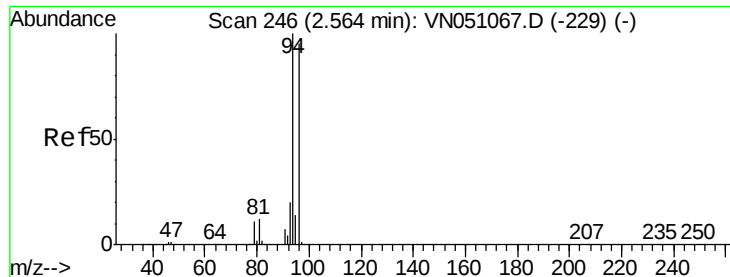
Tgt Ion: 62 Resp: 151601

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4





#5

Bromomethane

Concen: 16.18 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 94 Resp: 79087

Ion Ratio Lower Upper

94 100

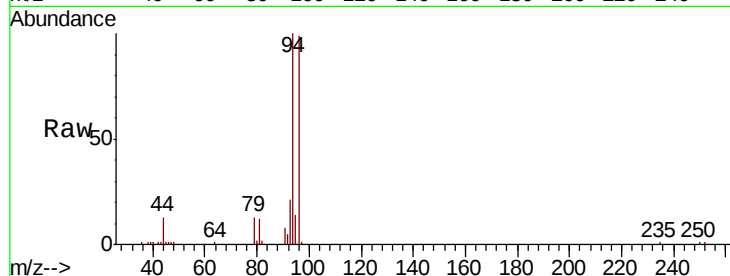
96 98.9 75.9 113.9

Manual Integrations

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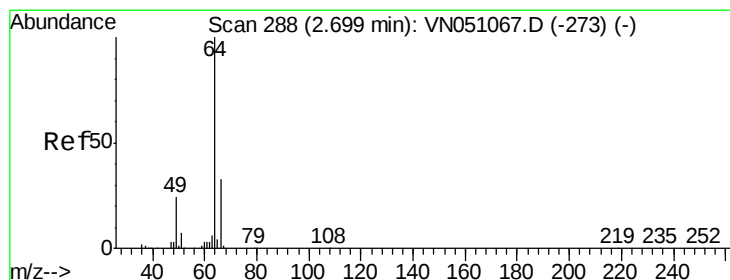
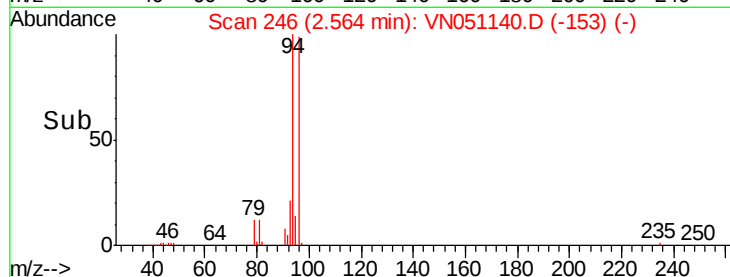
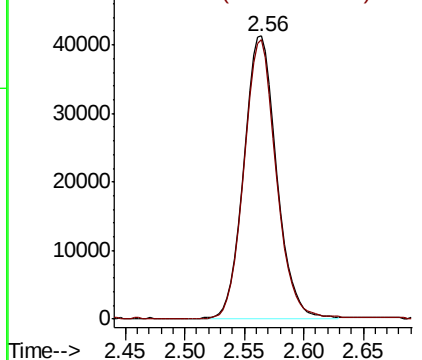
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.87 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051140.D

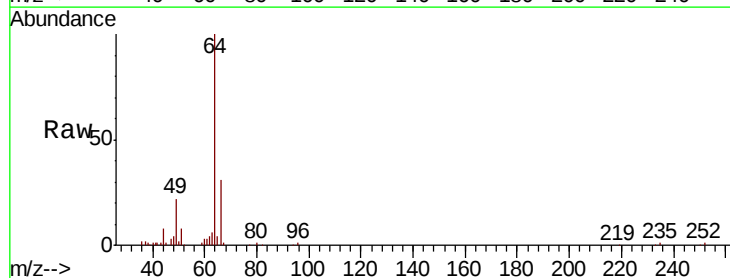
Acq: 12 Sep 2018 10:02

Tgt Ion: 64 Resp: 91768

Ion Ratio Lower Upper

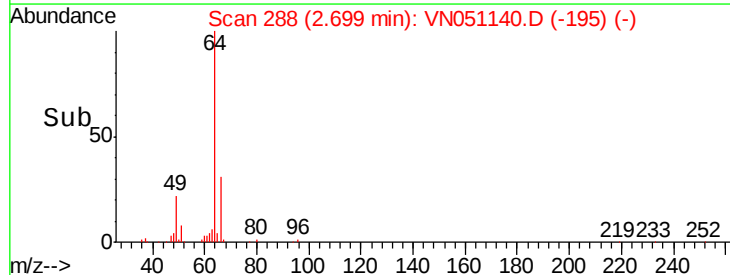
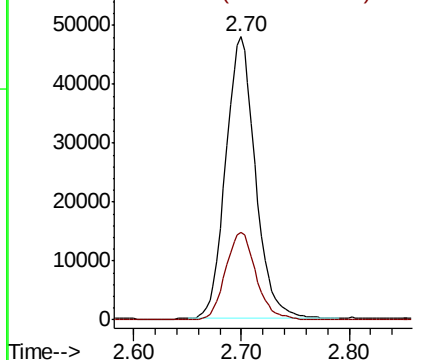
64 100

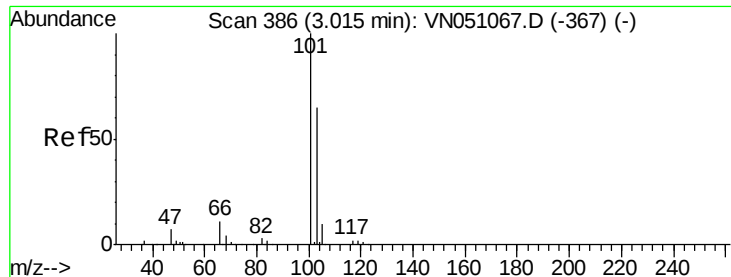
66 31.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

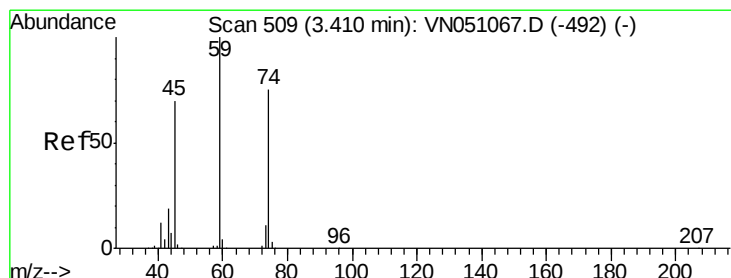
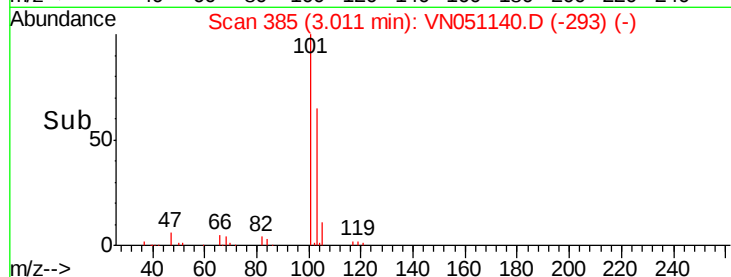
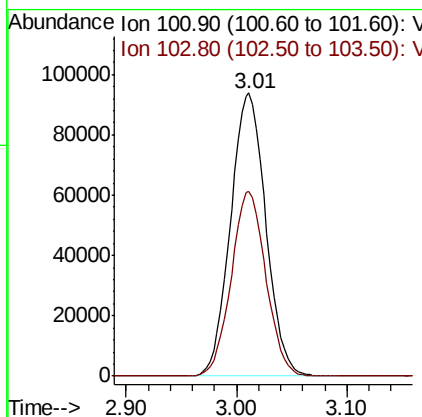
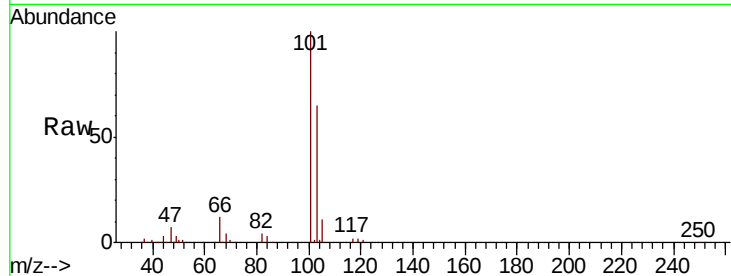
Trichlorofluoromethane
 Concen: 18.84 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6

Manual Integrations
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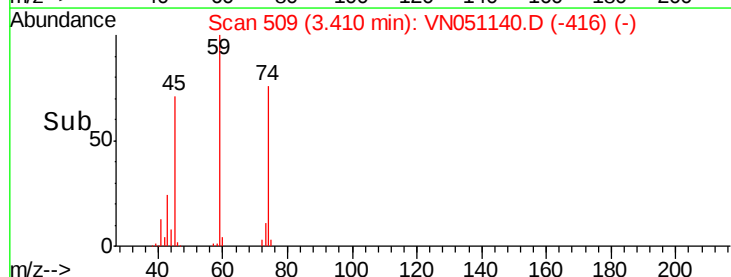
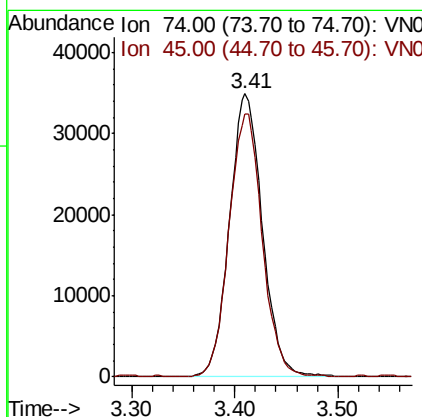
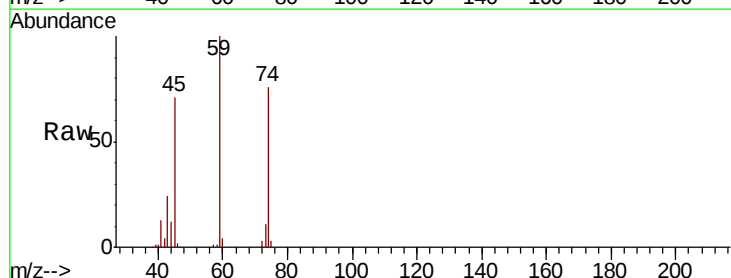
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 9/13/2018 5:20:05 PM

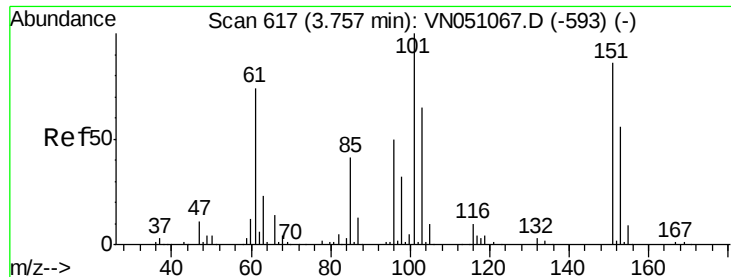


#8

Diethyl Ether
 Concen: 19.14 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	46.7	140.0





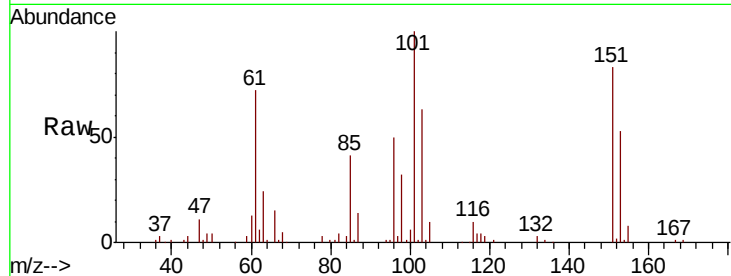
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.82 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	133777		
85	41.7	33.3	49.9	
151	84.6	68.2	102.2	

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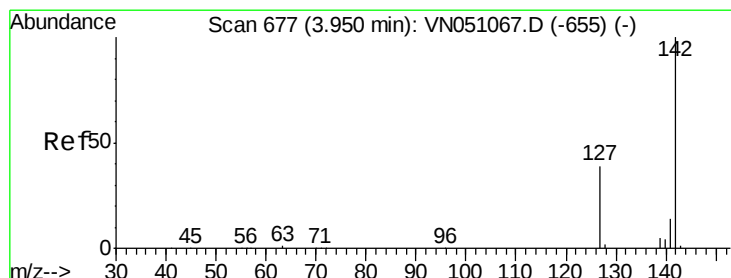
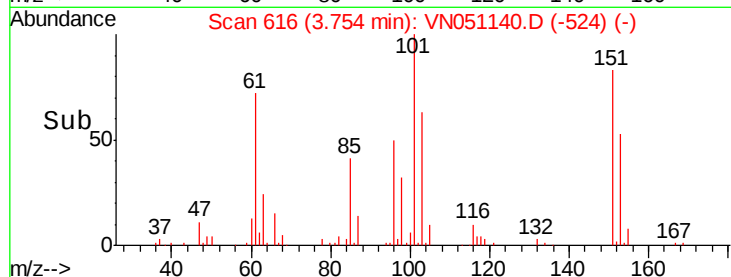
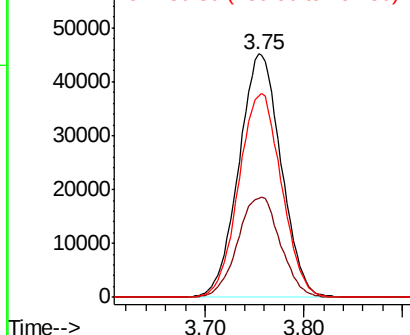


Abundance

Ion 100.90 (100.60 to 101.60): V

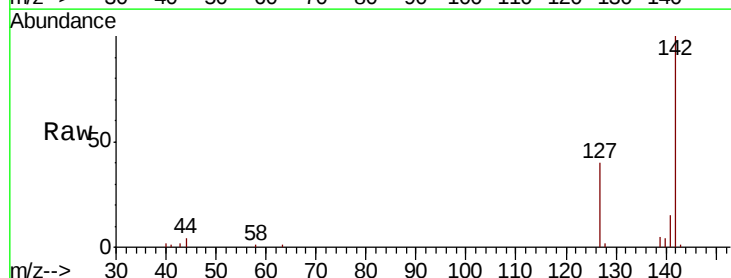
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 16.21 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	79212		
127	39.1	31.0	46.4	
141	14.1	11.3	16.9	

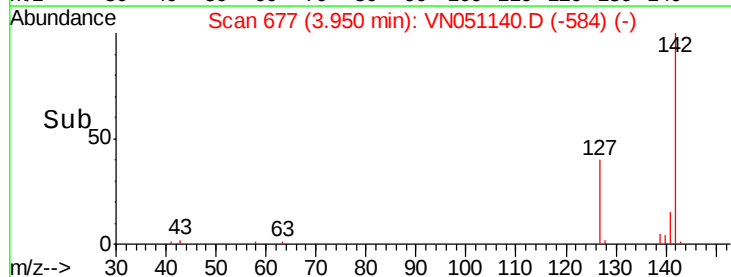
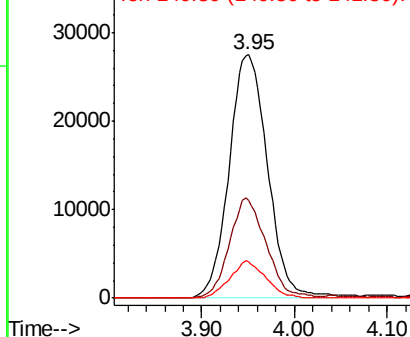


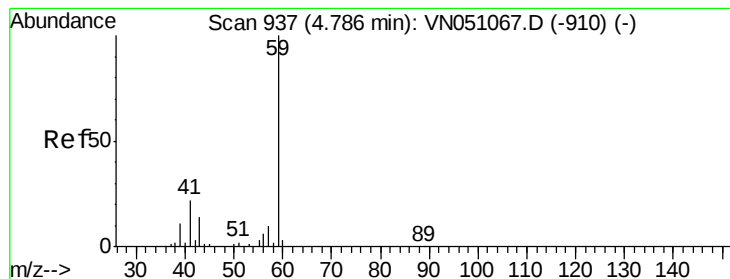
Abundance

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

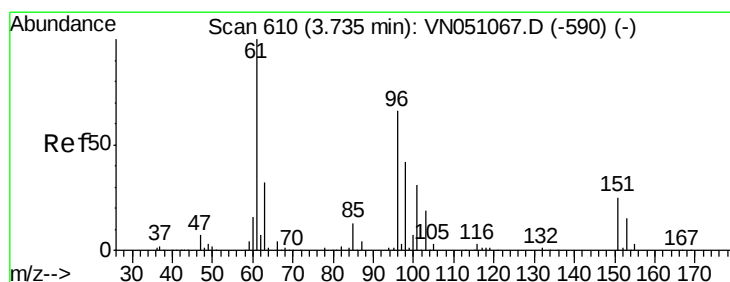
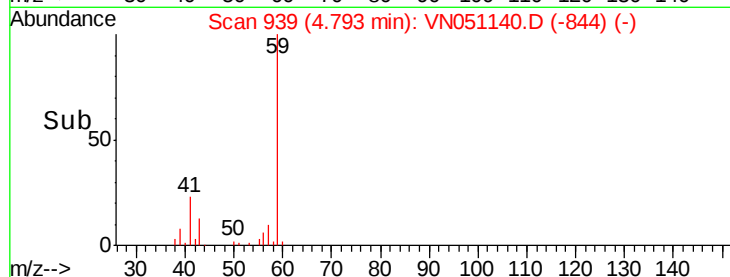
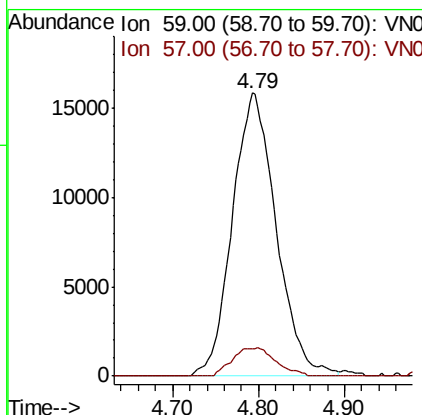
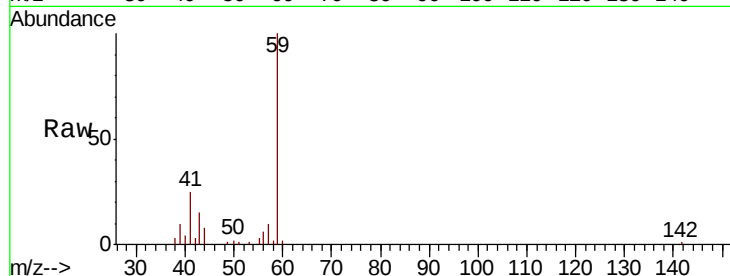
Tert butyl alcohol
Concen: 105.18 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

Manual Integrations
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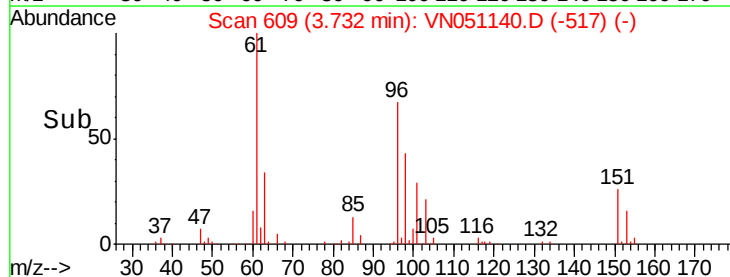
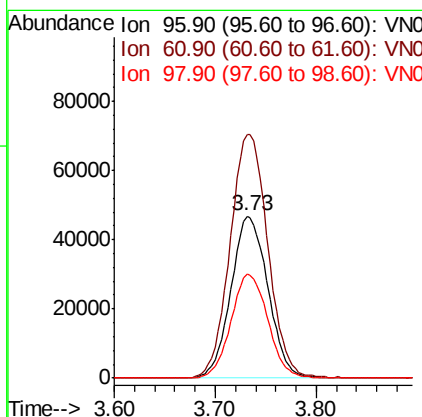
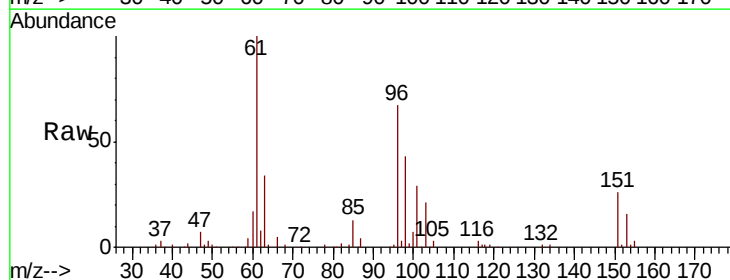
MMDadoda
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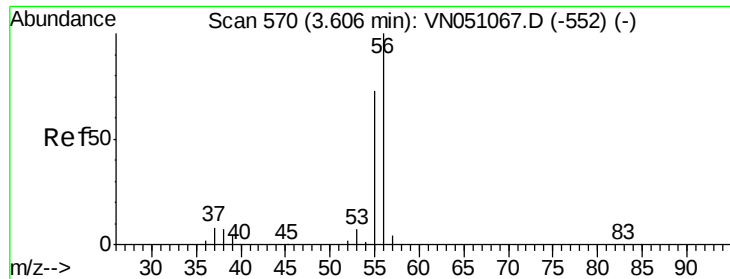


#12

1,1-Dichloroethene
Concen: 17.79 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.2	120.3	180.5
98	64.2	50.8	76.2





#13

Acrolein

Concen: 101.65 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

Tot Ion: 56 Resp: 55882

Ion Ratio Lower Upper

56 100

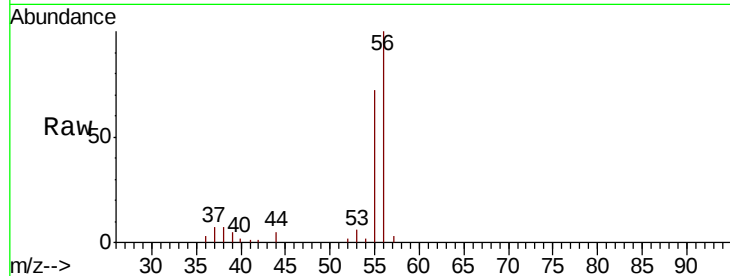
55 72.5 58.0 87.0

Manual Integrations

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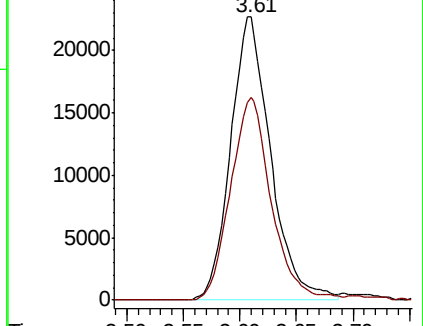
MMDadoda

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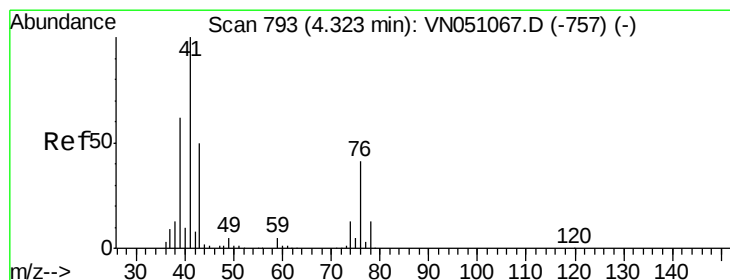
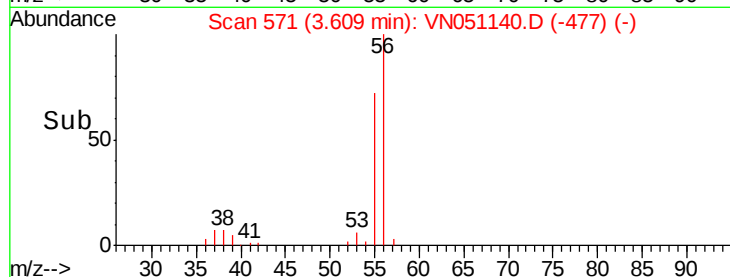


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 17.87 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

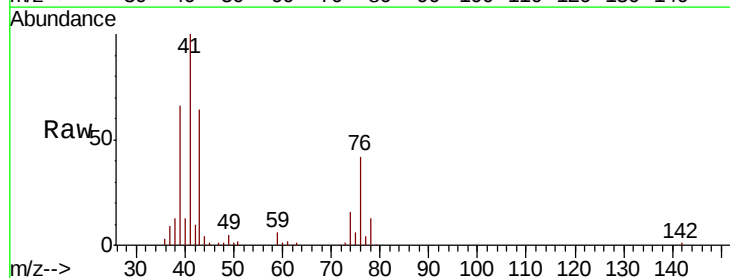
Tgt Ion: 41 Resp: 182569

Ion Ratio Lower Upper

41 100

39 62.8 48.8 73.2

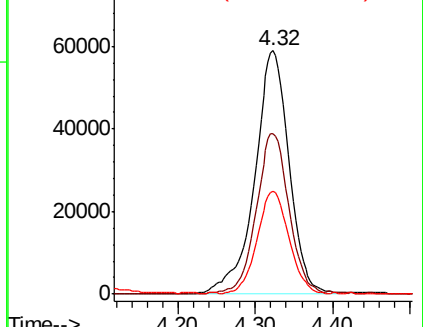
76 38.5 30.6 45.8



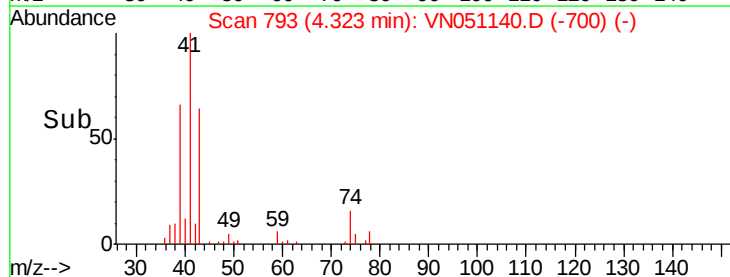
Abundance Ion 41.00 (40.70 to 41.70): VN0

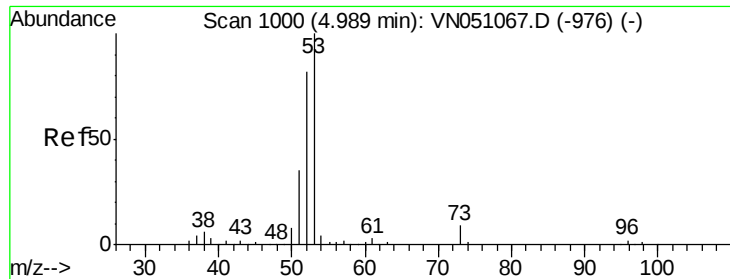
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





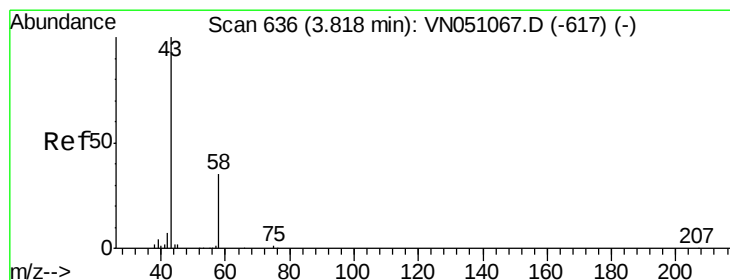
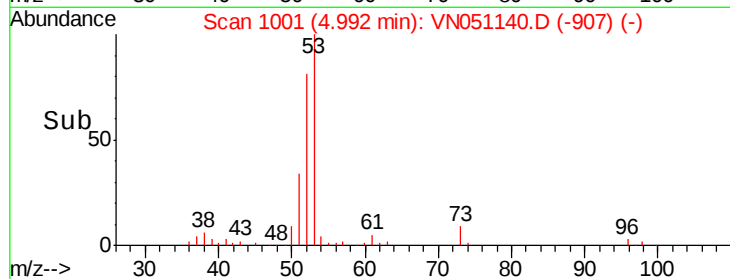
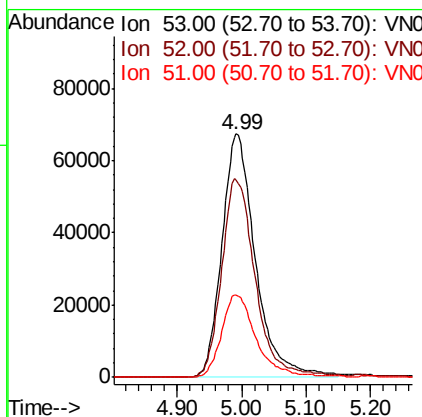
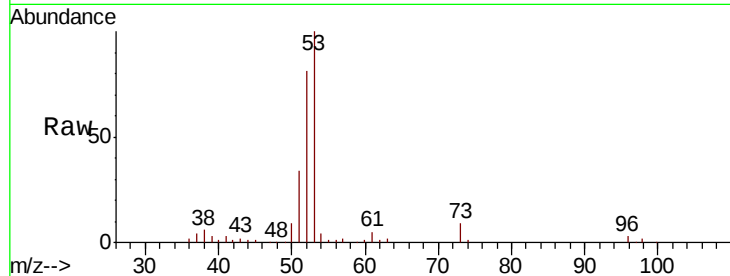
#15
 Acrylonitrile
 Concen: 103.05 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.3	97.9
51	35.0	28.2	42.2

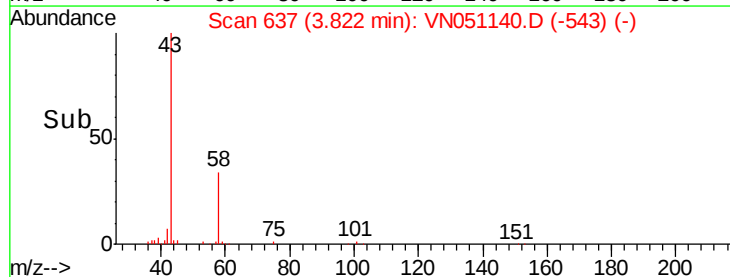
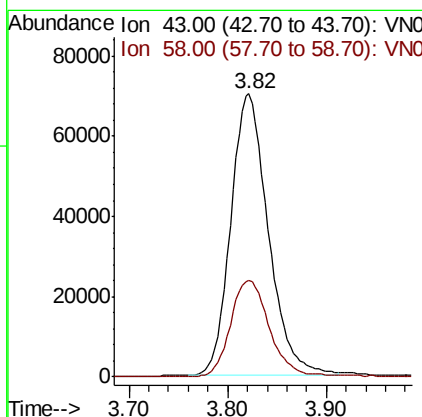
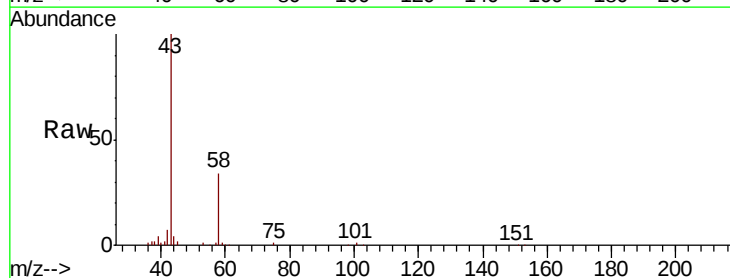
Manual Integrations
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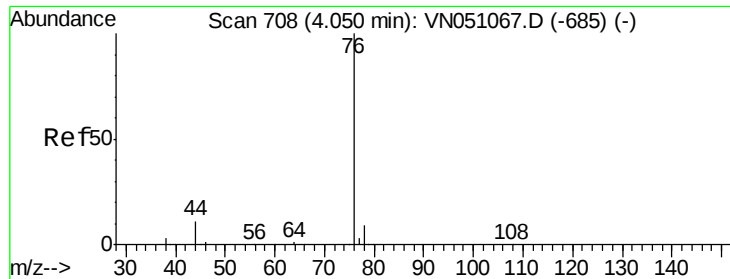
MMDadoda
 9/13/2018 5:20:05 PM



#16
 Acetone
 Concen: 103.48 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.8	41.6





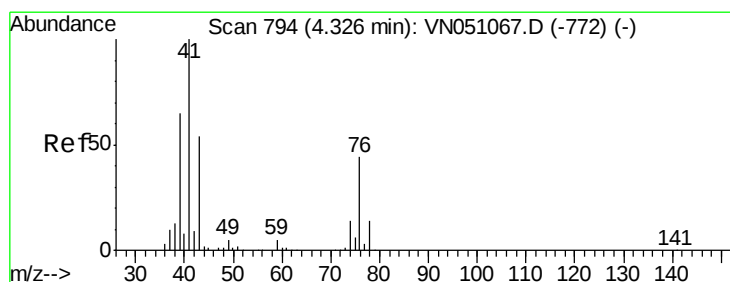
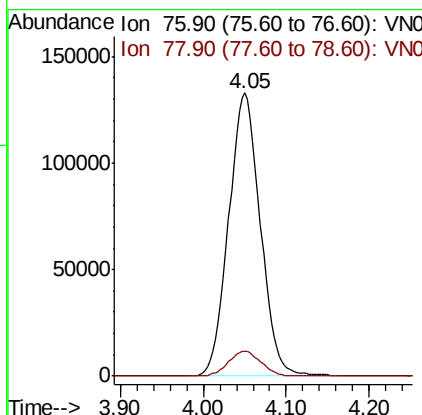
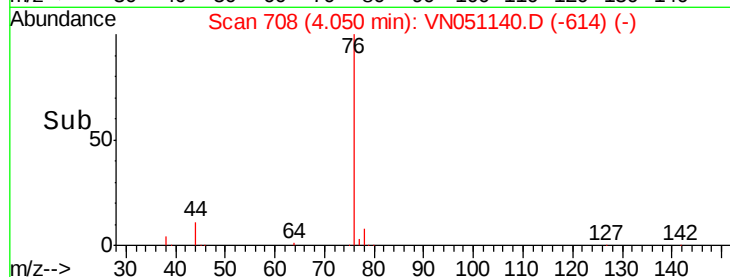
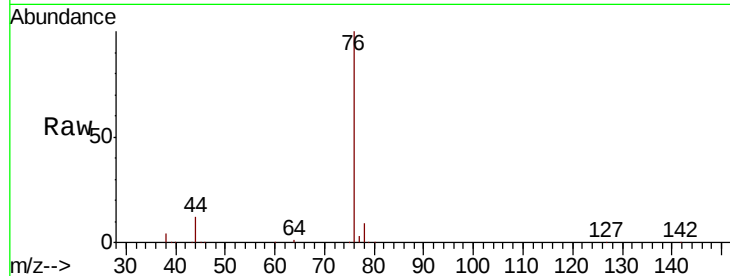
#17
Carbon Disulfide
Concen: 17.94 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

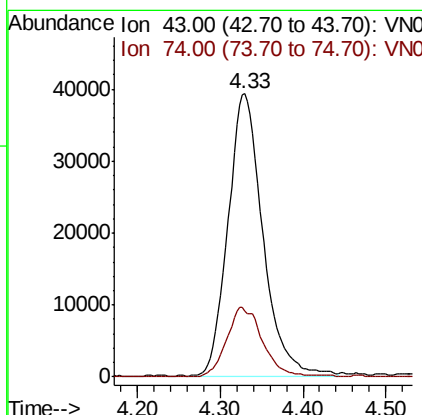
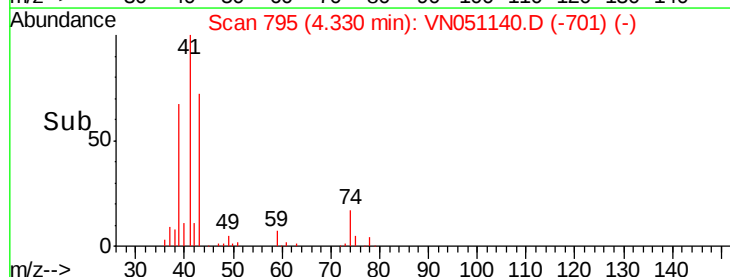
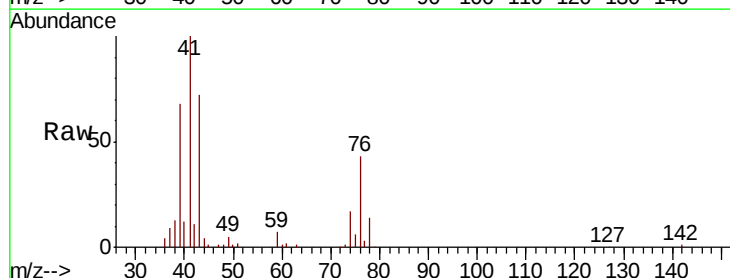
Manual Integrations
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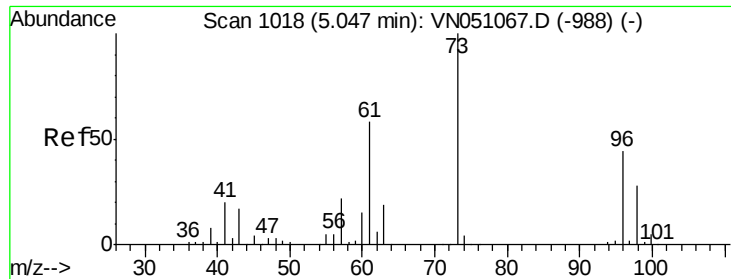
MMDadoda
9/13/2018 5:20:05 PM



#18
Methyl Acetate
Concen: 20.75 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.7	31.1





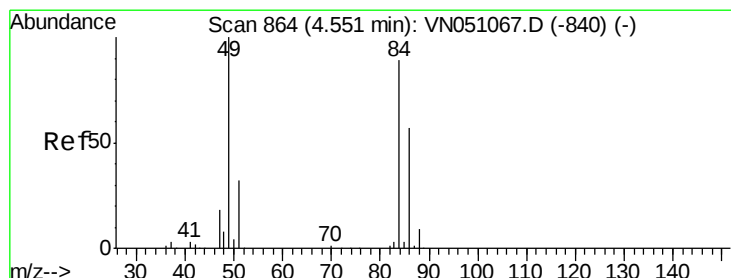
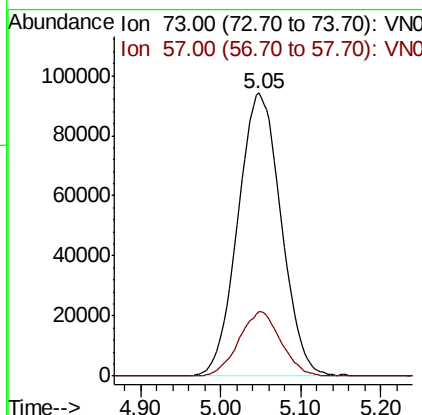
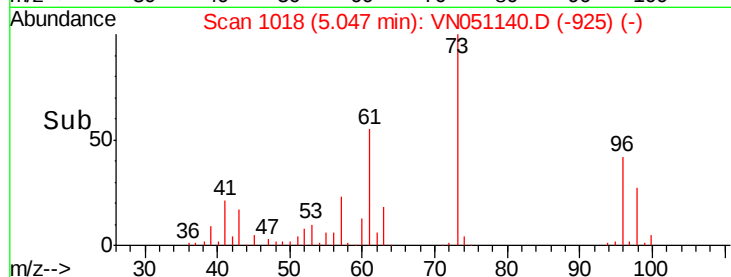
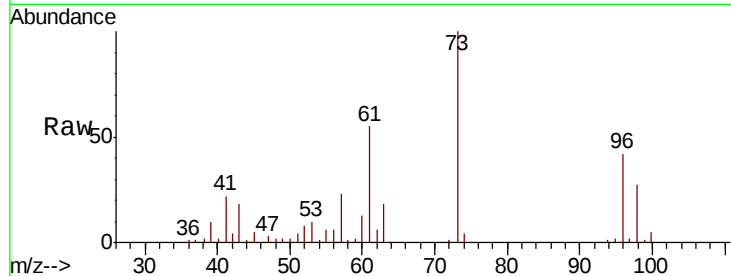
#19
Methvl tert-butvl Ether
Concen: 19.55 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion: 73 Resp: 346576
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

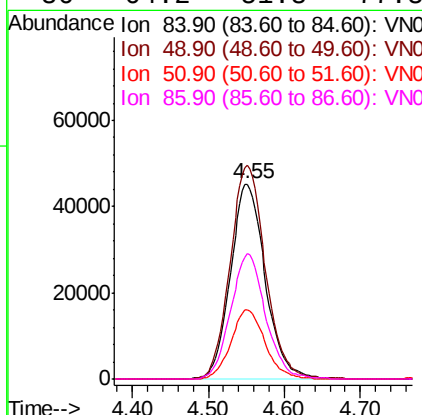
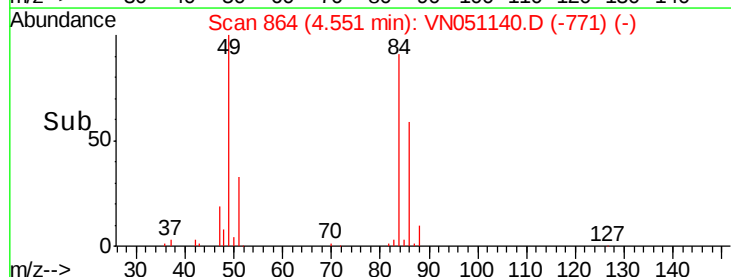
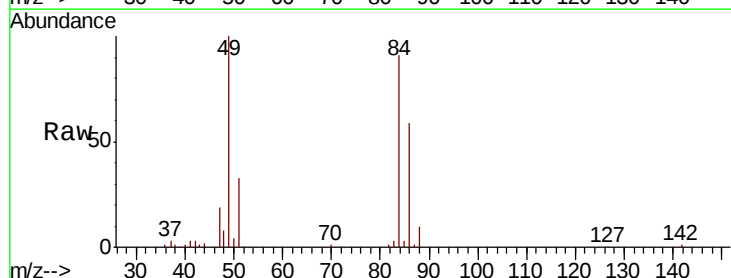
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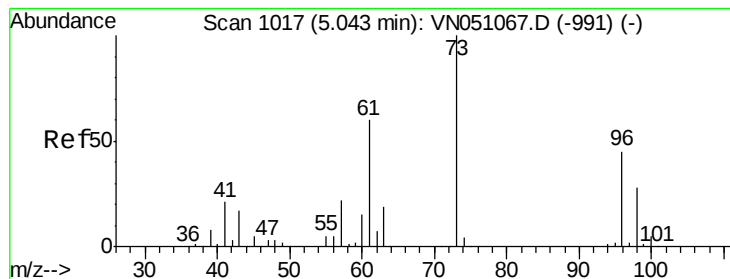
MMDadoda
9/13/2018 5:20:05 PM



#20
Methylene Chloride
Concen: 18.62 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 84 Resp: 143899
Ion Ratio Lower Upper
84 100
49 109.5 90.2 135.2
51 35.6 28.4 42.6
86 64.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 18.18 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 96 Resp: 132238

Ion Ratio Lower Upper

96 100

61 132.2 106.5 159.7

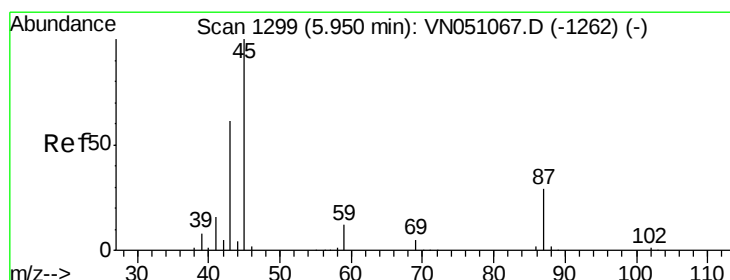
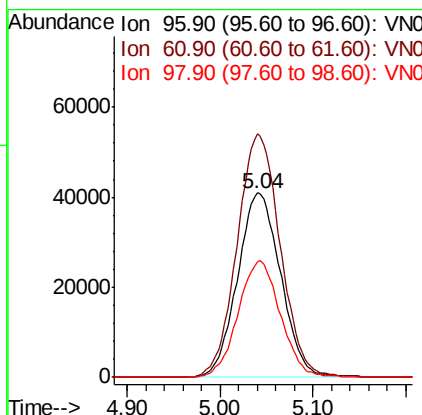
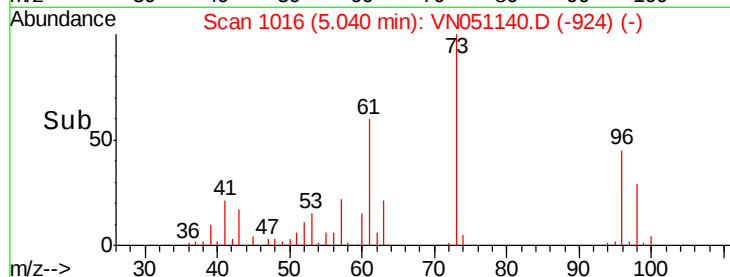
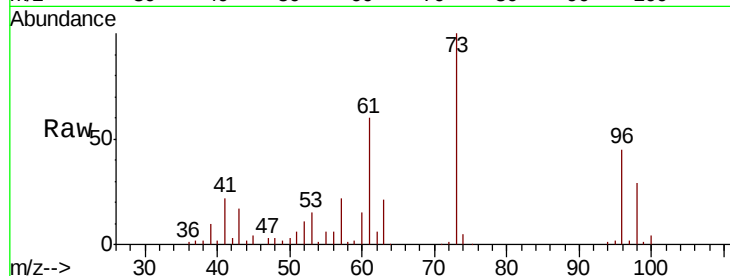
98 63.0 50.4 75.6

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 19.72 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Tgt Ion: 45 Resp: 399896

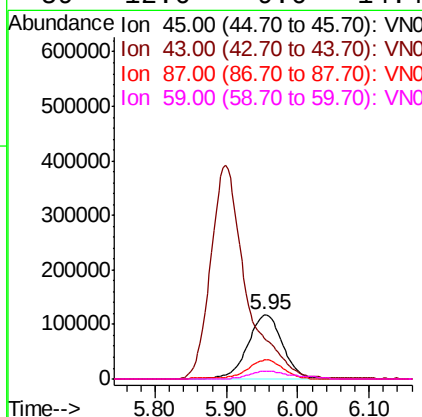
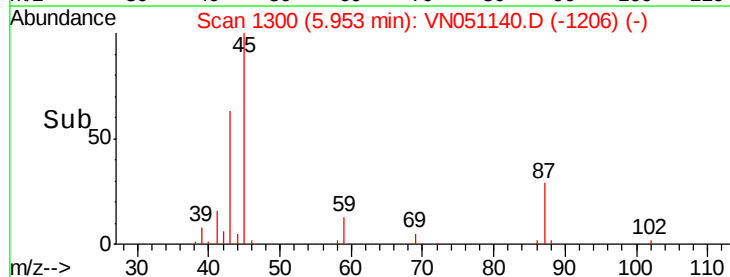
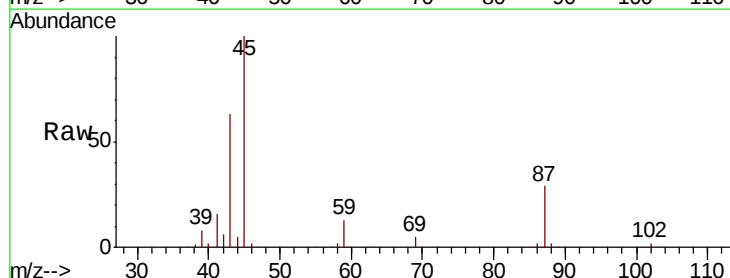
Ion Ratio Lower Upper

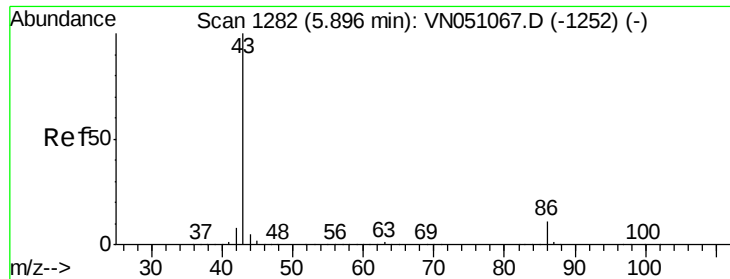
45 100

43 61.5 48.8 73.2

87 29.1 23.8 35.8

59 12.6 9.6 14.4





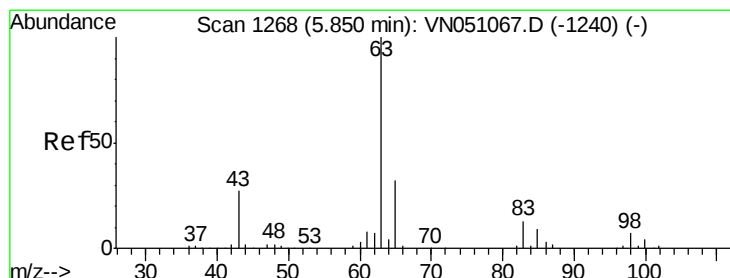
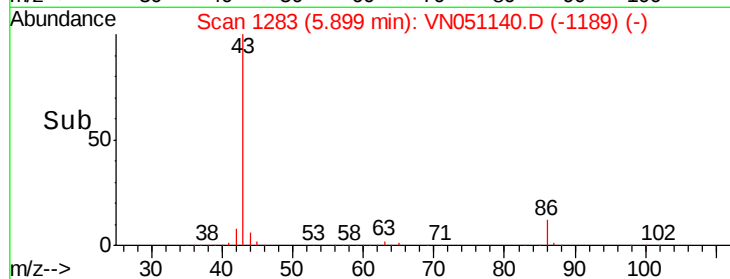
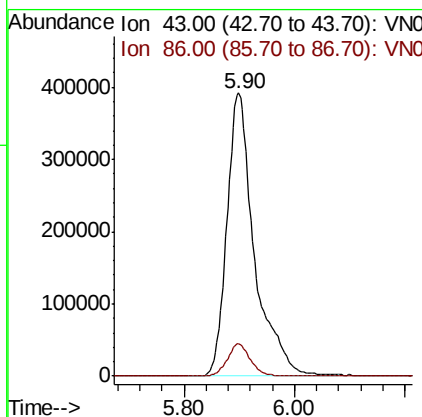
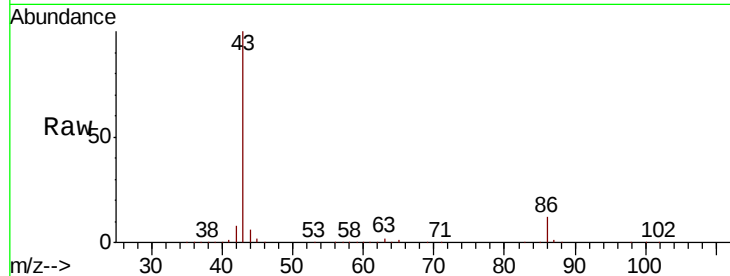
#23
 Vinyl Acetate
 Concen: 98.80 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion: 43 Resp: 1355756
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.2 13.8

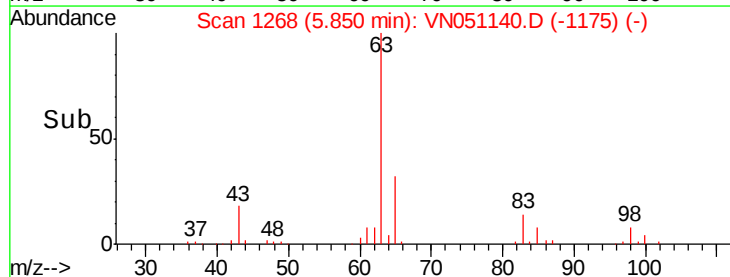
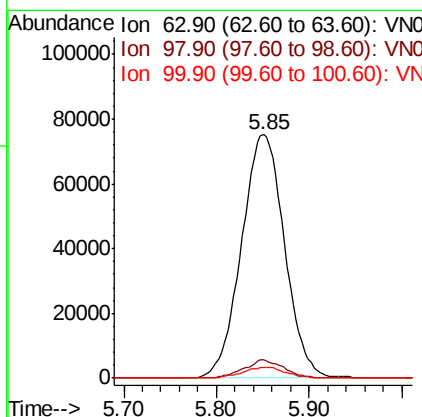
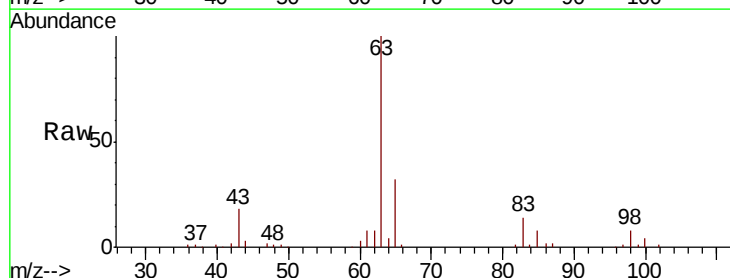
Manual Integrations
 APPROVED

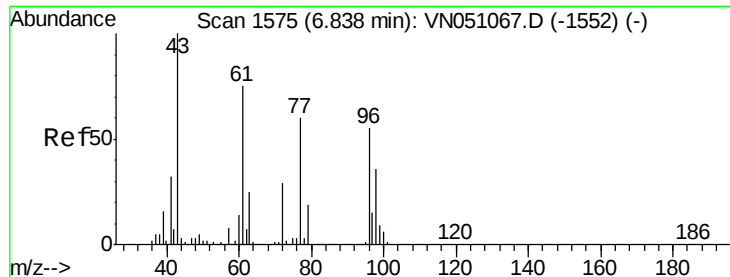
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.82 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion: 63 Resp: 242106
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.4 10.1
 100 4.3 2.1 6.3





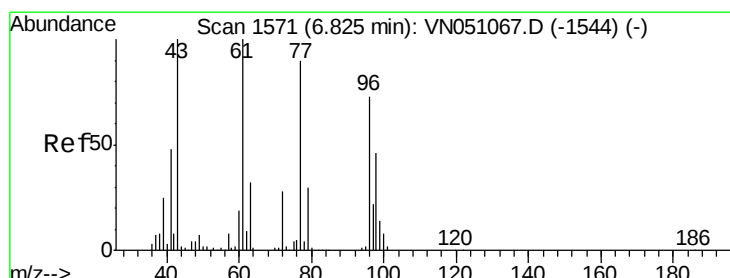
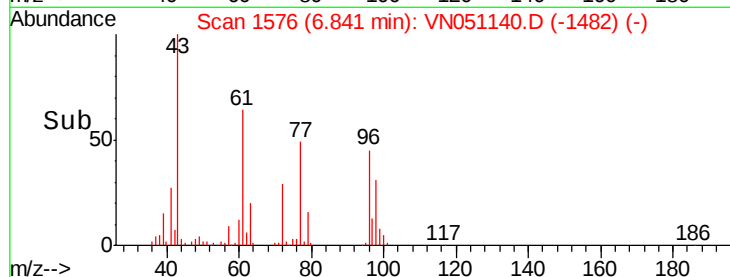
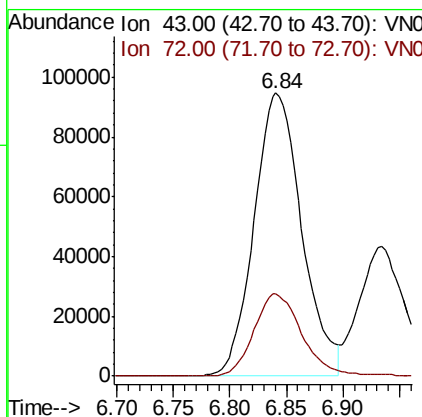
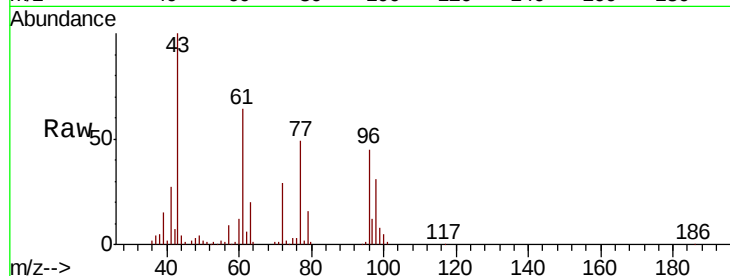
#25
2-Butanone
Concen: 100.70 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

Tot Ion: 43 Resp: 276952
Ion Ratio Lower Upper
43 100
72 29.1 23.0 34.6

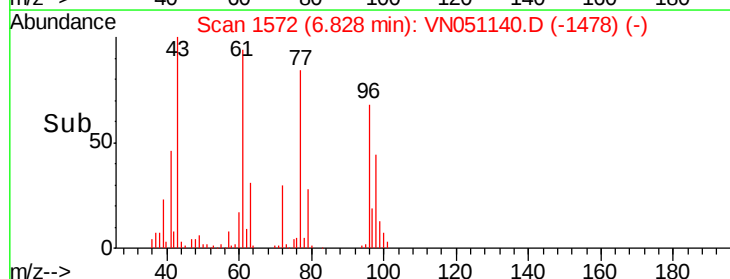
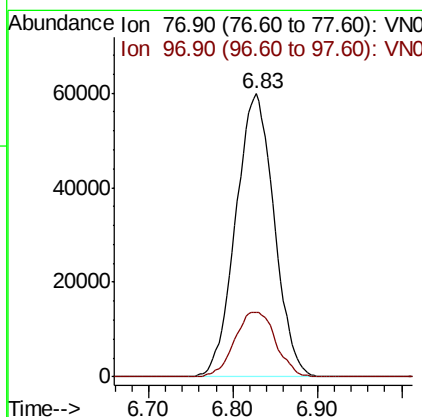
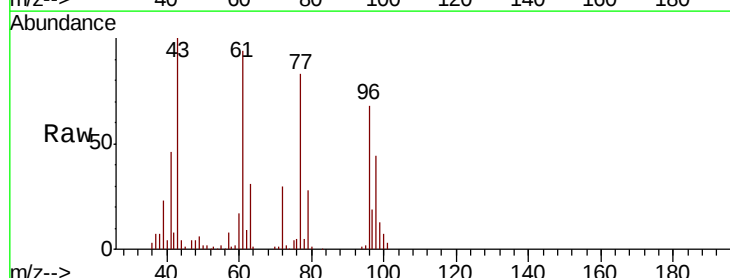
Manual Integrations
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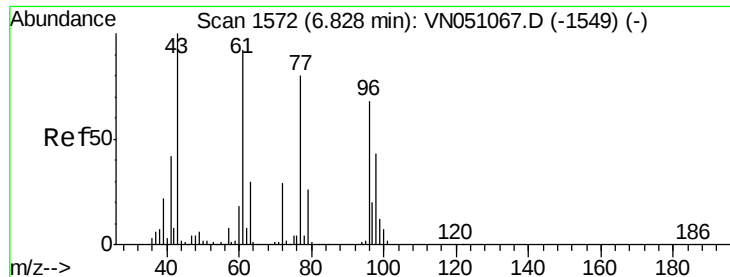
MMDadoda
9/13/2018 5:20:05 PM



#26
2,2-Dichloropropane
Concen: 17.99 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 77 Resp: 189474
Ion Ratio Lower Upper
77 100
97 24.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.28 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

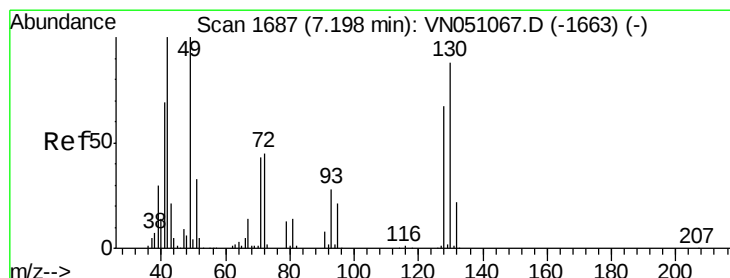
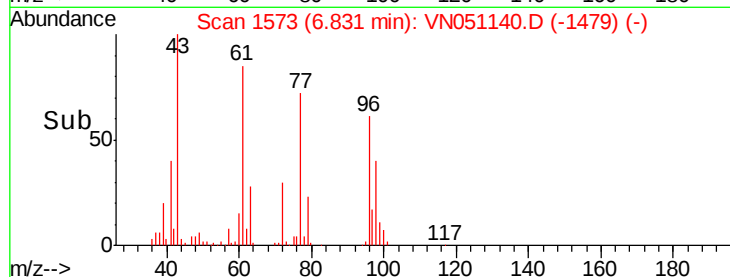
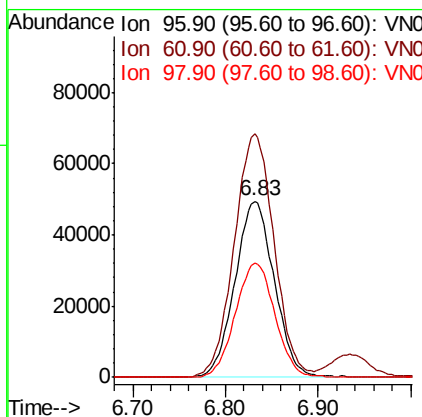
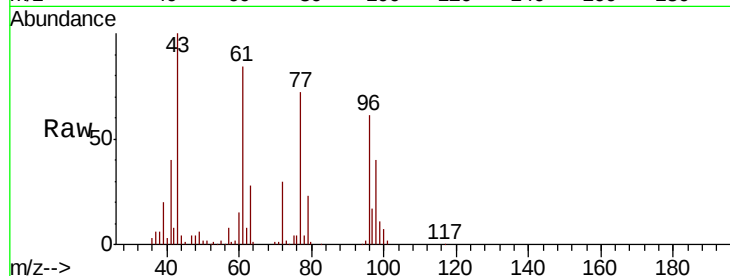
ClientSampleId :

VN0912WBS01

Tot Ion:	96	Resp:	145817
Ion Ratio	Lower	Upper	
96	100		
61	139.8	0.0	278.2
98	65.3	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 19.25 ug/l

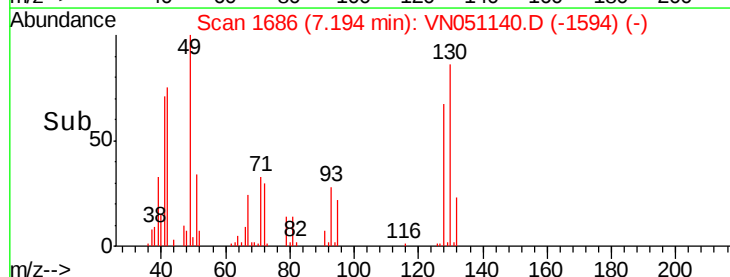
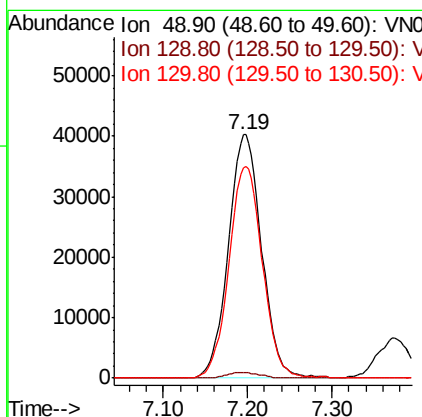
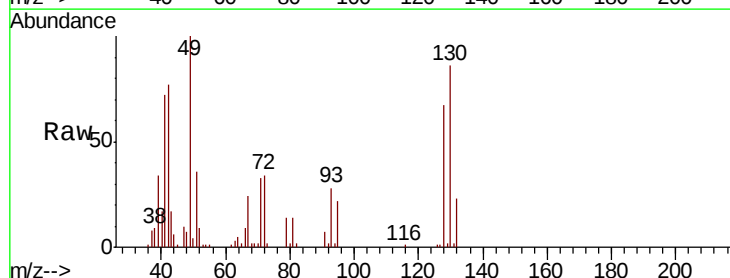
RT: 7.19 min Scan# 1686

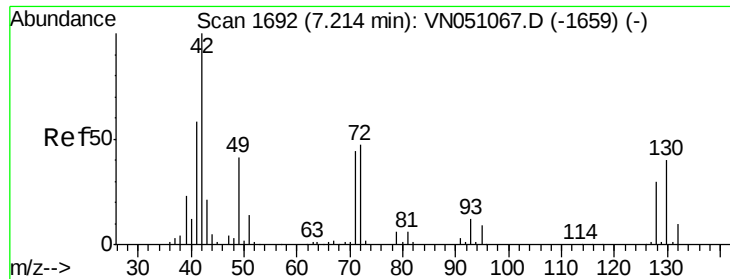
Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Tgt Ion:	49	Resp:	110228
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	87.5	70.7	106.1





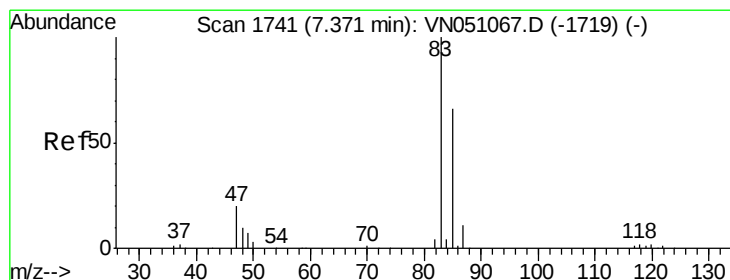
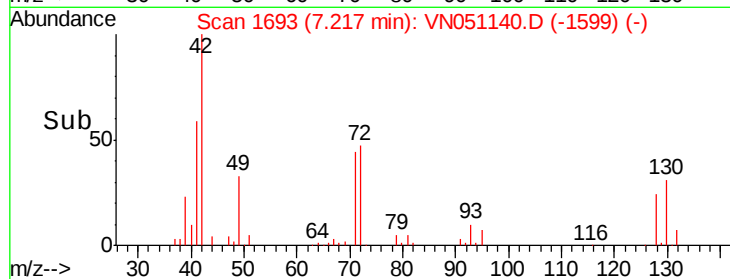
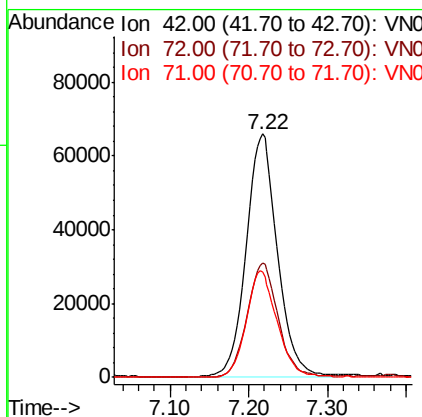
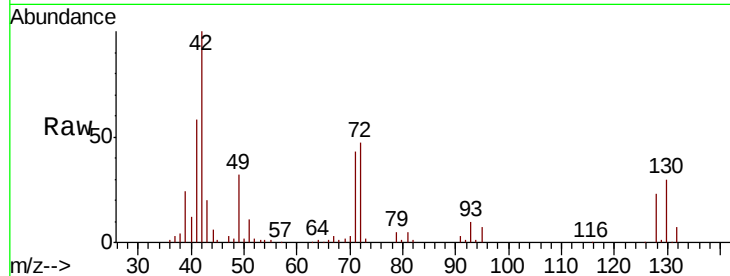
#29
Tetrahydrofuran
Concen: 107.79 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.0
71	43.3	34.7	52.1

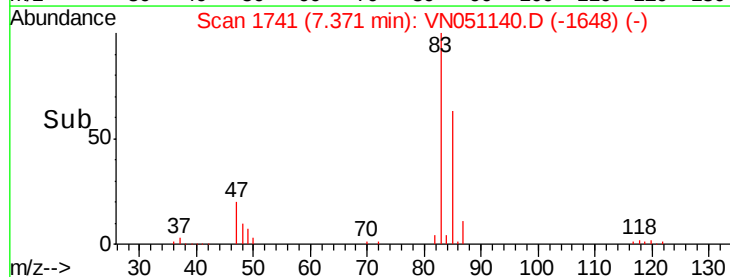
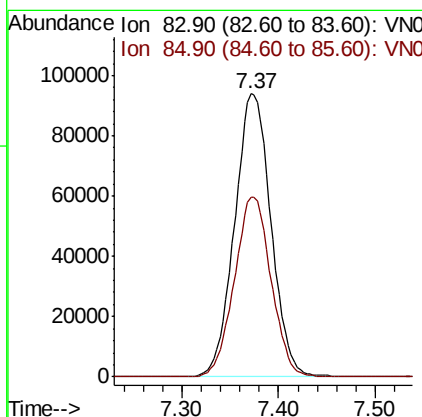
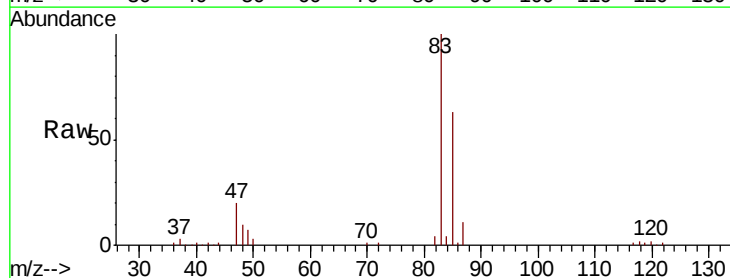
Manual Integrations
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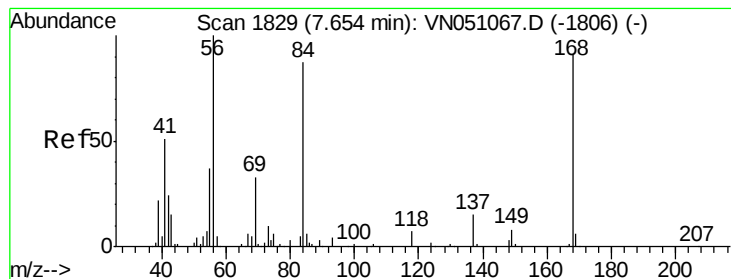
MMDadoda
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#30
Chloroform
Concen: 19.19 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0





#31

Cyclohexane

Concen: 18.45 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

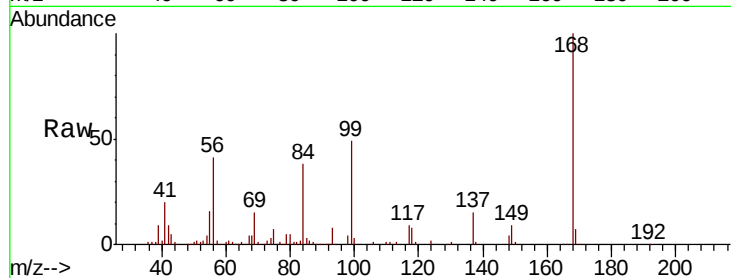
ClientSampled :

VN0912WBS01

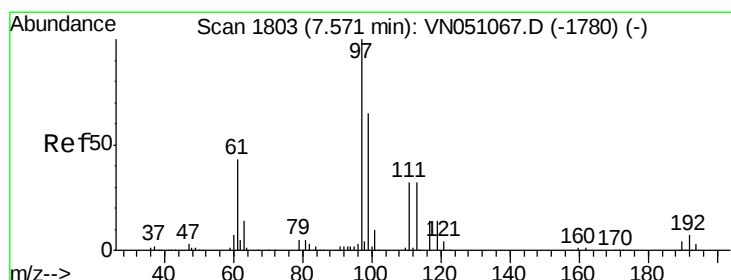
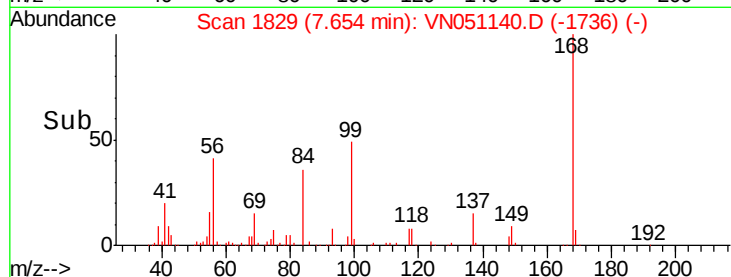
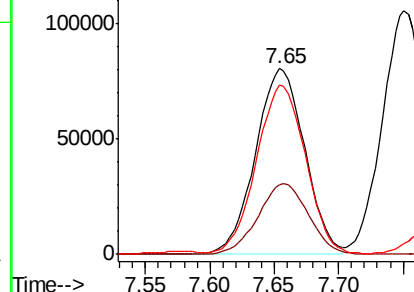
Tot Ion:	56	Resp:	213288
Ion Ratio	Lower	Upper	
56	100		
69	37.4	26.3	39.5
84	90.1	69.4	104.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.11 ug/l

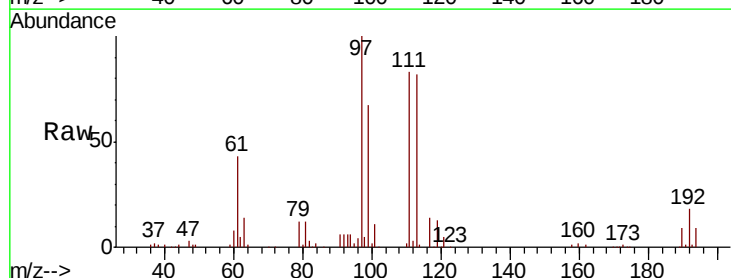
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

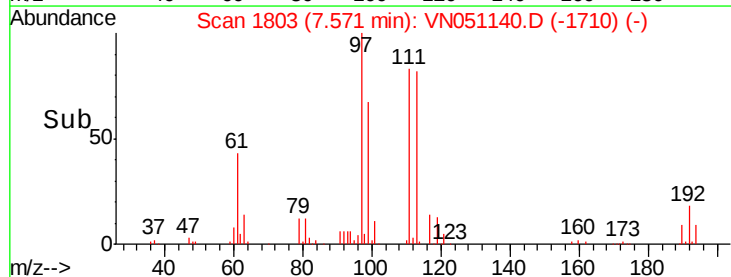
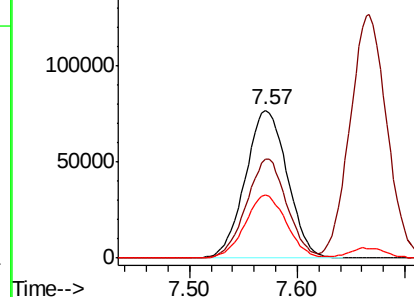
Lab File: VN051140.D

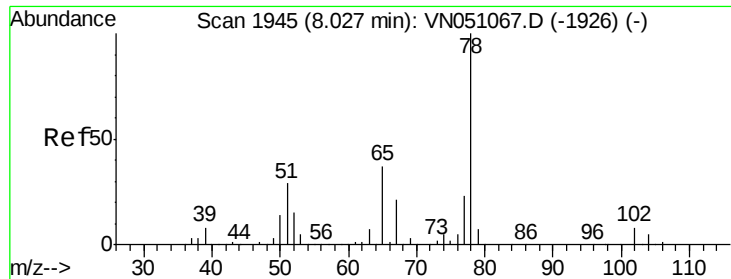
Acq: 12 Sep 2018 10:02

Tgt Ion:	97	Resp:	208379
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.6	77.4
61	41.9	33.8	50.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





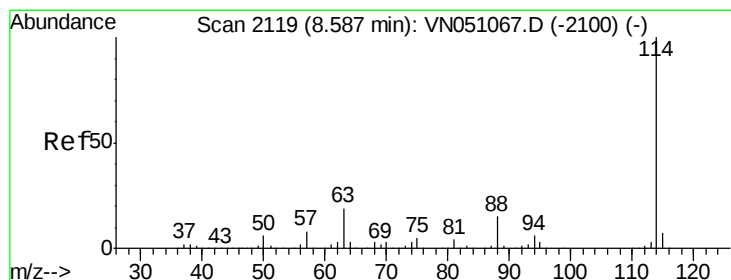
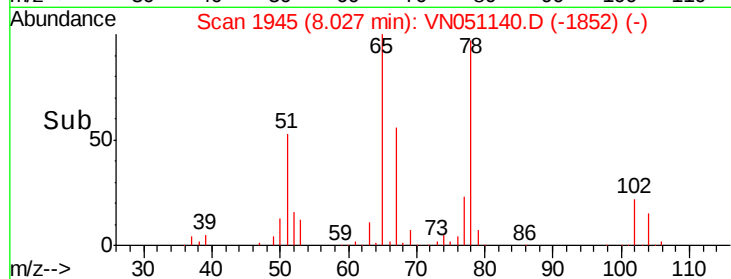
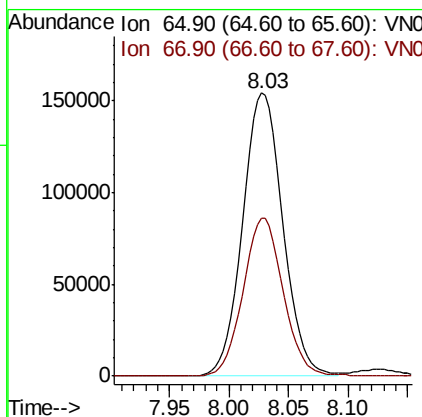
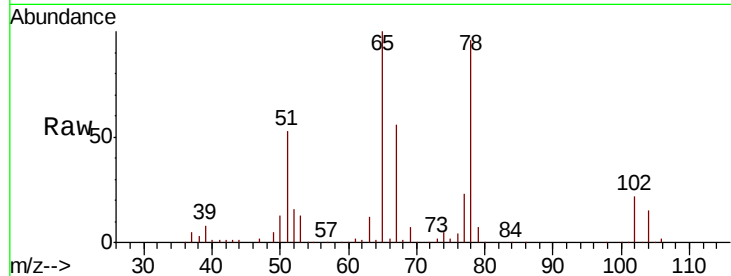
#33
 1,2-Dichloroethane-d4
 Concen: 51.67 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	112.0	

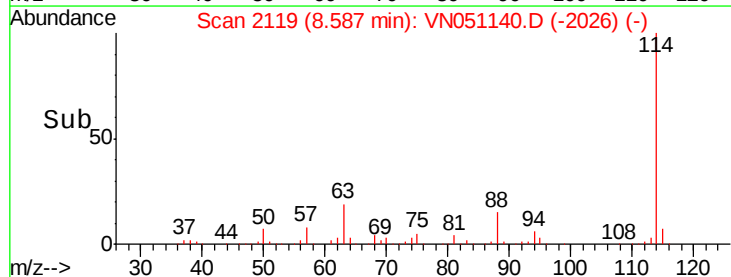
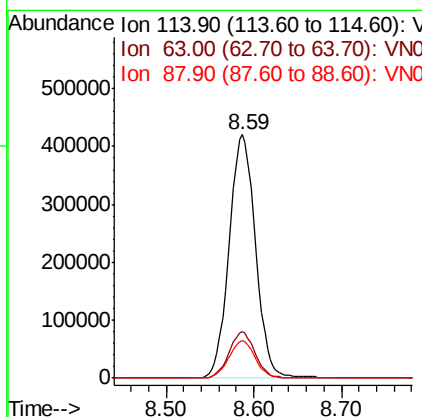
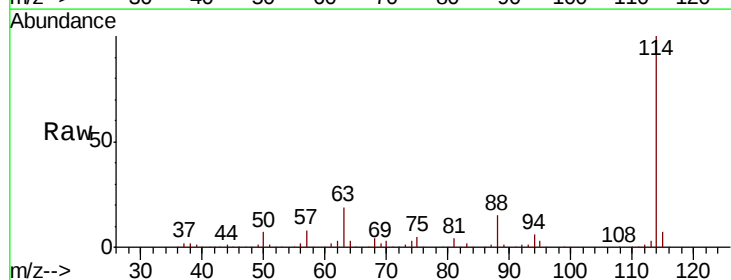
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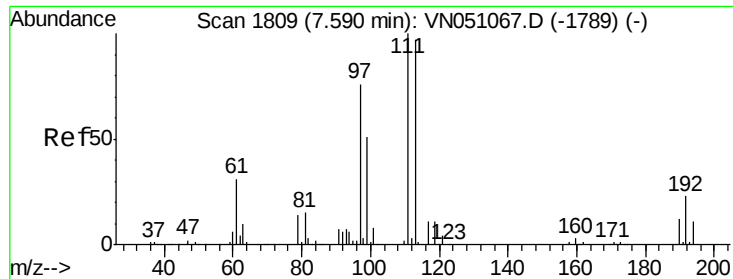
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	37.8	
88	15.4	0.0	30.8	





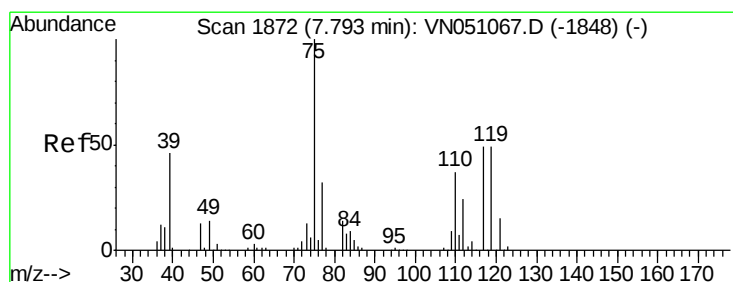
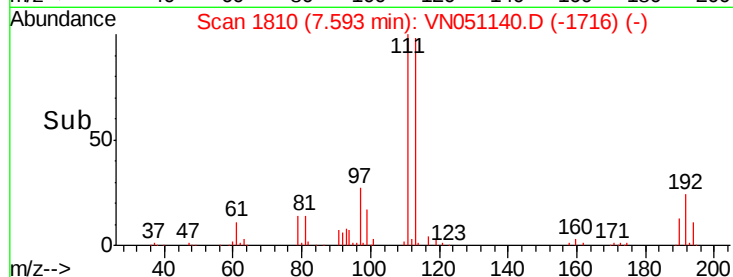
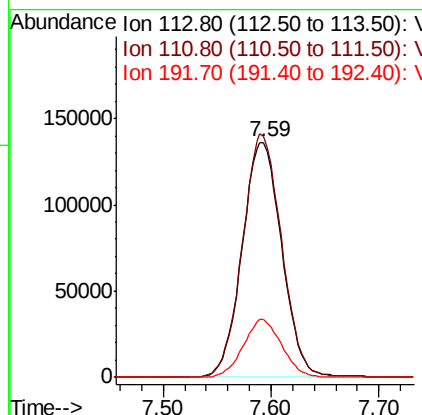
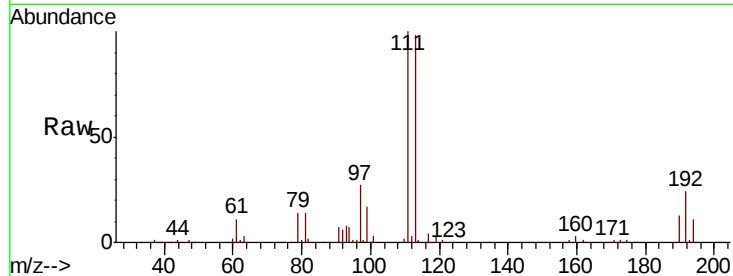
#35
 Dibromofluoromethane
 Concen: 52.50 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	347372		
111	102.3	83.0	124.6	
192	24.0	18.7	28.1	

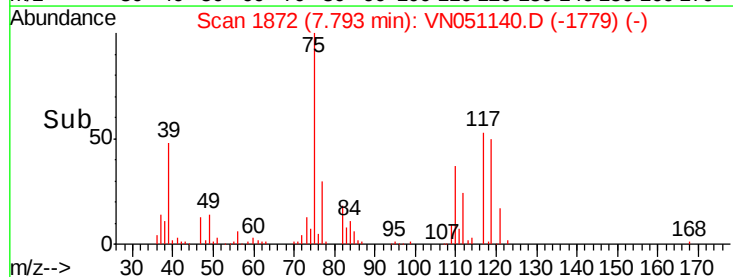
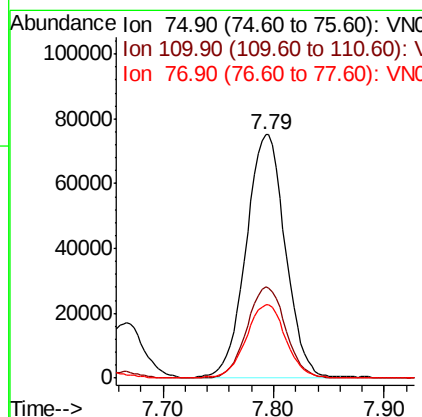
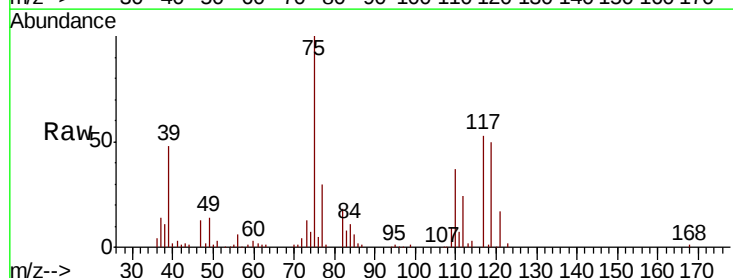
Manual Integrations
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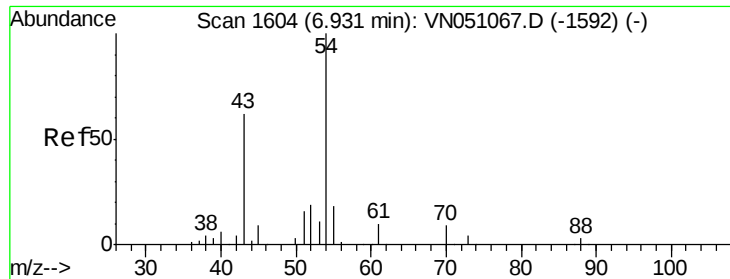
MMDadoda
 9/13/2018 5:20:05 PM



#36
 1,1-Dichloropropene
 Concen: 18.98 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183504		
110	37.3	18.6	55.8	
77	30.9	25.2	37.8	





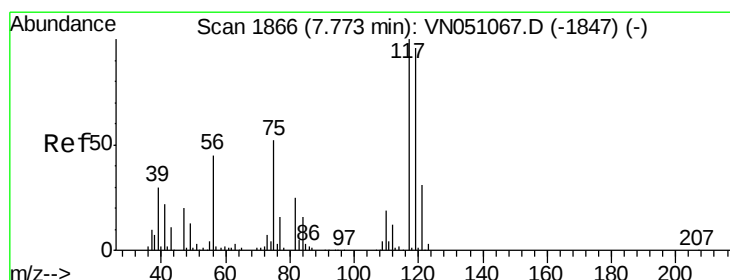
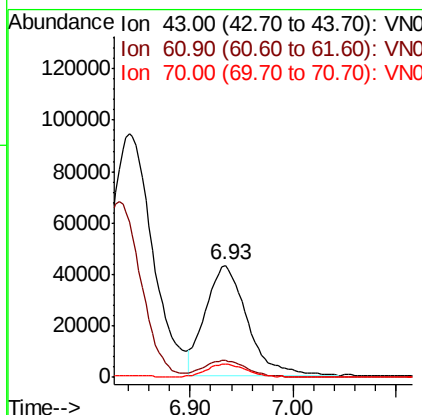
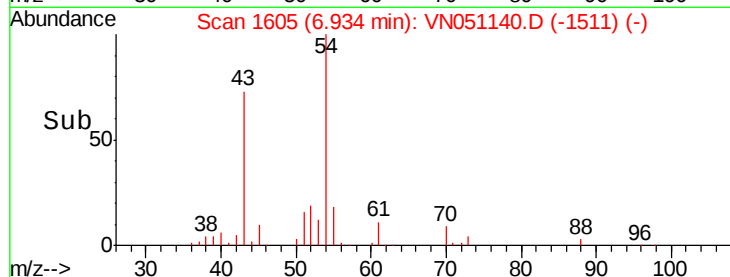
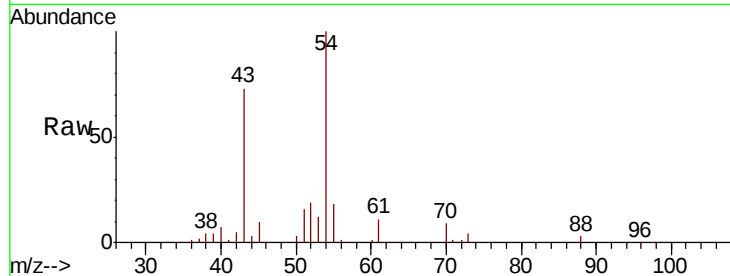
#37
Ethyl Acetate
Concen: 21.66 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	11.8	9.3	13.9

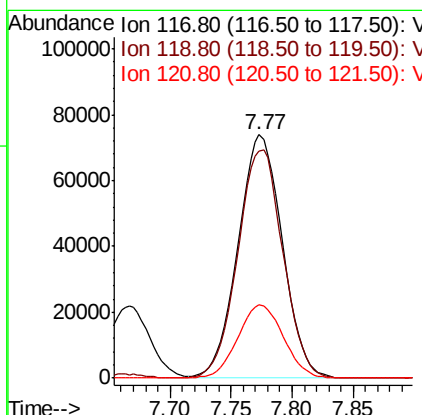
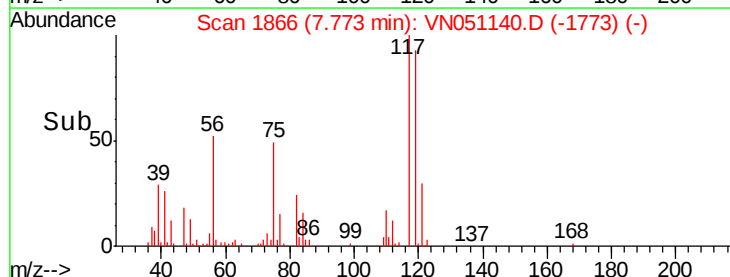
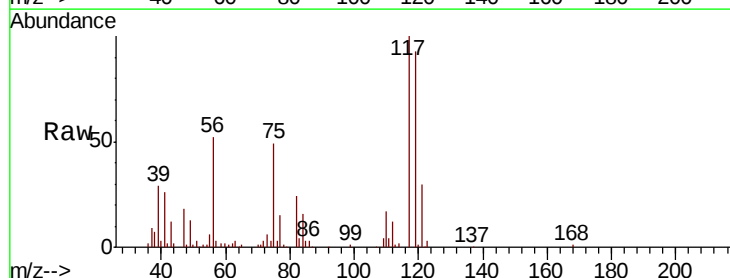
Manual Integrations
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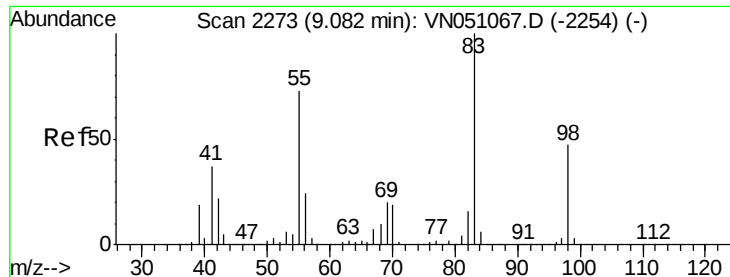
MMDadoda
9/13/2018 5:20:05 PM



#38
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.8	115.2
121	30.0	24.6	36.8





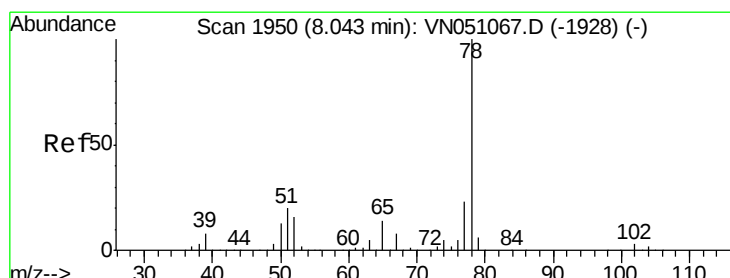
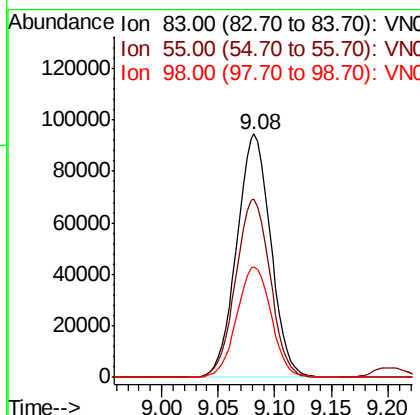
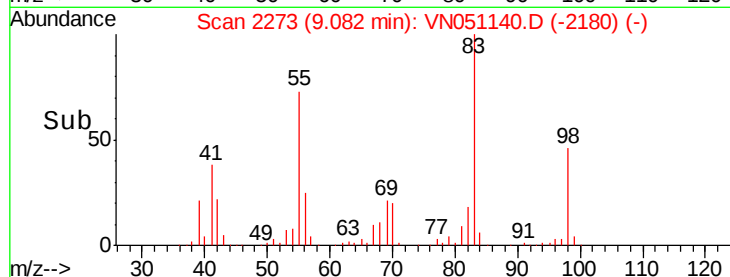
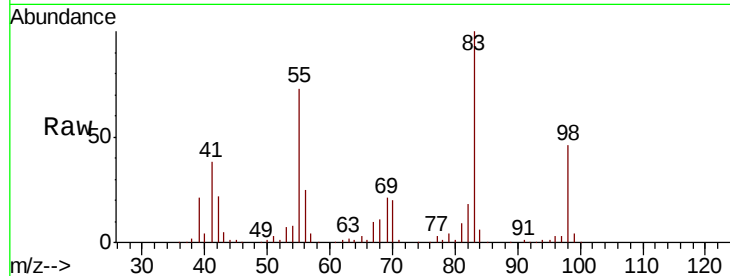
#39
Methvlcvclohexane
Concen: 18.55 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	83.00	Resp	197843
Ion Ratio	Lower	Upper	
83	100		
55	73.4	58.4	87.6
98	45.6	37.3	55.9

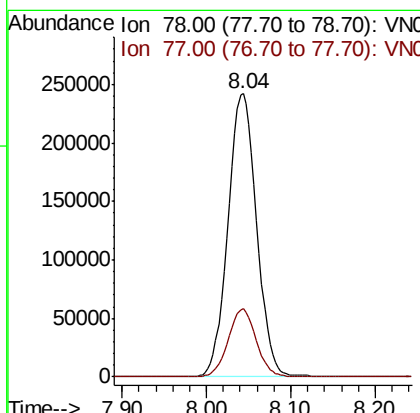
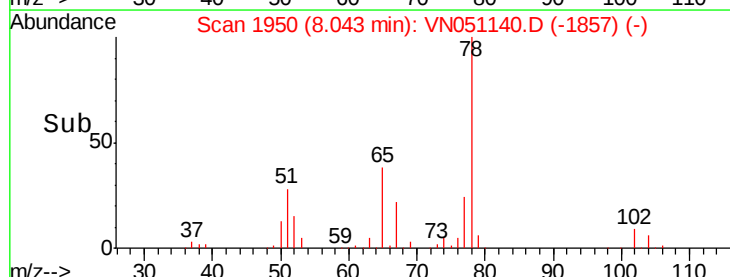
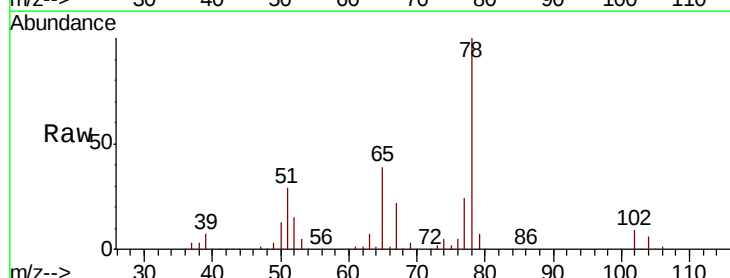
Manual Integrations
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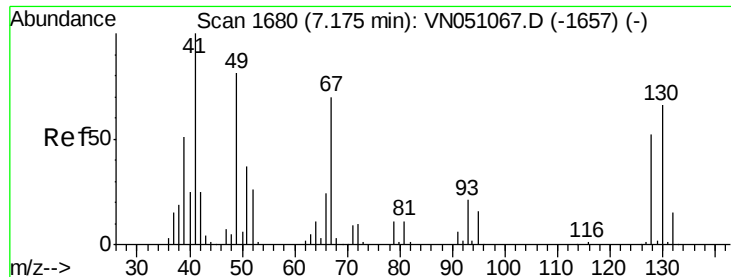
MMDadoda
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#40
Benzene
Concen: 19.63 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	78.00	Resp	571940
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.6	27.8





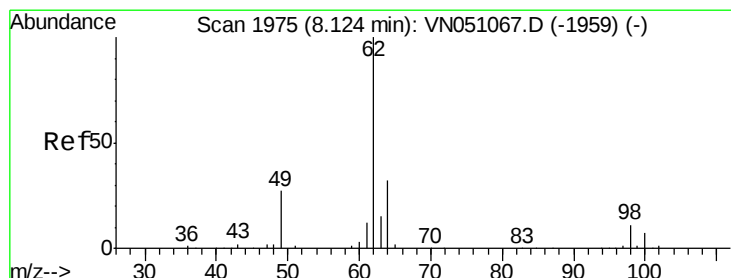
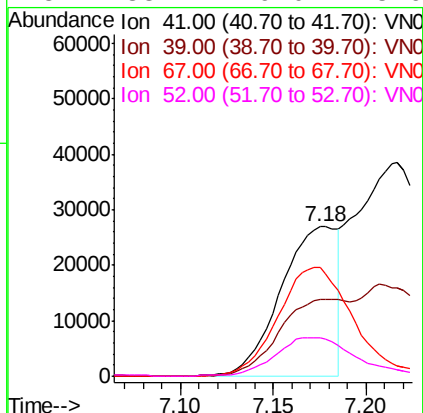
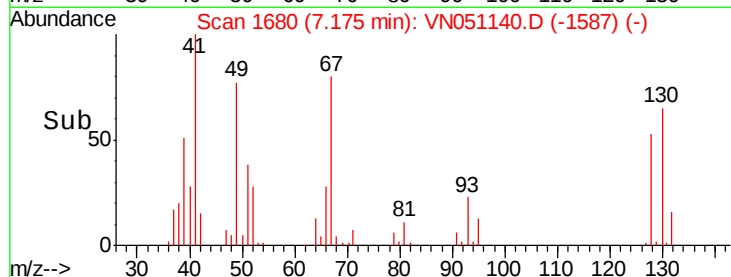
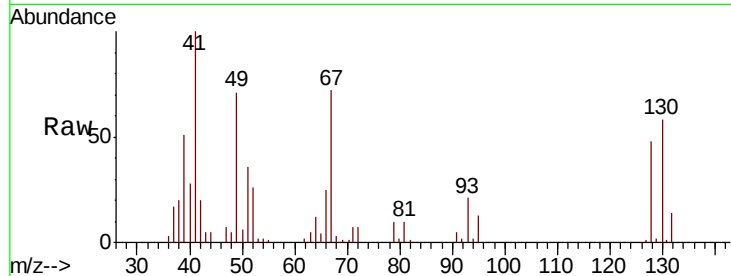
#41
Methacrylonitrile
Concen: 19.87 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.9	51.3	76.9
67	97.4	78.5	117.7
52	38.1	29.0	43.6

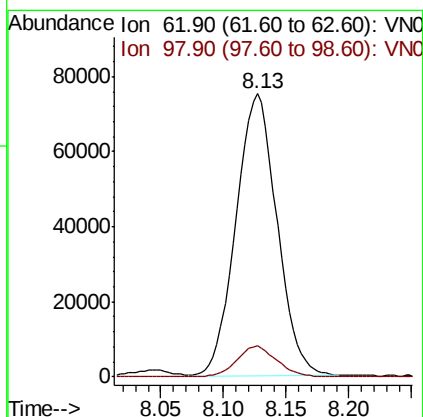
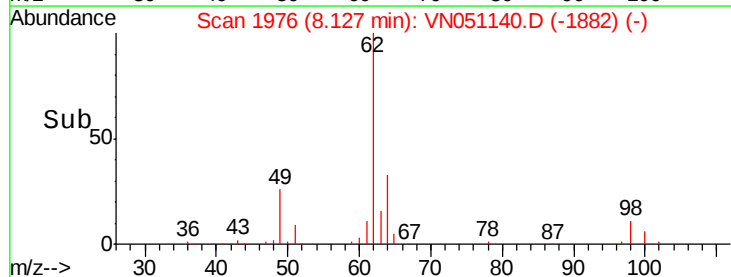
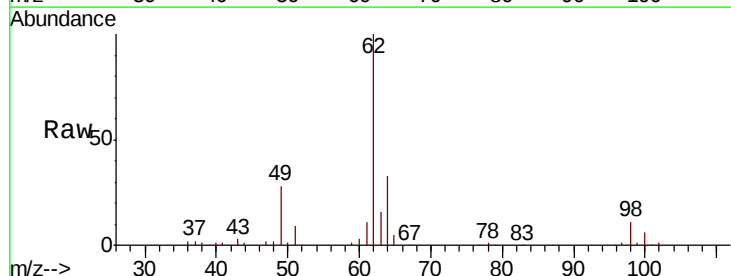
Manual Integrations
APPROVED

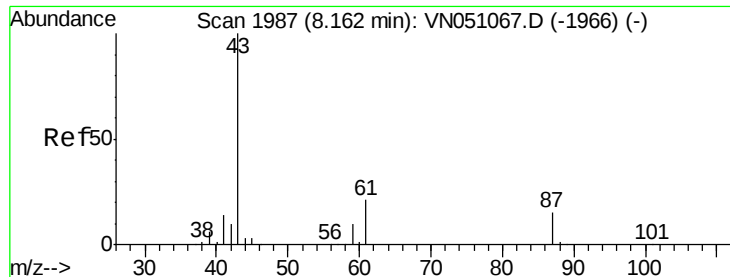
MMDadoda
9/13/2018 5:20:05 PM



#42
1,2-Dichloroethane
Concen: 20.06 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43

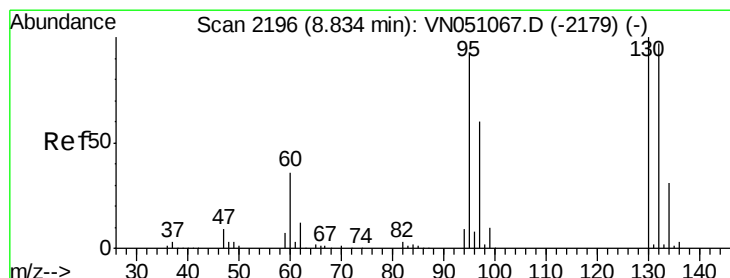
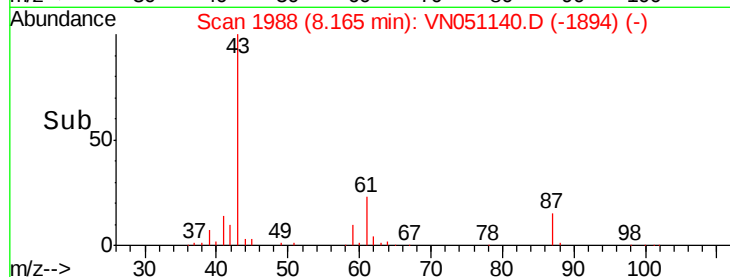
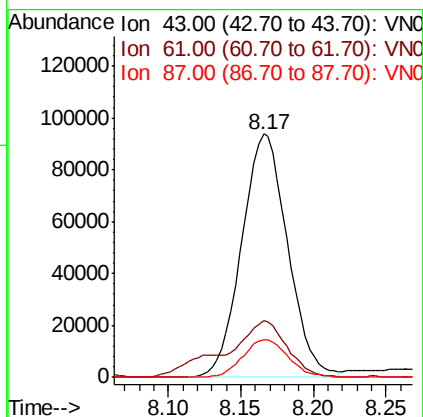
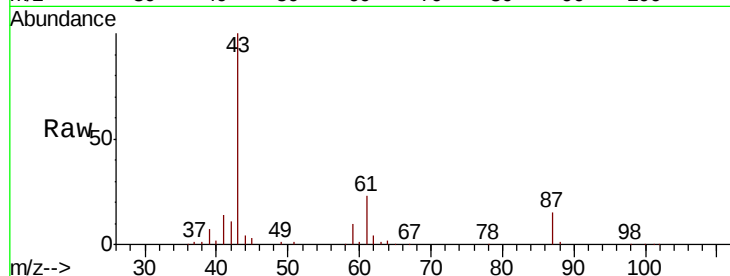
Isopropyl Acetate
 Concen: 20.81 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.0	37.6
87	15.5	11.8	17.8

Manual Integrations
 APPROVED

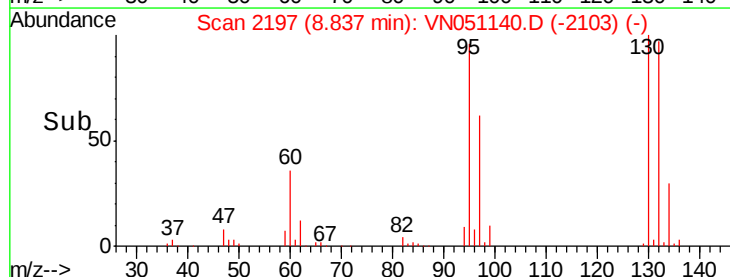
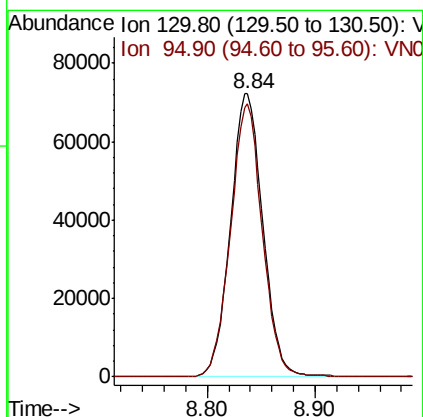
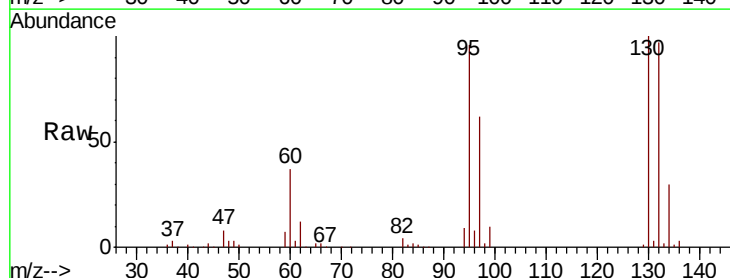
MMDadoda
 9/13/2018 5:20:05 PM

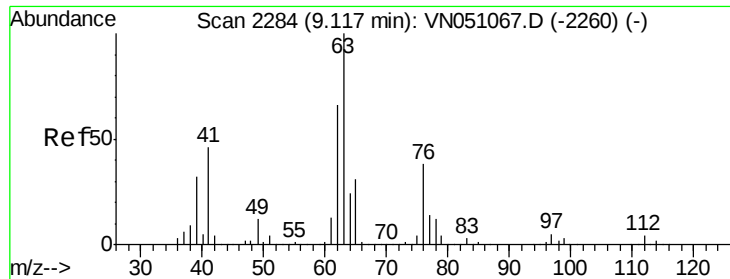


#44

Trichloroethene
 Concen: 18.92 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	186.2





#45

1,2-Dichloropropane

Concen: 19.79 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

Tot Ion: 63 Resp: 148977

Ion Ratio Lower Upper

63 100

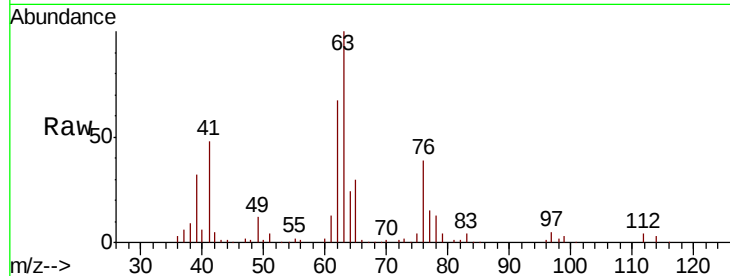
65 30.2 24.7 37.1

Manual Integrations

APPROVED

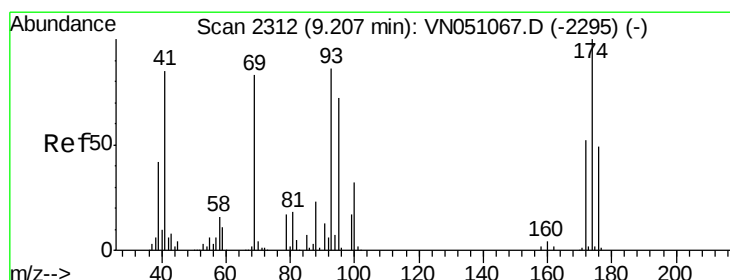
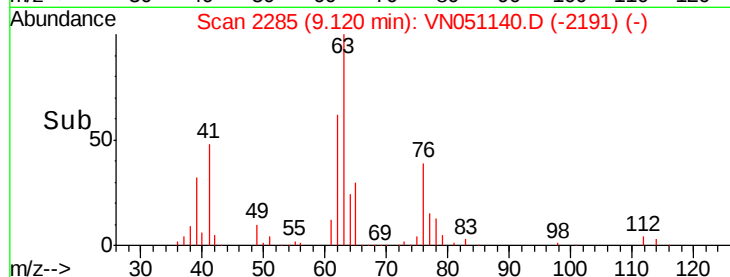
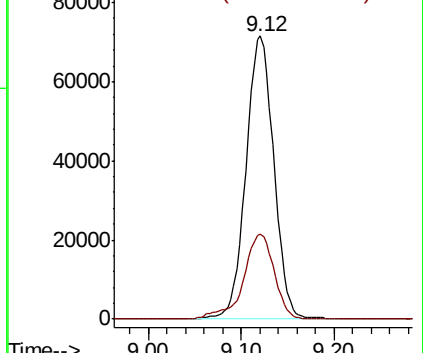
MMDadoda

9/13/2018 5:20:05 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.75 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

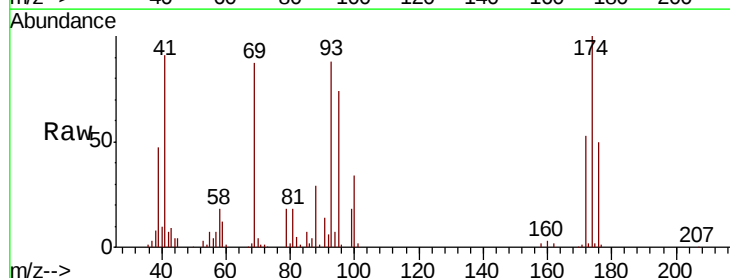
Tgt Ion: 93 Resp: 90714

Ion Ratio Lower Upper

93 100

95 84.2 66.8 100.2

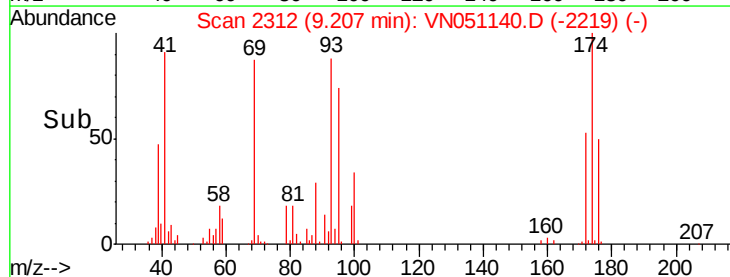
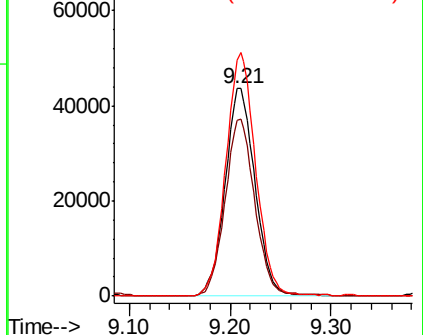
174 115.8 93.3 139.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.20 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

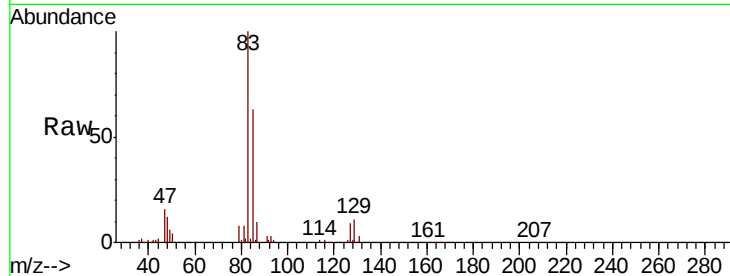
ClientSampleId :

VN0912WBS01

Tot Ion:	83	Resp:	188593
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5
127	8.8	7.5	11.3

Manual Integrations
APPROVED

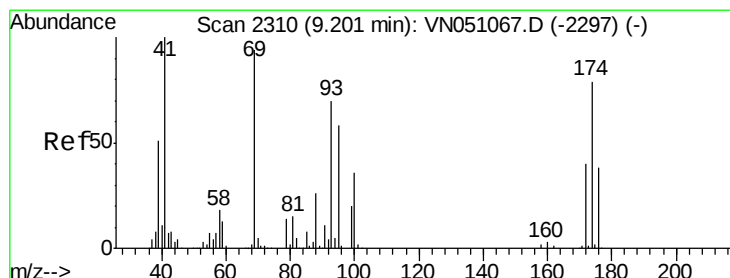
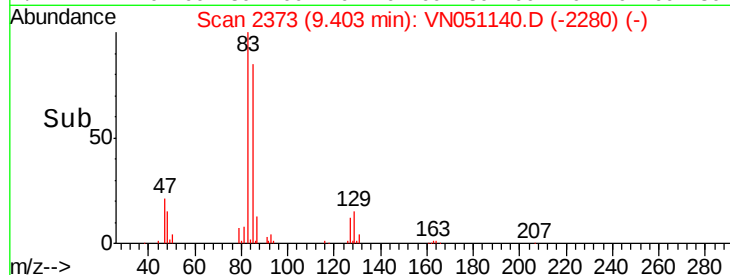
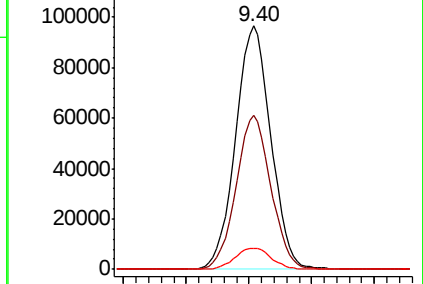
MMDadoda
9/13/2018 5:20:05 PM



Abundance Ion 82.90 (82.60 to 83.60): VN051140.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051140.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051140.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.02 ug/l

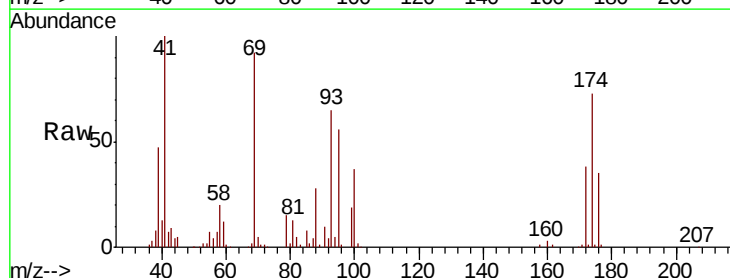
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

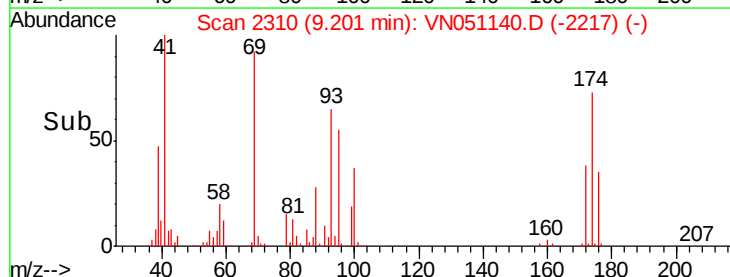
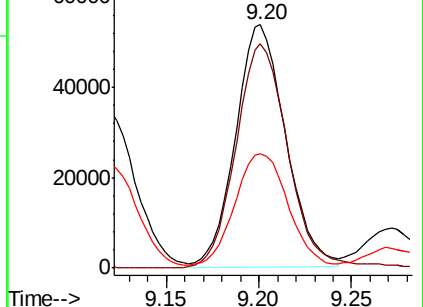
Tgt Ion:	41	Resp:	101196
Ion	Ratio	Lower	Upper
41	100		
69	96.3	77.7	116.5
39	49.8	41.6	62.4

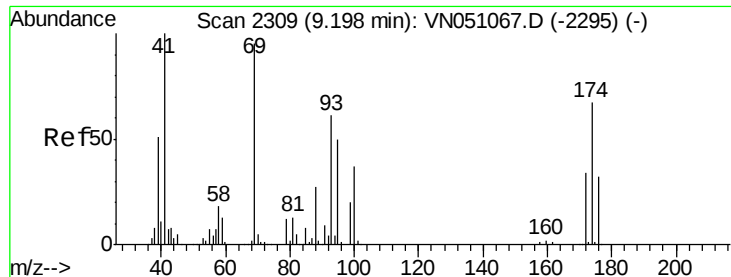


Abundance Ion 41.00 (40.70 to 41.70): VN051140.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051140.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051140.D (-2217) (-)





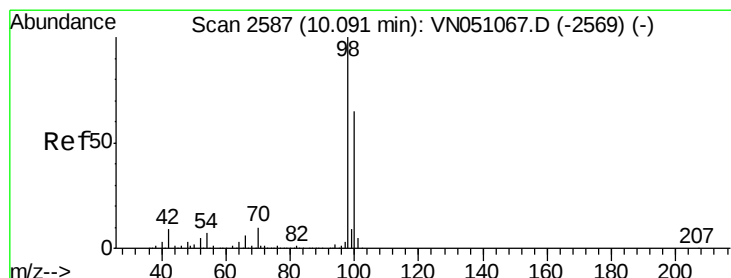
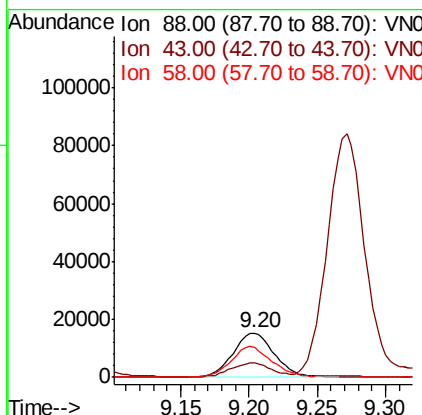
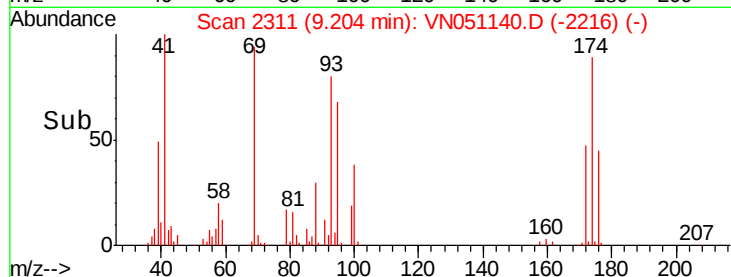
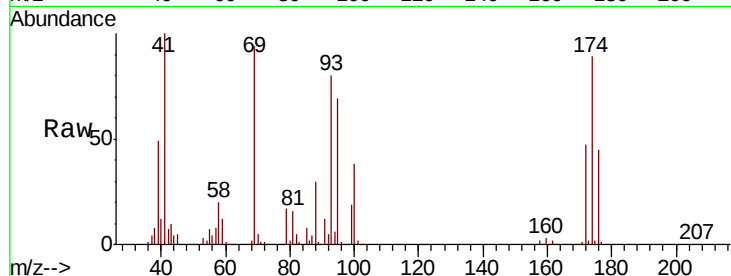
#49
1,4-Dioxane
Concen: 428.63 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

Tot Ion	88	Resp	32358
Ion Ratio	100	Lower	Upper
88	100		
43	29.0	23.7	35.5
58	67.8	54.6	82.0

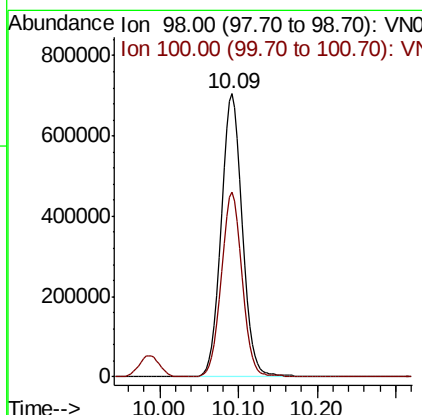
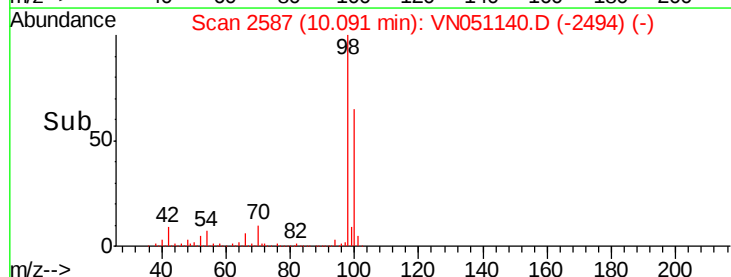
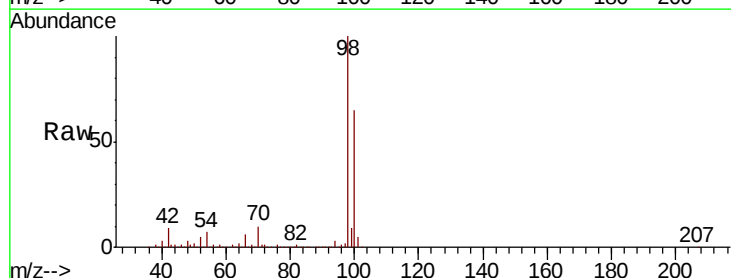
Manual Integrations
APPROVED

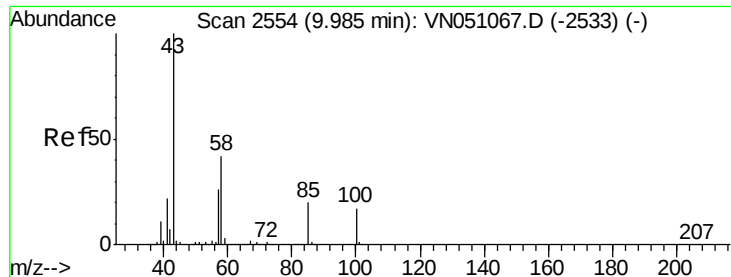
MMDadoda
9/13/2018 5:20:05 PM



#50
Toluene-d8
Concen: 51.85 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	98	Resp	1301654
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	52.0	78.0





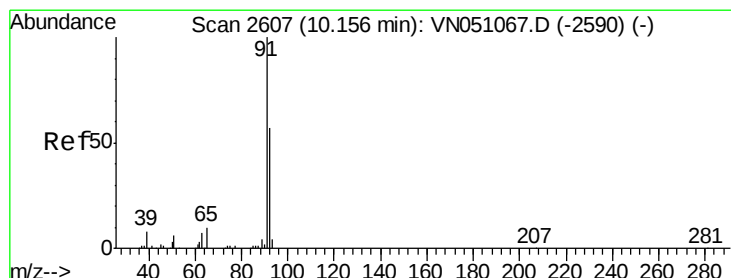
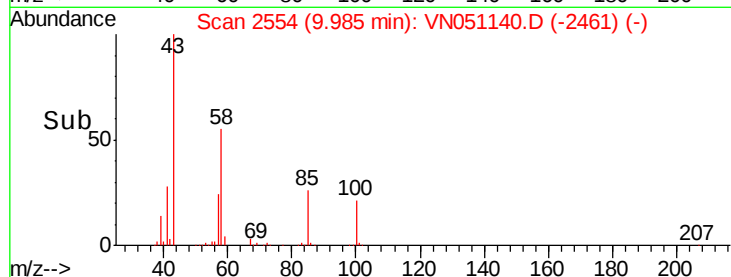
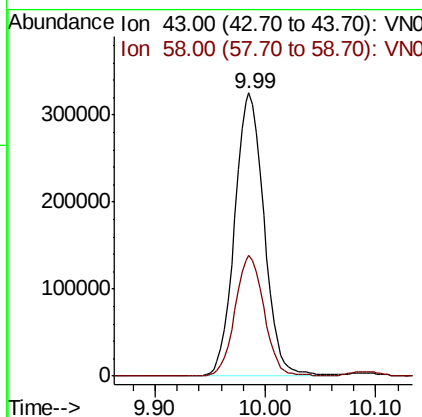
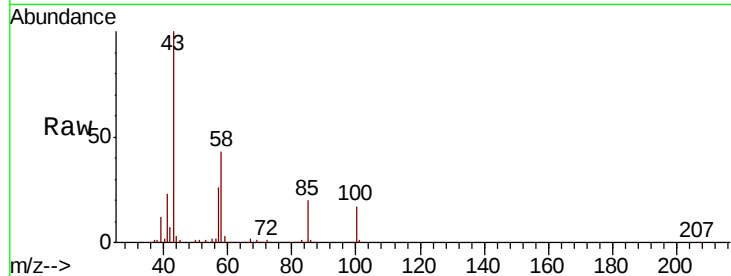
#51
4-Methyl-2-Pentanone
Concen: 109.78 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	43	Resp	599725
Ion	Ratio	Lower	Upper
43	100		
58	42.1	33.5	50.3

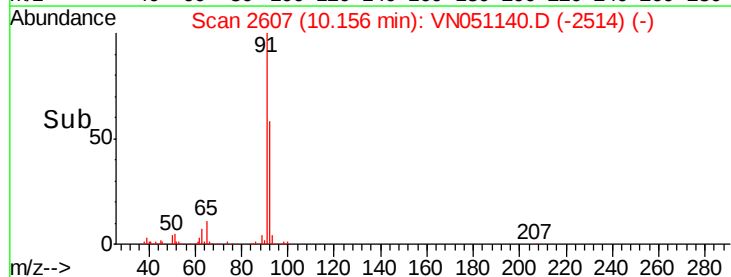
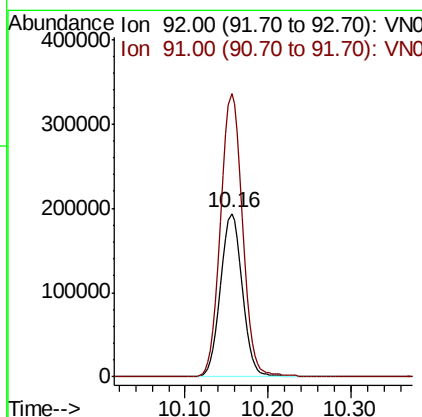
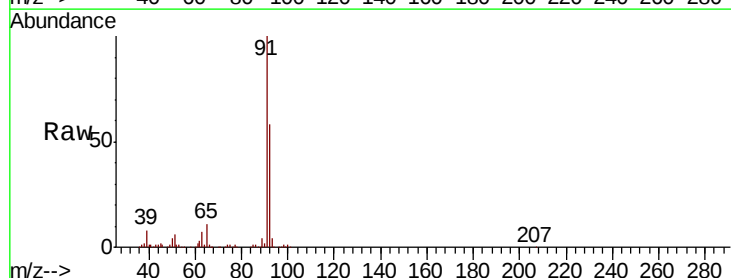
Manual Integrations
APPROVED

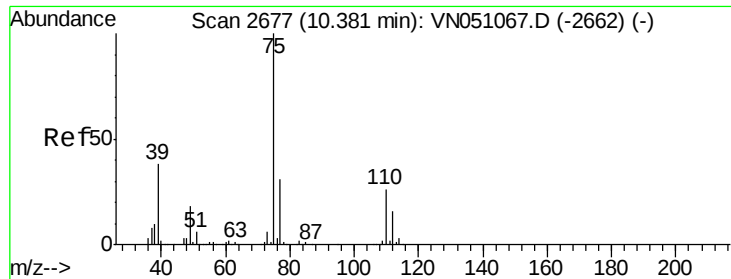
MMDadoda
9/13/2018 5:20:05 PM



#52
Toluene
Concen: 19.83 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	92	Resp	352225
Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 19.33 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

Tot Ion: 75 Resp: 180669

Ion Ratio Lower Upper

75 100

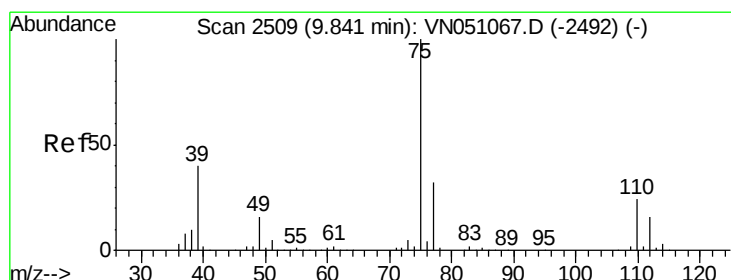
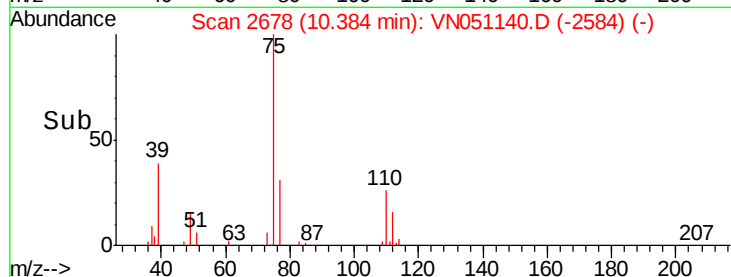
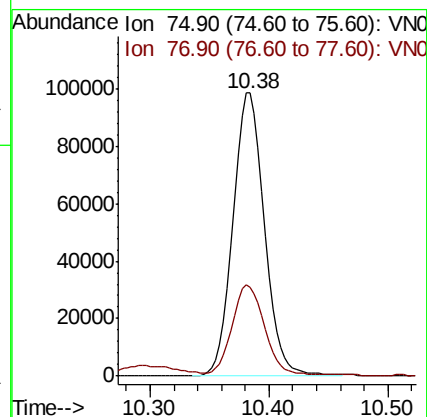
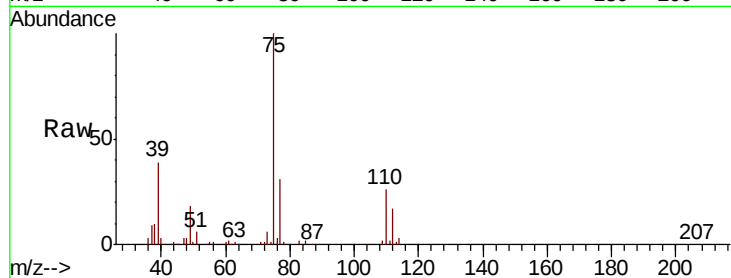
77 30.9 25.3 37.9

Manual Integrations

APPROVED

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9/13/2018 5:20:05 PM



#54

cis-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

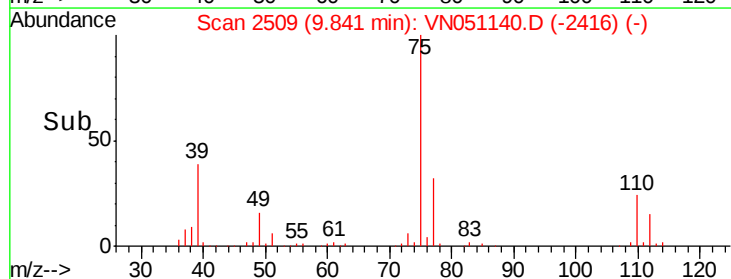
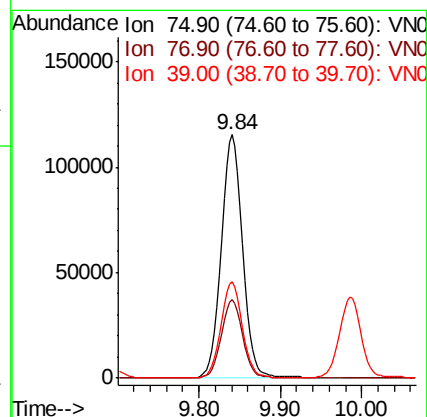
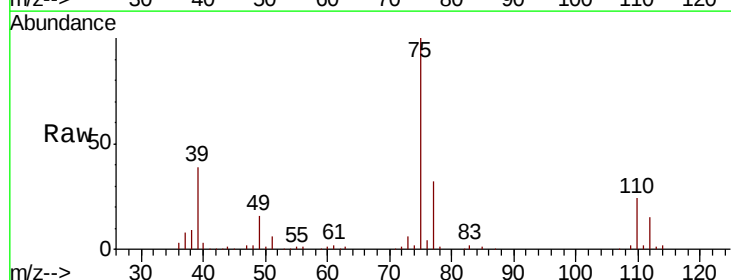
Tgt Ion: 75 Resp: 214488

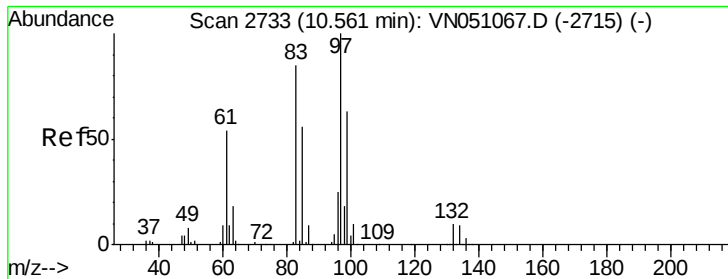
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 39.2 31.9 47.9





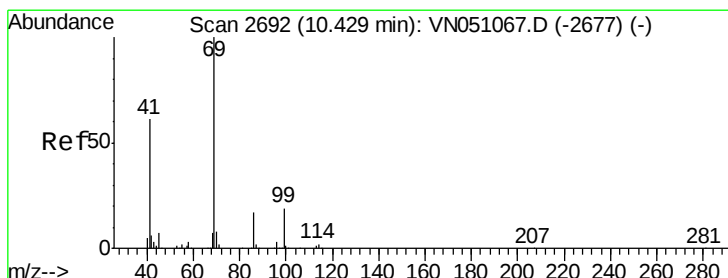
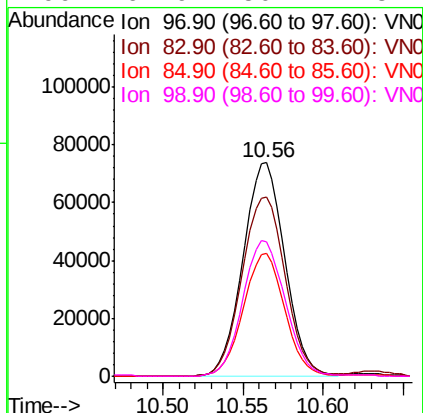
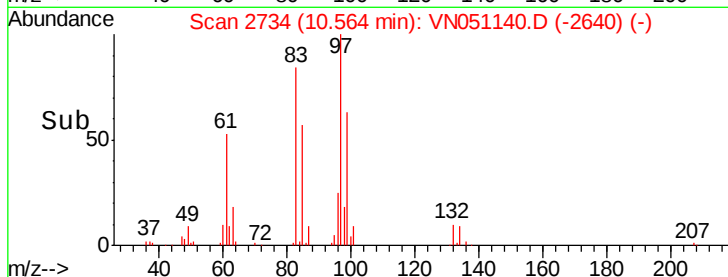
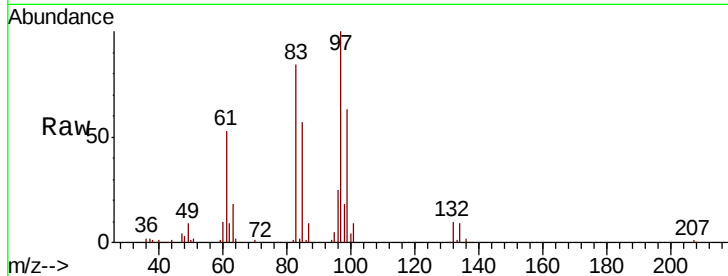
#55
 1,1,2-Trichloroethane
 Concen: 20.45 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBS01

Tot Ion:	97	Resp:	131928
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.2
85	57.4	44.8	67.2
99	62.9	50.2	75.4

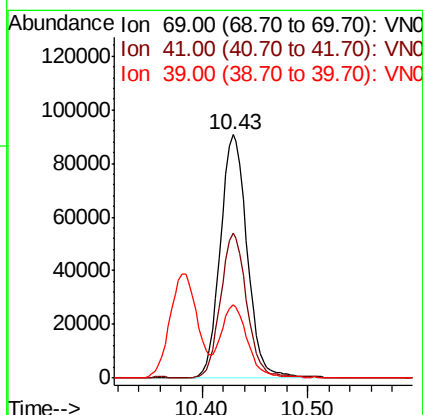
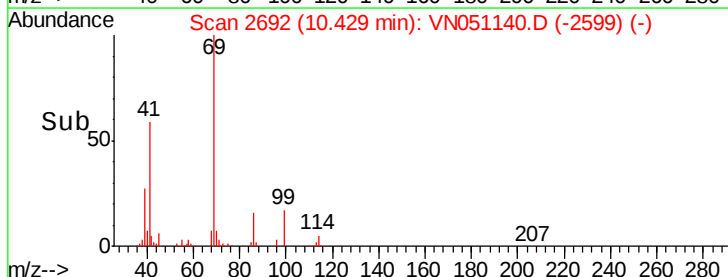
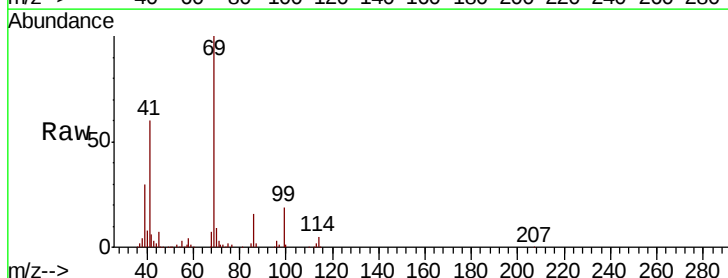
Manual Integrations
 APPROVED

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 9/13/2018 5:20:05 PM



#56
 Ethyl methacrylate
 Concen: 20.03 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion:	69	Resp:	160078
Ion	Ratio	Lower	Upper
69	100		
41	57.8	47.8	71.8
39	29.8	23.0	34.4





#57

1,3-Dichloropropane

Concen: 20.31 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

Tot Ion: 76 Resp: 217223

Ion Ratio Lower Upper

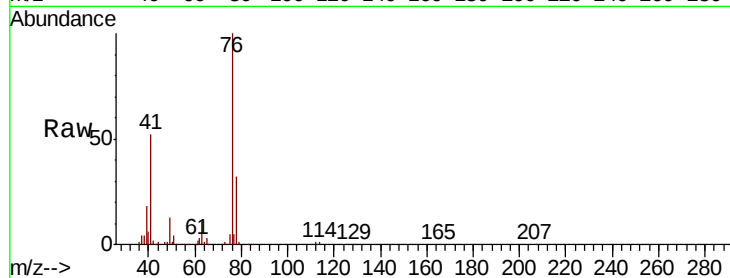
76 100

78 32.3 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

9/13/2018 5:20:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

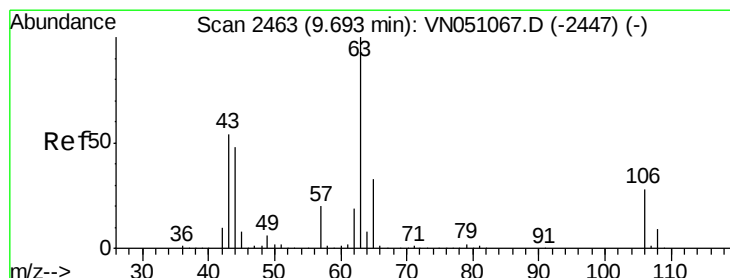
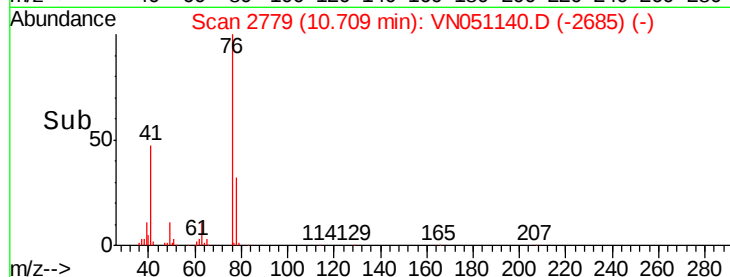
10.71

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 96.95 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051140.D

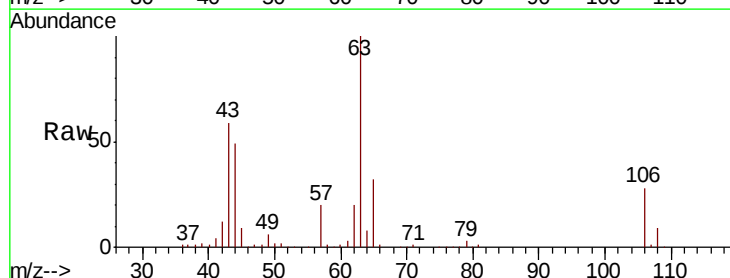
Acq: 12 Sep 2018 10:02

Tgt Ion: 63 Resp: 316743

Ion Ratio Lower Upper

63 100

106 28.1 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

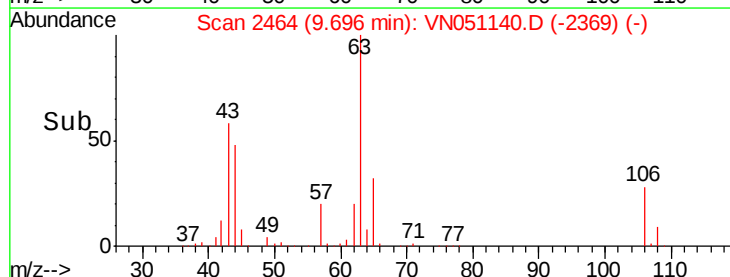
150000

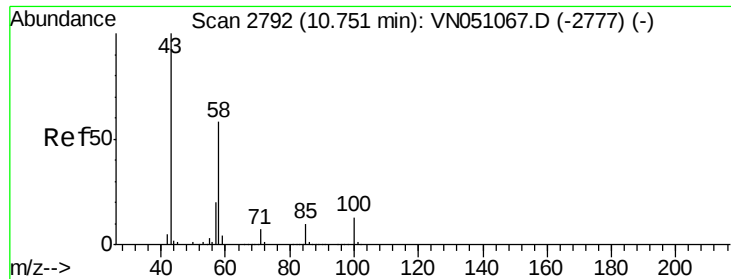
100000

50000

0

Time--> 9.60 9.70 9.80





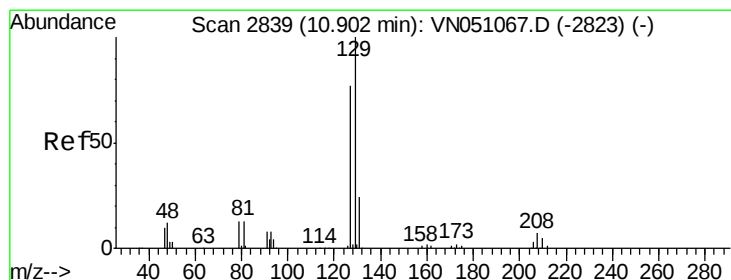
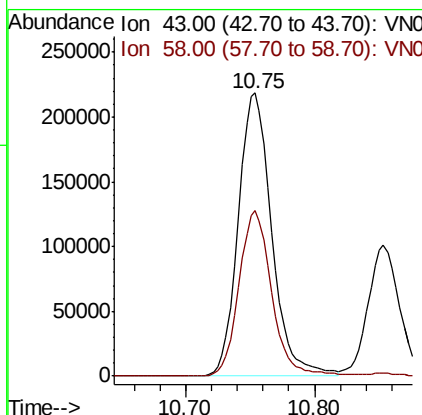
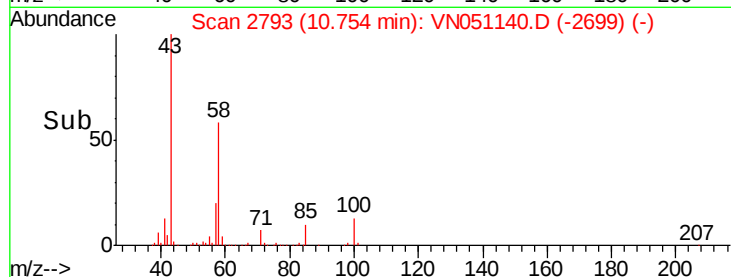
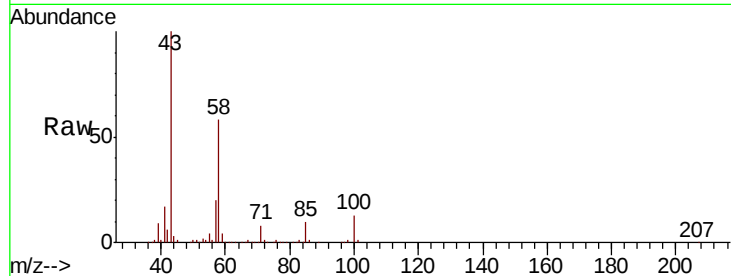
#59
2-Hexanone
Concen: 106.31 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	29.3	88.0

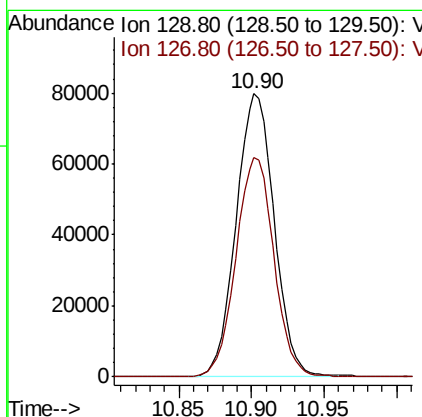
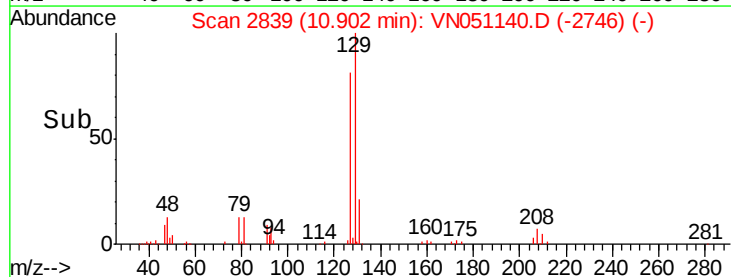
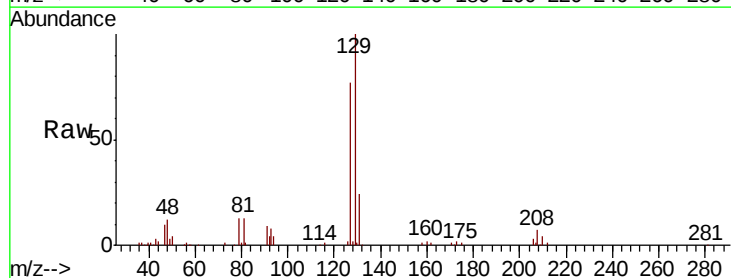
Manual Integrations
APPROVED

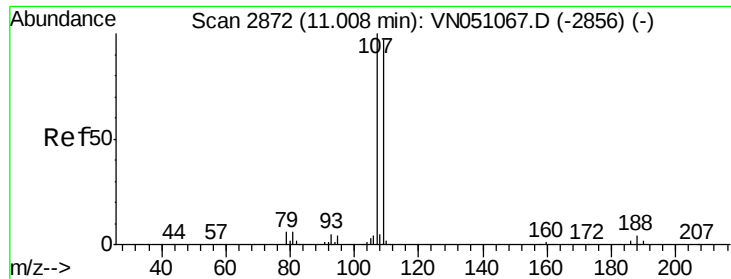
MMDadoda
9/13/2018 5:20:05 PM



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.48 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 107 Resp: 129152

Ion Ratio Lower Upper

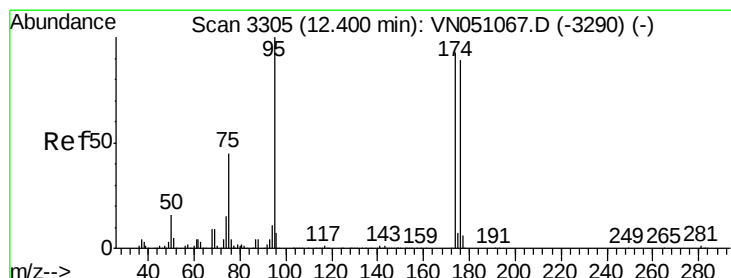
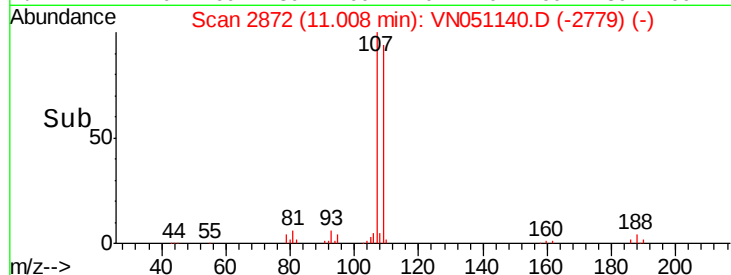
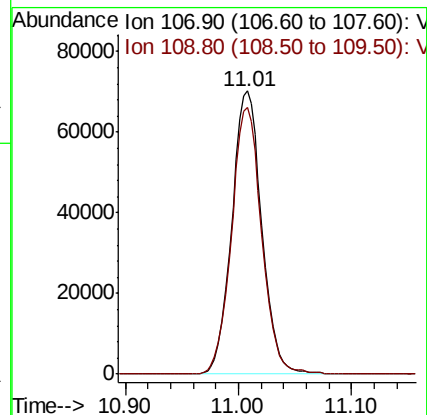
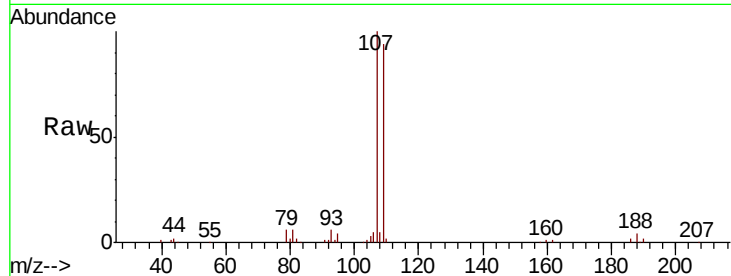
107 100

109 95.0 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

9/13/2018 5:20:05 PM



#62

4-Bromofluorobenzene

Concen: 51.15 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

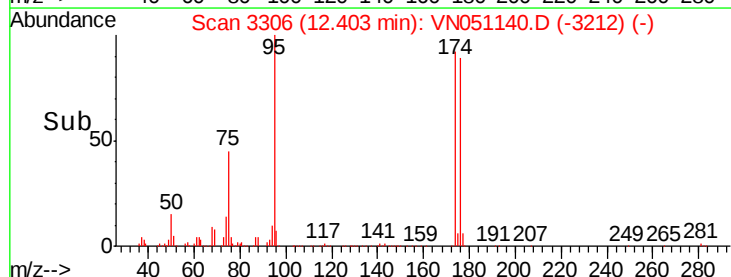
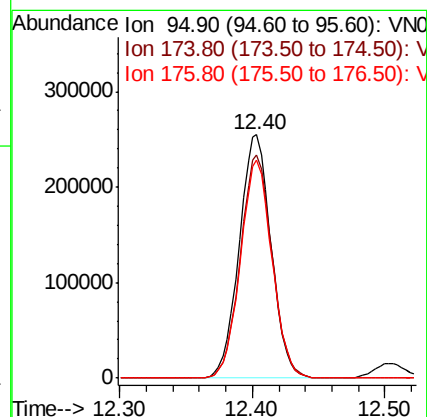
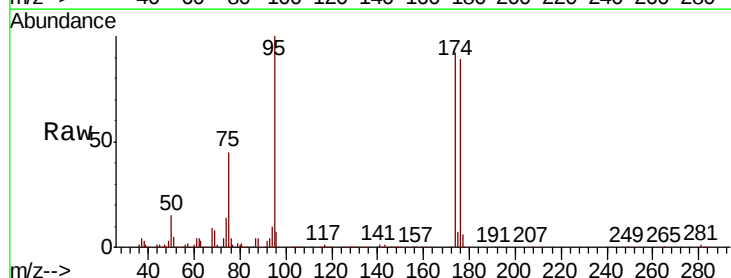
Tgt Ion: 95 Resp: 424824

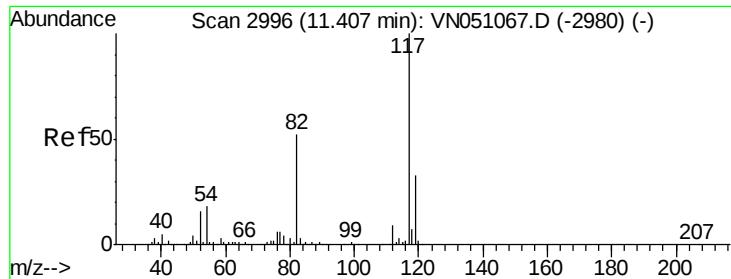
Ion Ratio Lower Upper

95 100

174 91.5 0.0 184.8

176 88.7 0.0 178.6





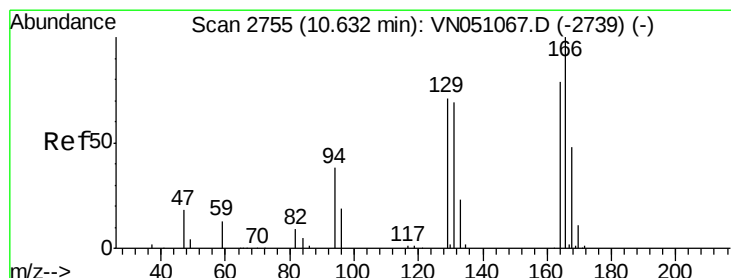
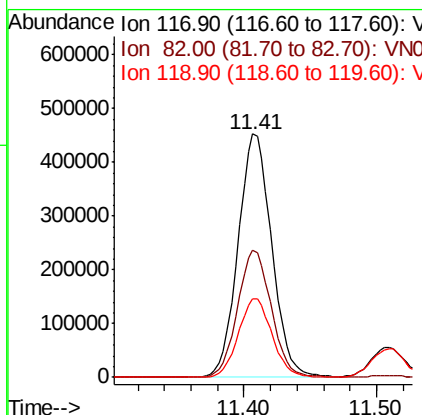
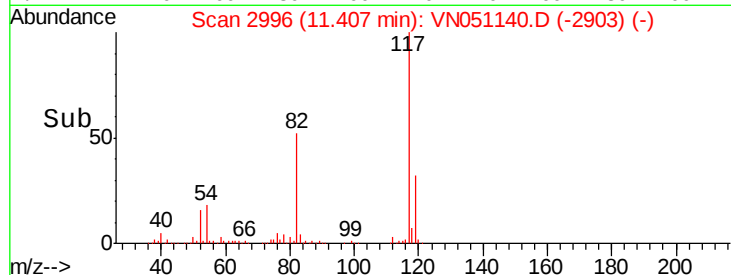
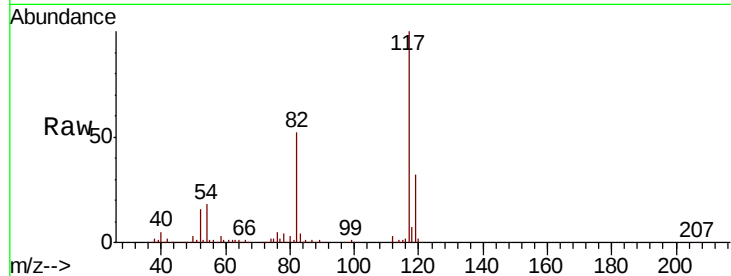
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.6
119	32.2	26.2	39.2

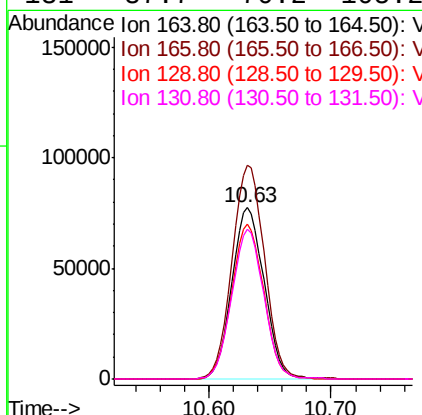
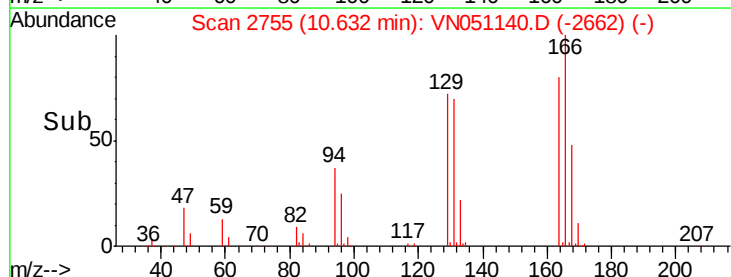
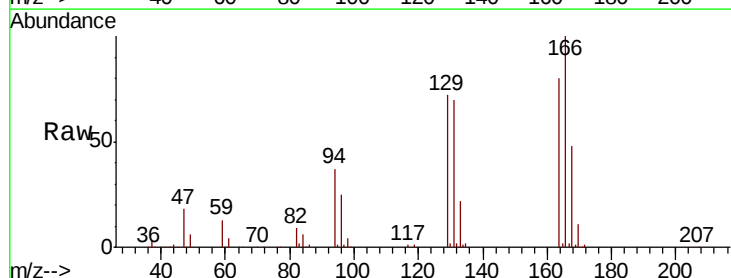
Manual Integrations
APPROVED

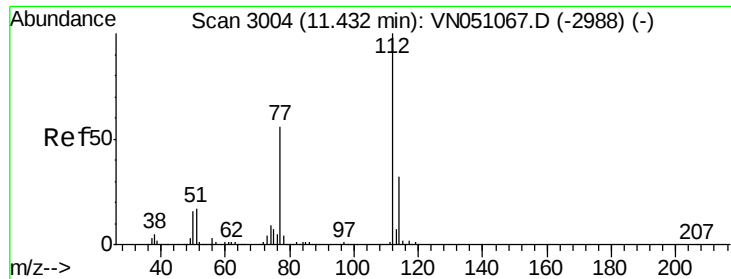
MMDadoda
9/13/2018 5:20:05 PM



#64
Tetrachloroethene
Concen: 19.57 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	101.3	151.9
129	90.1	72.2	108.2
131	87.7	70.2	105.2





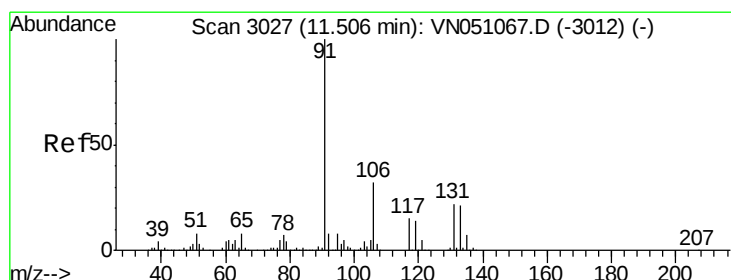
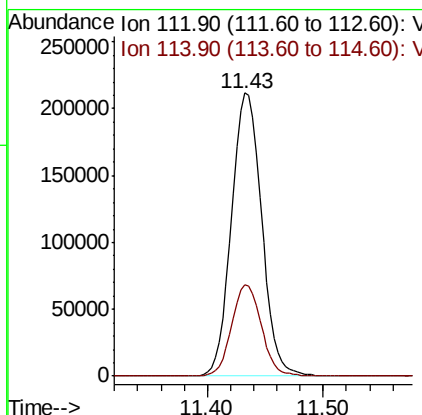
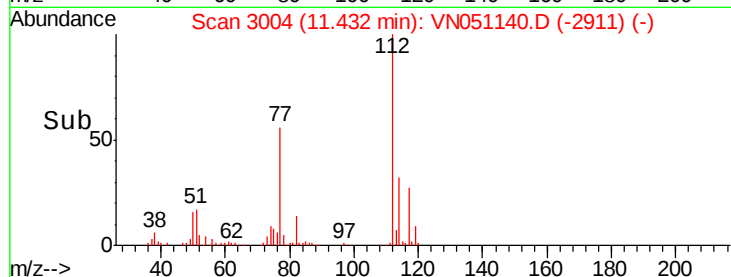
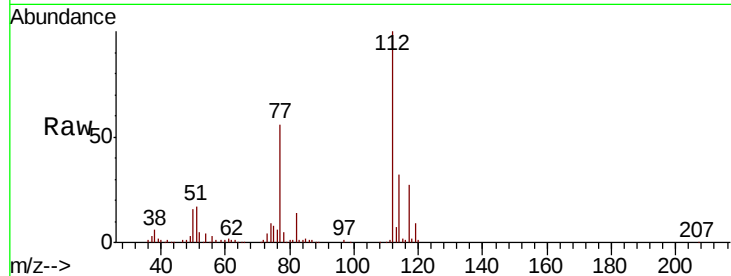
#65
Chlorobenzene
Concen: 19.03 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	382445		
114	32.5	25.8	38.6	

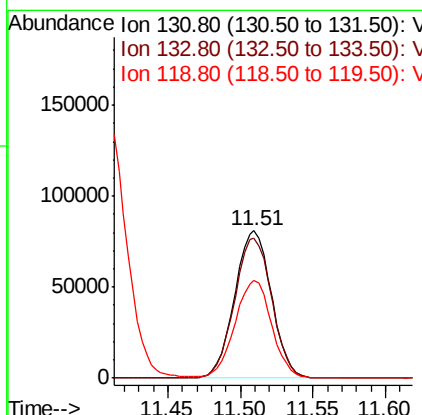
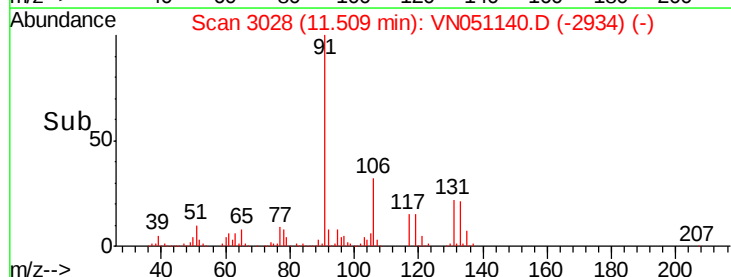
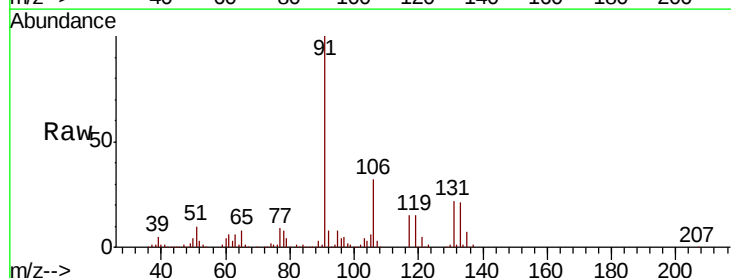
Manual Integrations
APPROVED

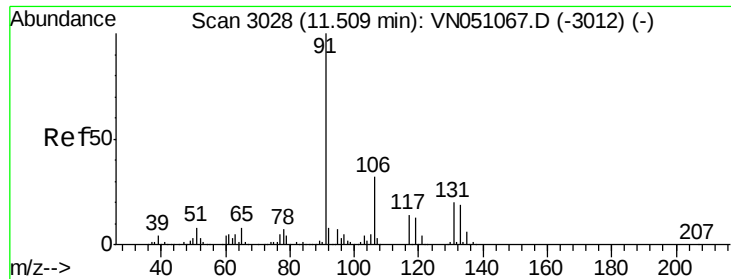
MMDadoda
9/13/2018 5:20:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.71 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	142618		
133	96.6	47.5	142.6	
119	66.4	33.2	99.6	





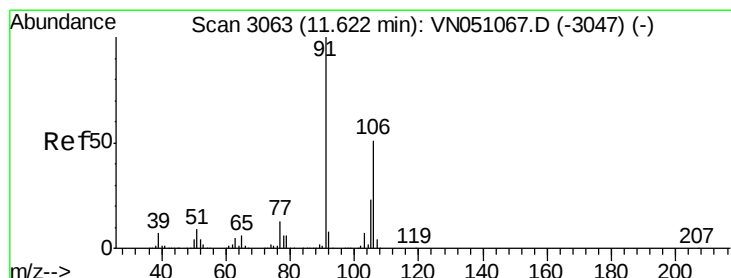
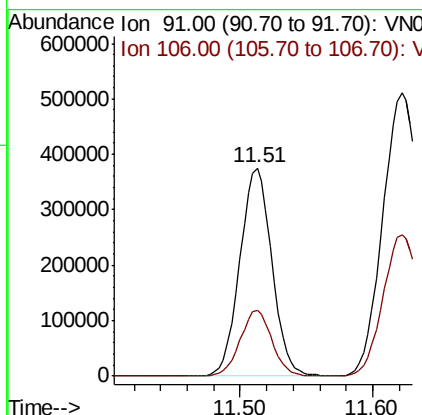
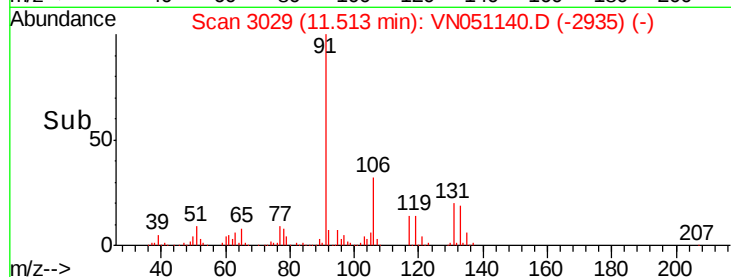
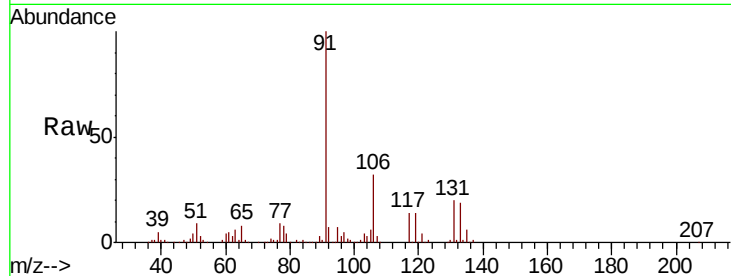
#67
Ethyl Benzene
Concen: 19.38 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

Tot Ion: 91 Resp: 630915
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2

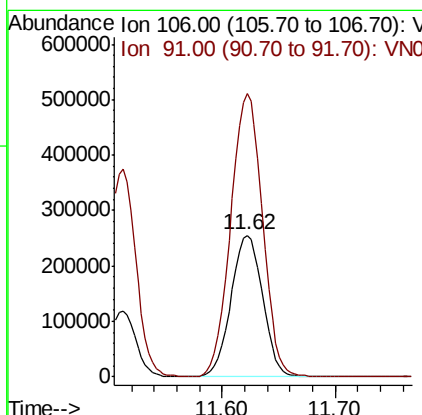
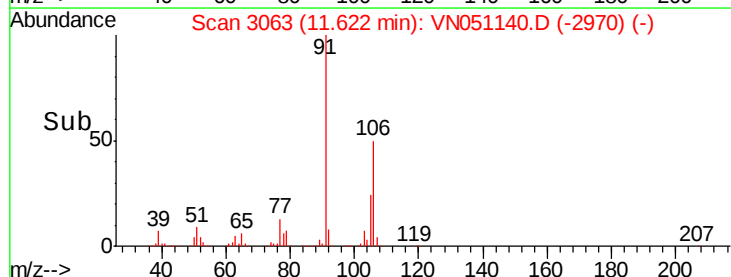
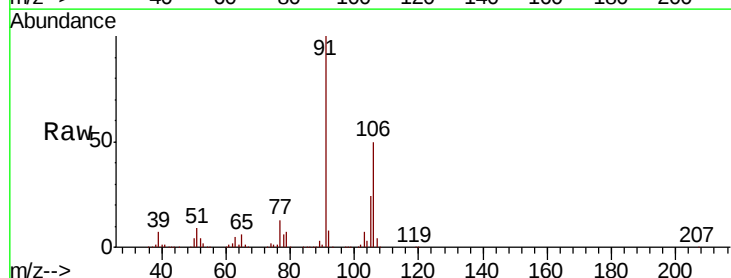
Manual Integrations
APPROVED

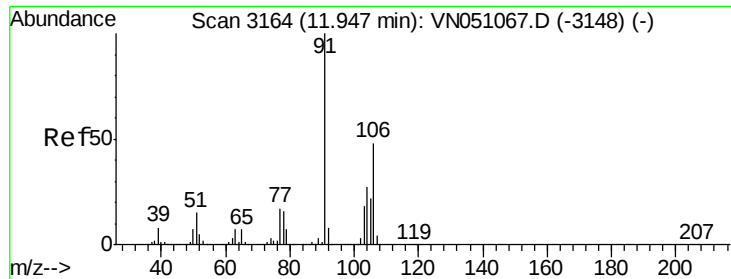
MMDadoda
9/13/2018 5:20:05 PM



#68
m/p-Xylenes
Concen: 39.84 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion: 106 Resp: 498298
Ion Ratio Lower Upper
106 100
91 200.3 159.8 239.6





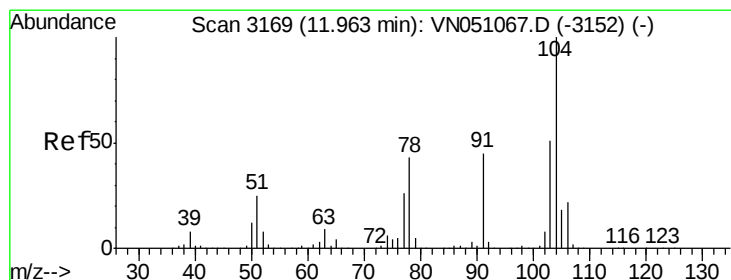
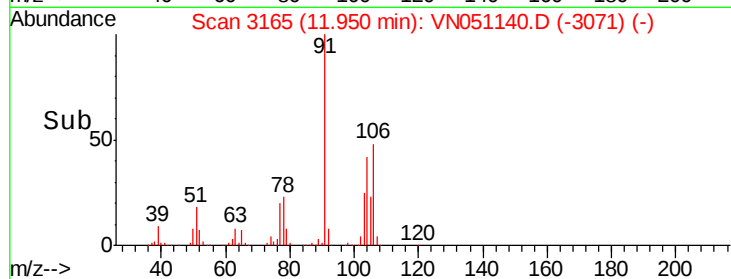
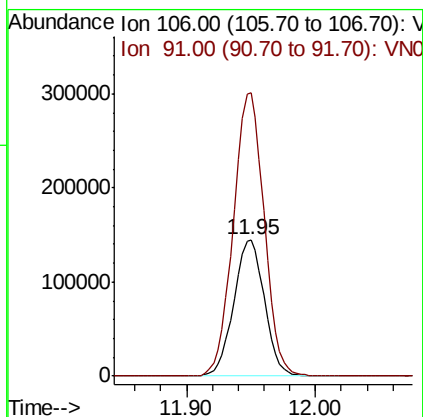
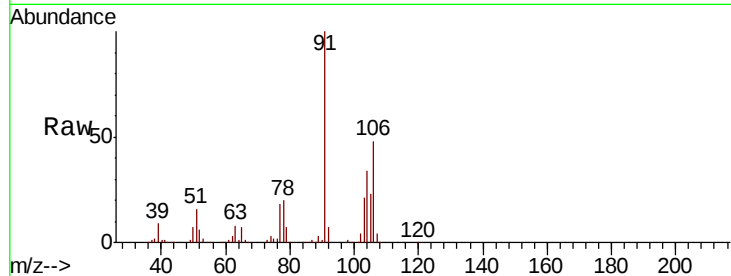
#69
o-Xylene
Concen: 19.69 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		238512		
91	209.8	105.1	315.1		

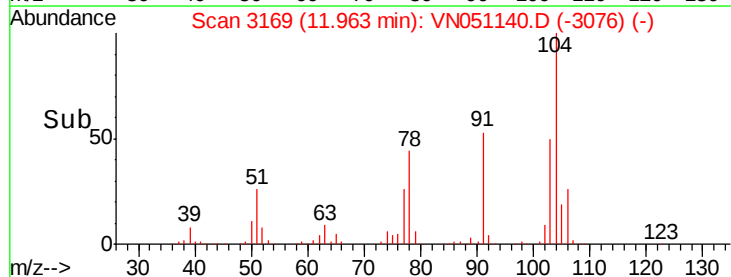
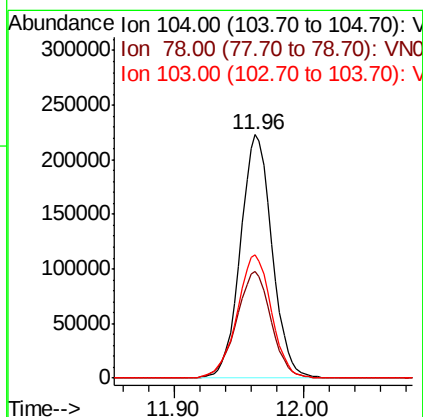
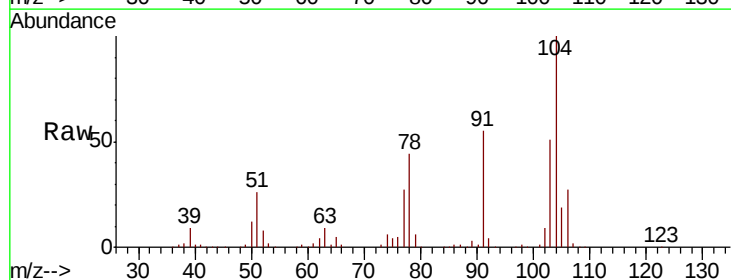
Manual Integrations
APPROVED

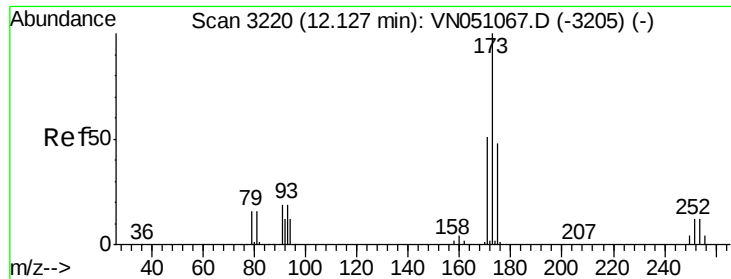
MMDadoda
9/13/2018 5:20:05 PM



#70
Styrene
Concen: 20.25 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		380484		
78	48.1	37.7	56.5		
103	54.8	44.6	67.0		





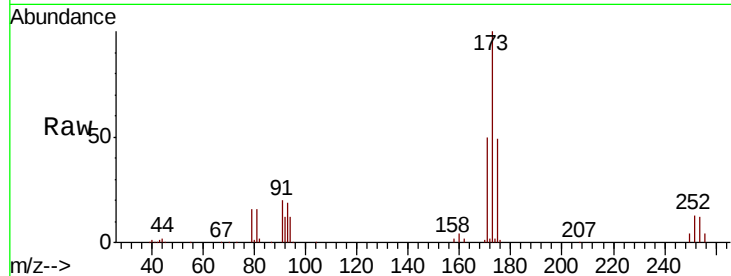
#71
Bromoform
Concen: 20.23 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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9/13/2018 5:20:05 PM

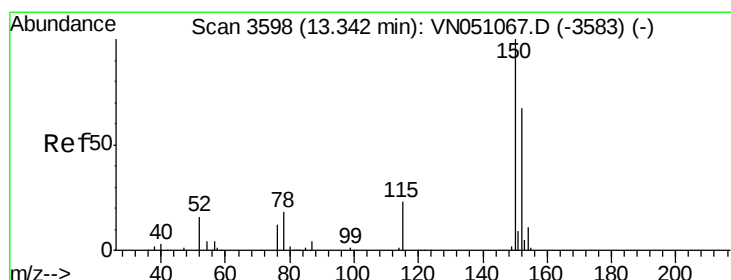
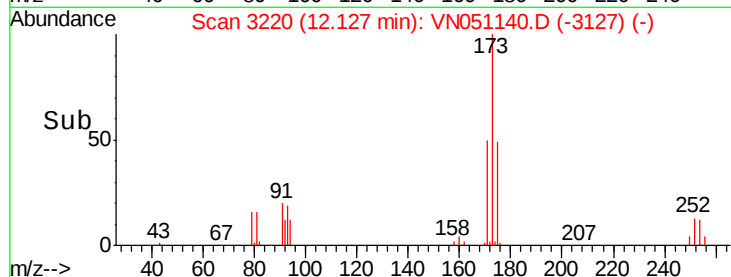
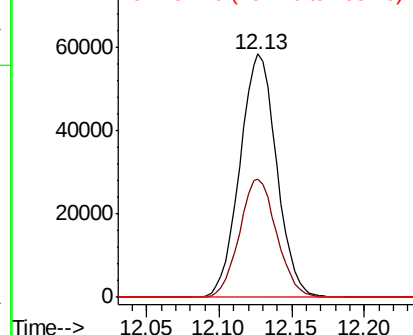


Abundance

Ion 172.70 (172.40 to 173.40): V

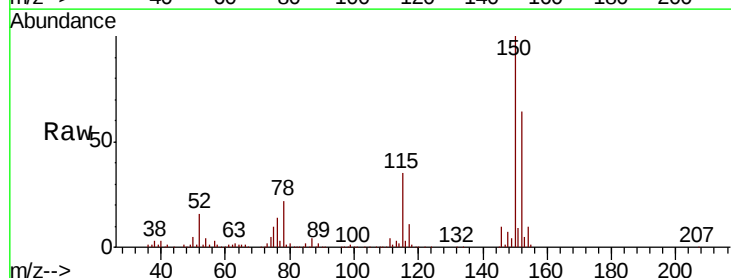
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.2	84.7
150	162.3	0.0	349.0

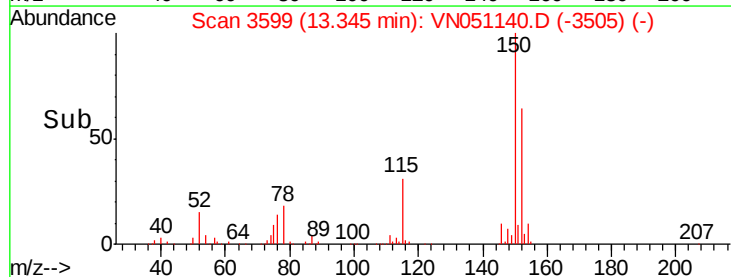
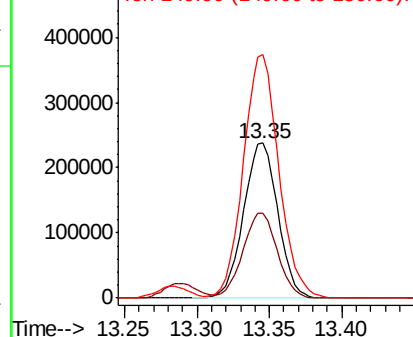


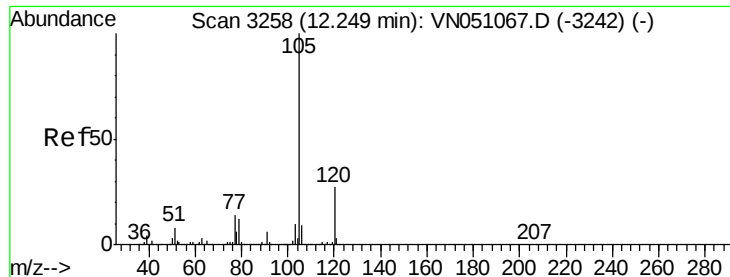
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.25 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 105 Resp: 630251

Ion Ratio Lower Upper

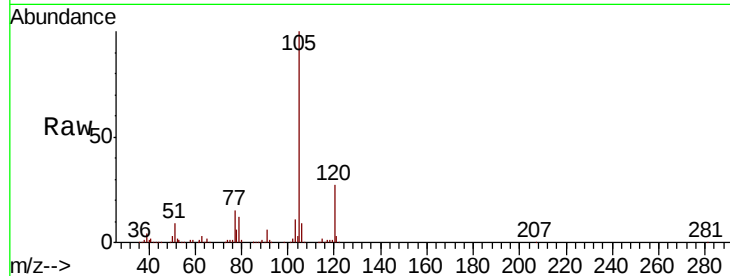
105 100

120 27.2 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

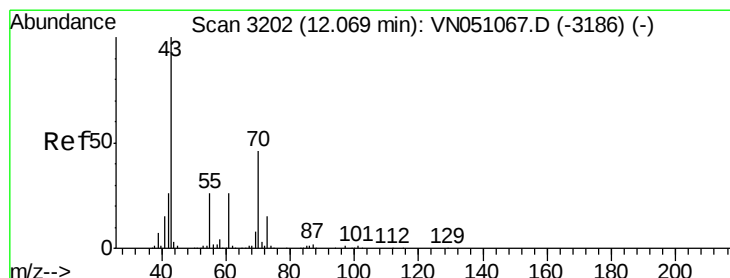
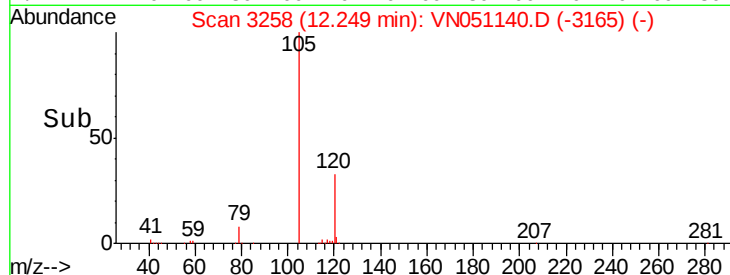
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.86 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Tgt Ion: 43 Resp: 155399

Ion Ratio Lower Upper

43 100

70 45.8 37.0 55.4

55 27.7 21.3 31.9

61 25.1 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

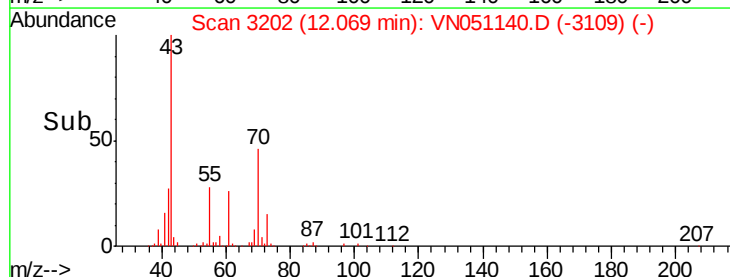
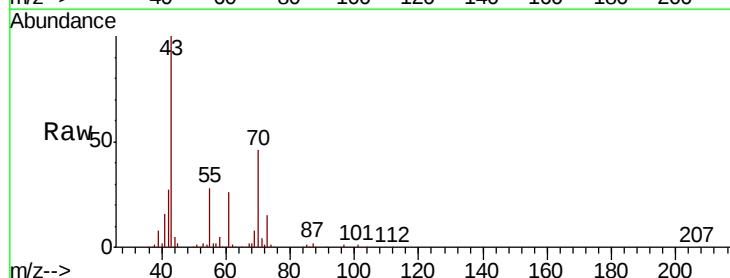
12.07

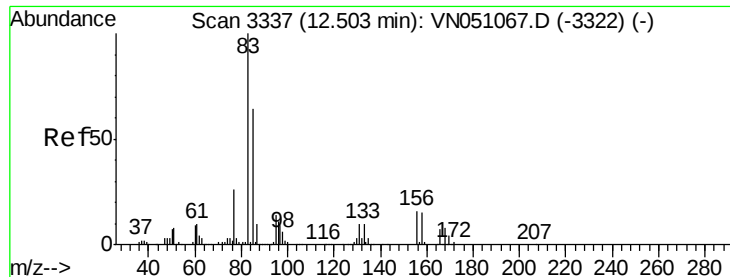
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.06 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

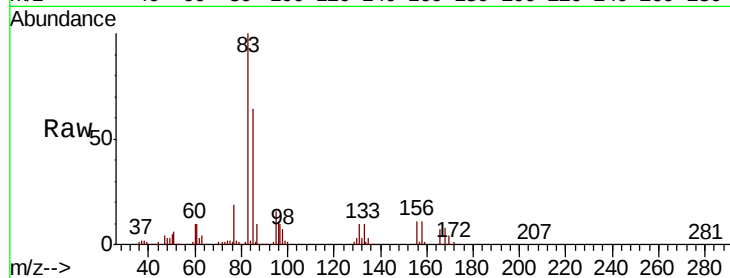
VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	172352		

83	100			
131	10.6	5.3	16.1	
85	64.8	32.3	96.8	

Manual Integrations
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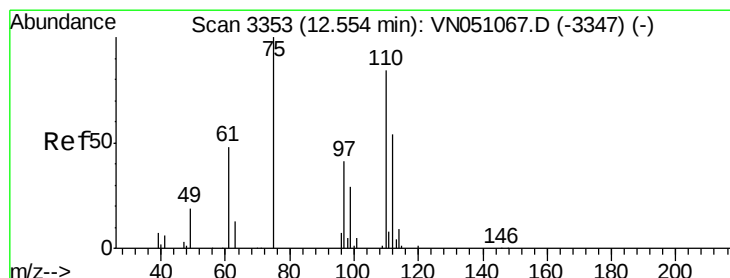
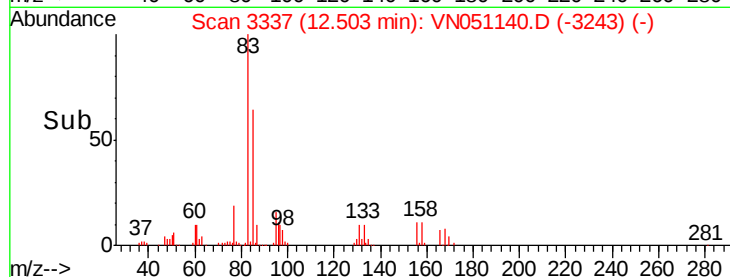
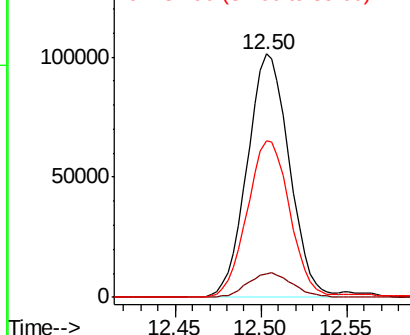
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Abundance Ion 82.90 (82.60 to 83.60): VN051140.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051140.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051140.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 23.45 ug/l m

RT: 12.55 min Scan# 3353

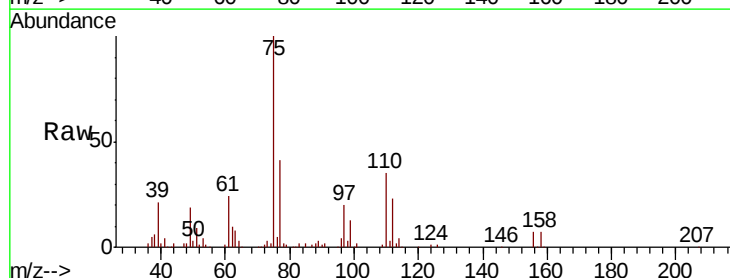
Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

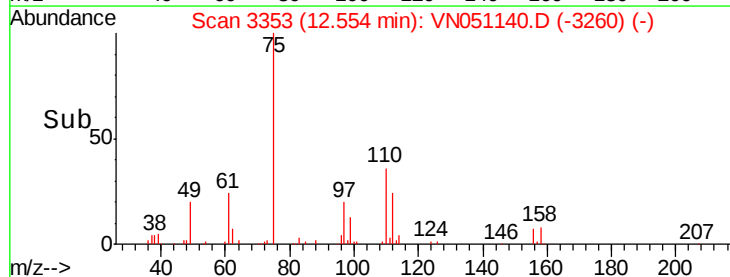
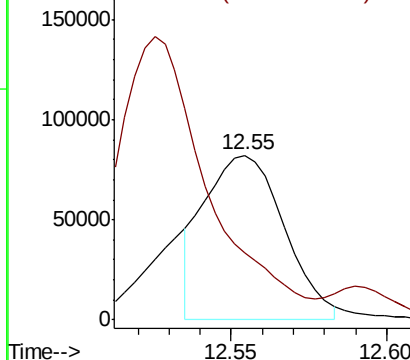
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146706		

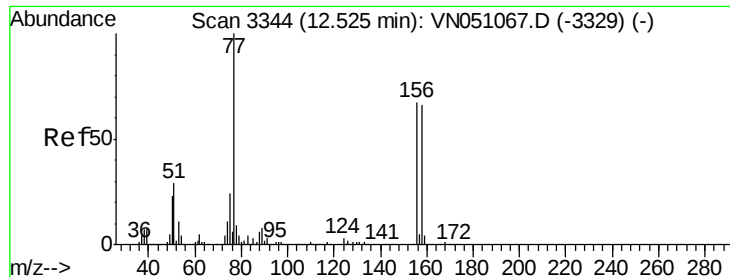
75	100			
77	0.0	0.0	0.0	



Abundance Ion 74.90 (74.60 to 75.60): VN051140.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051140.D (-3260) (-)





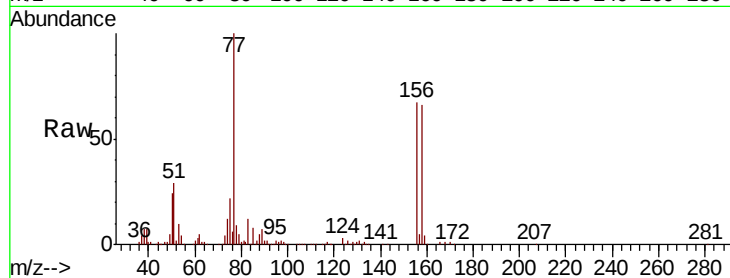
#77
Bromobenzene
Concen: 18.63 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

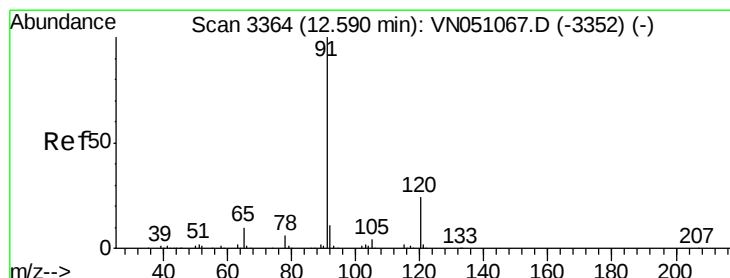
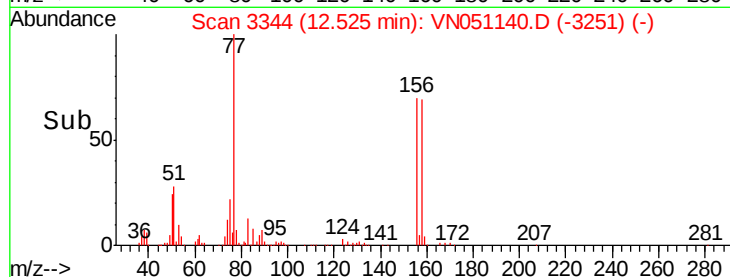
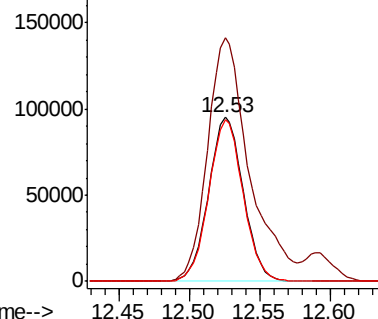
Tot Ion	Ratio	Lower	Upper
156	100		
77	179.0	87.5	262.6
158	97.9	49.0	147.2

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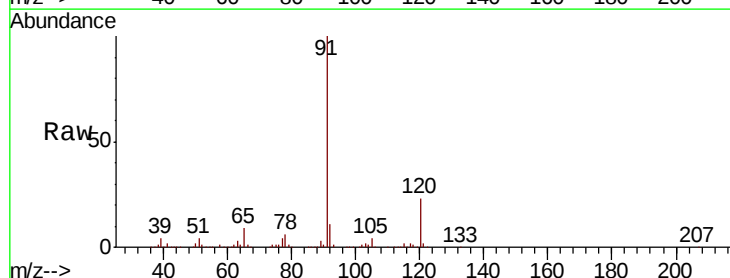


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

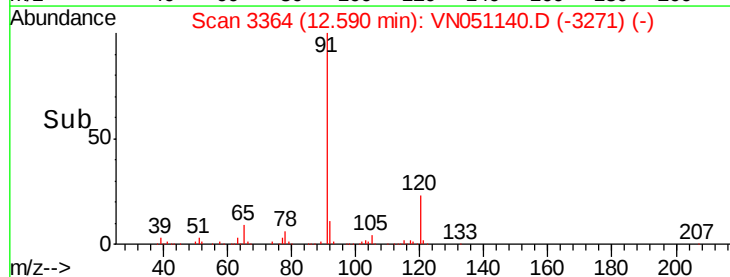
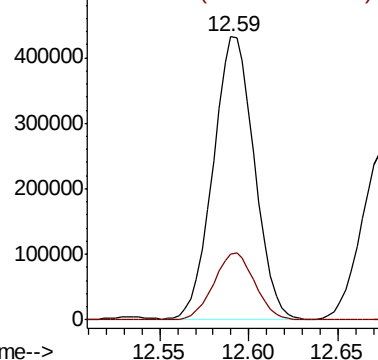


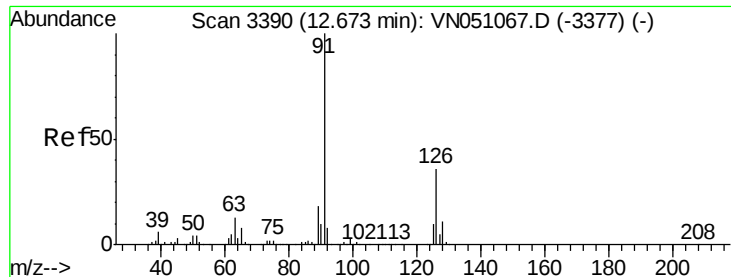
#78
n-propylbenzene
Concen: 19.34 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





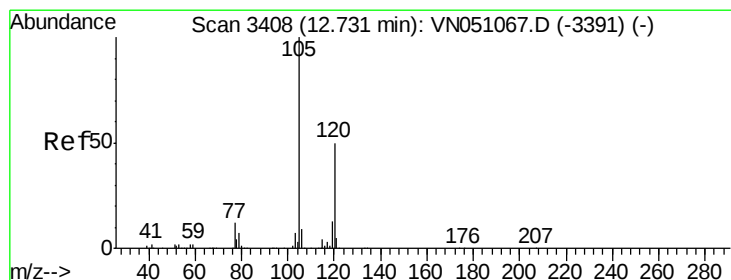
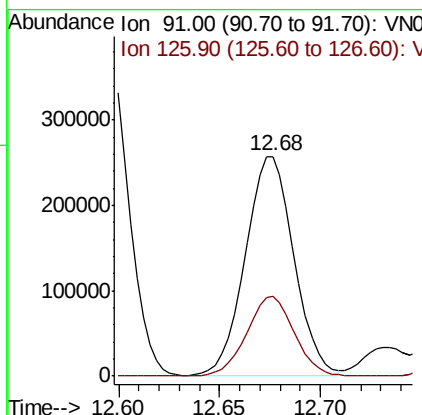
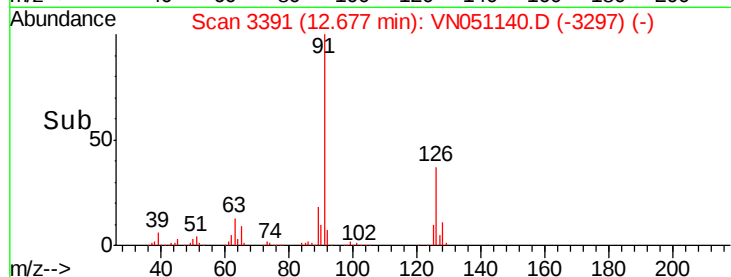
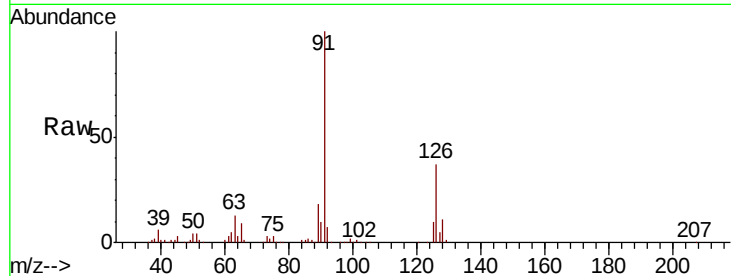
#79
 2-Chlorotoluene
 Concen: 19.15 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion: 91 Resp: 430781
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.7

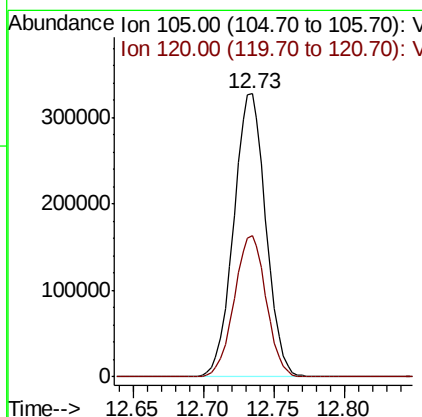
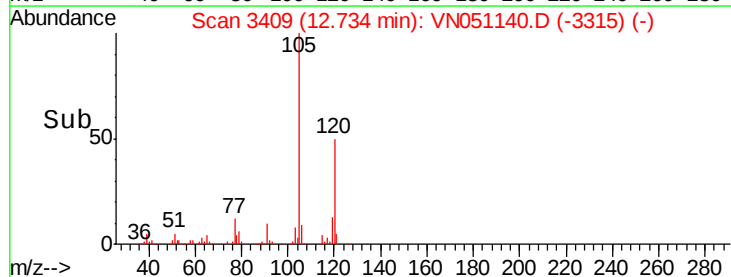
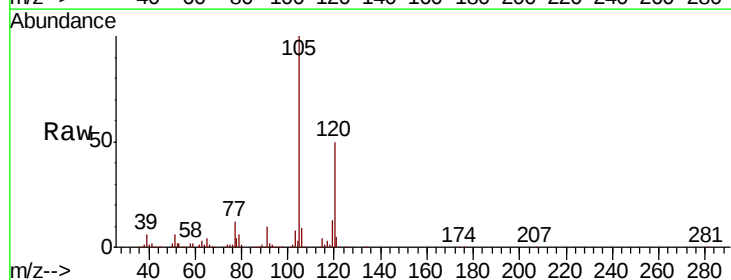
Manual Integrations
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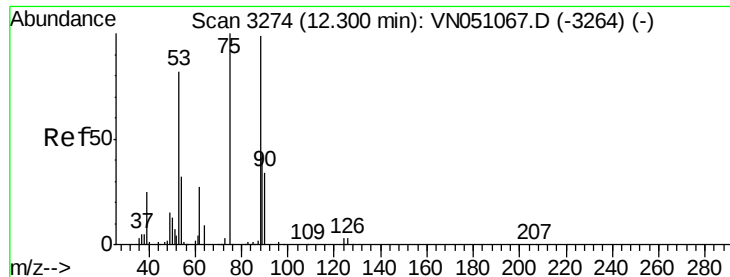
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.67 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion: 105 Resp: 520570
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.30 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

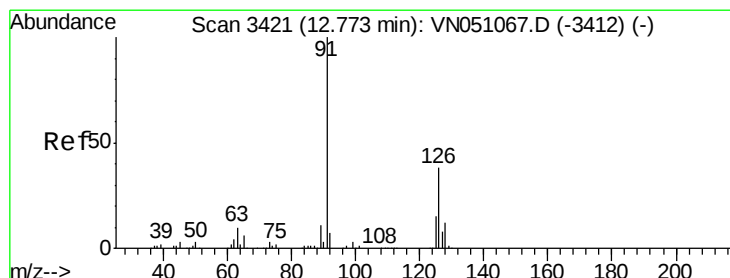
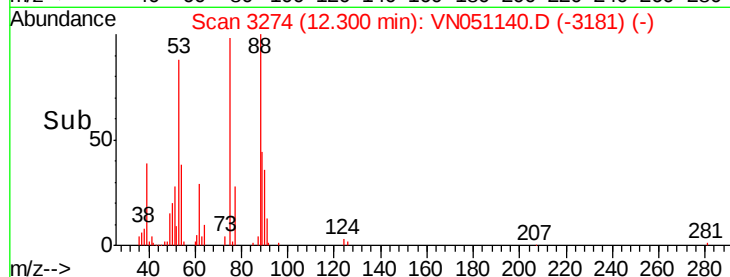
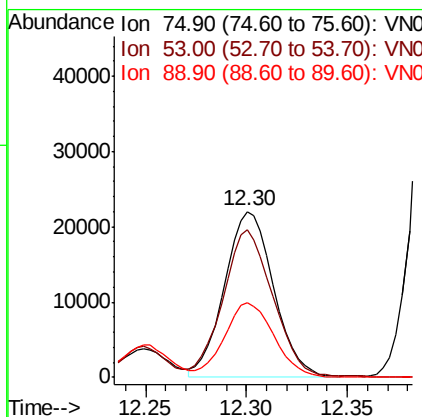
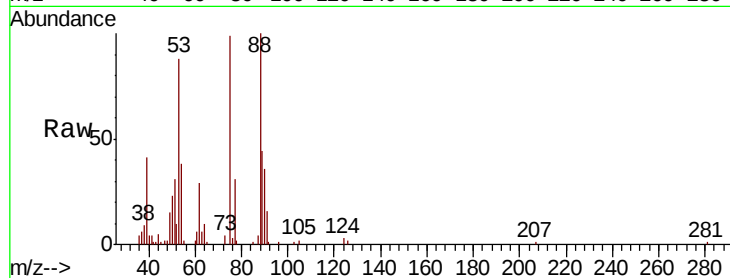
ClientSampleId :

VN0912WBS01

Tot Ion:	75	Resp:	37607
Ion	Ratio	Lower	Upper
75	100		
53	91.0	67.8	101.8
89	45.0	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.94 ug/l

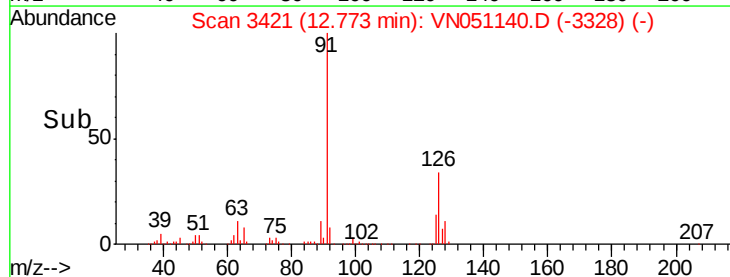
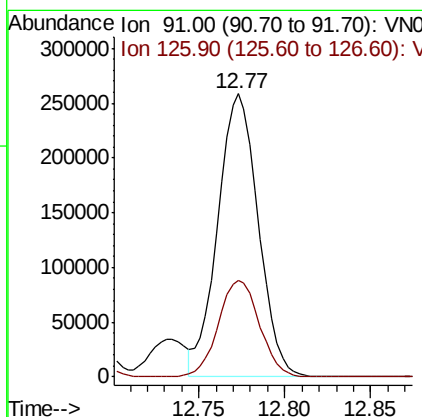
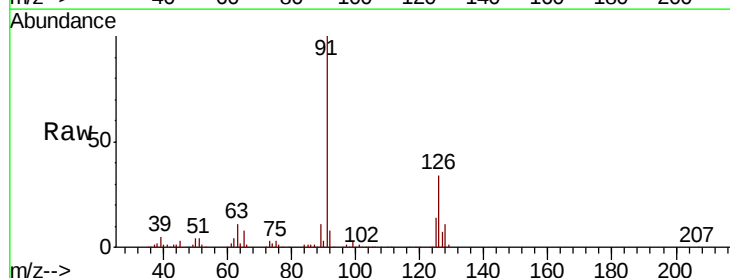
RT: 12.77 min Scan# 3421

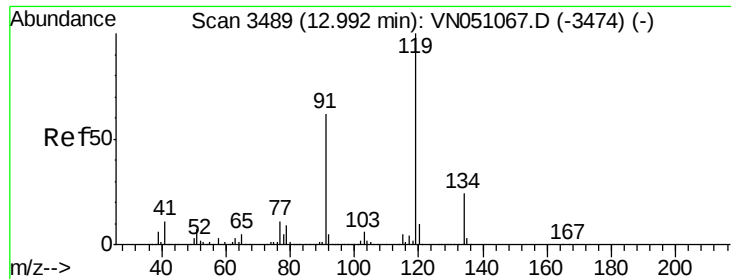
Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Tgt Ion:	91	Resp:	422959
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.6	52.8





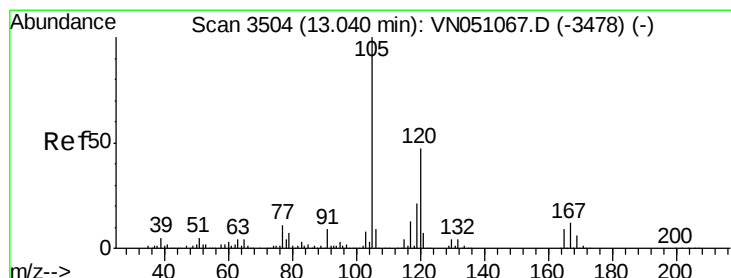
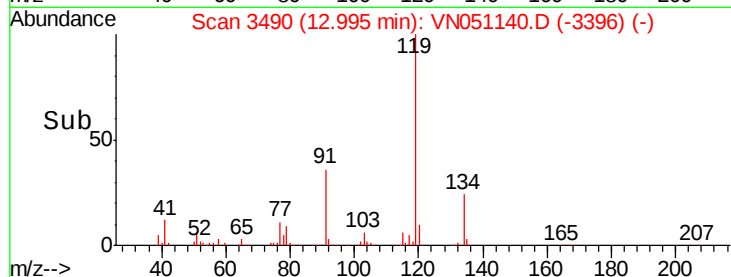
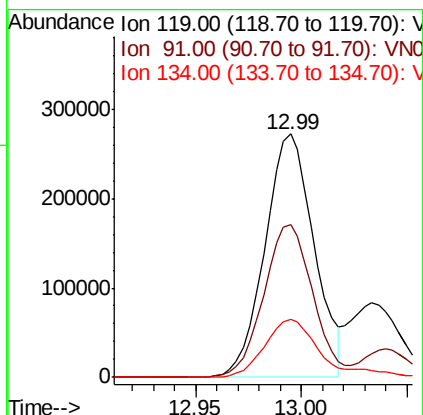
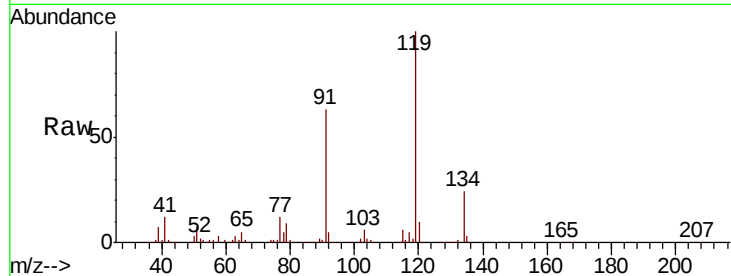
#83
 tert-Butylbenzene
 Concen: 18.86 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	440576		
91	62.5		30.8	92.3
134	25.0		13.2	39.6

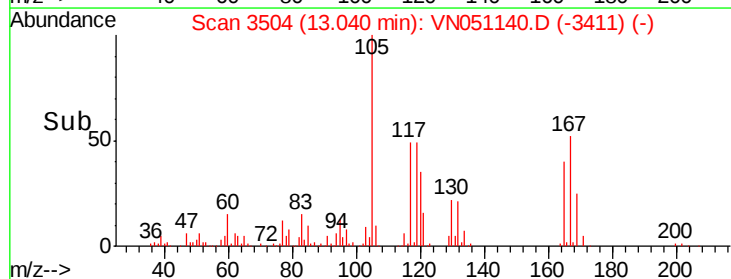
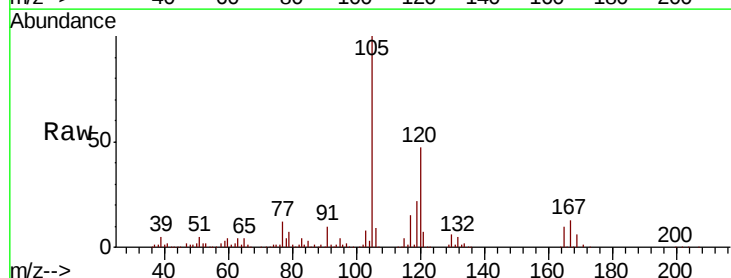
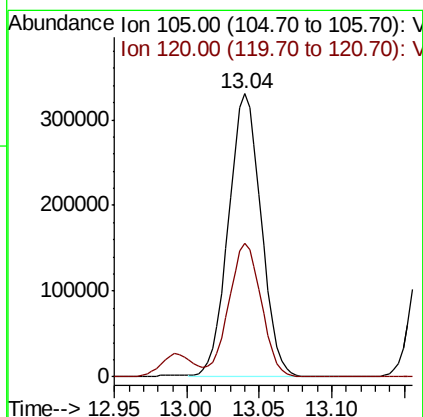
Manual Integrations
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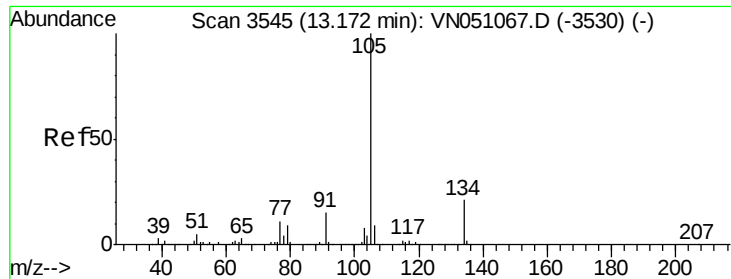
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.83 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	516093		
120	47.1		23.3	69.8





#85

sec-Butylbenzene

Concen: 19.43 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion:105 Resp: 582218

Ion Ratio Lower Upper

105 100

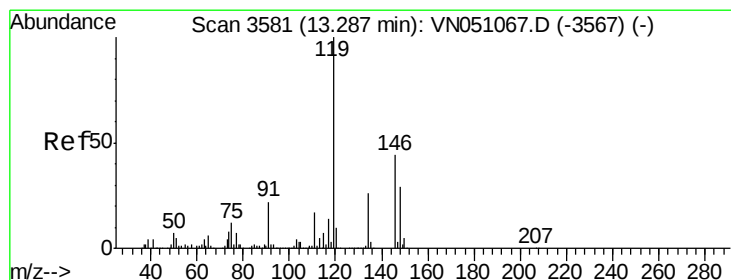
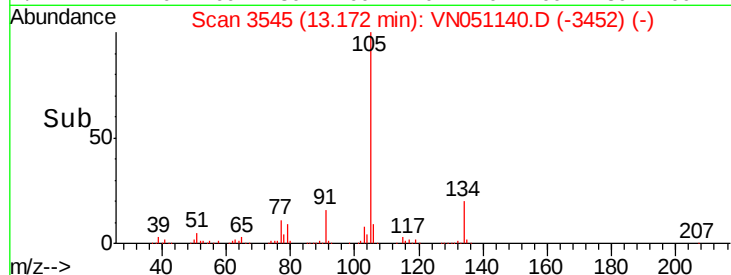
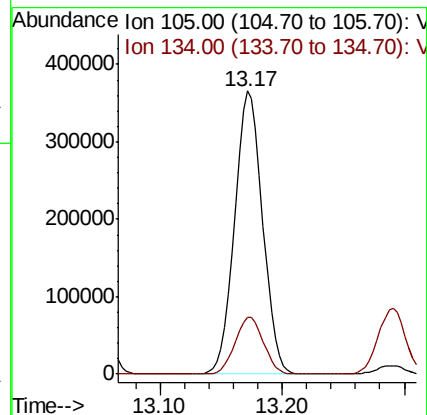
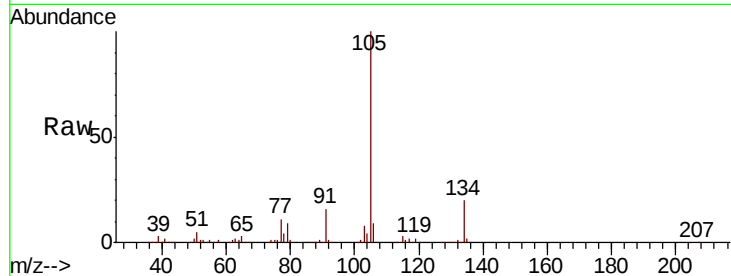
134 20.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.60 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

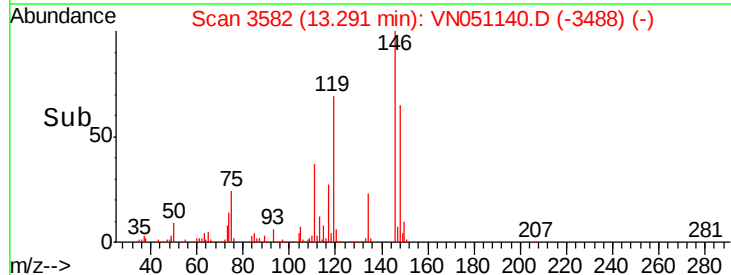
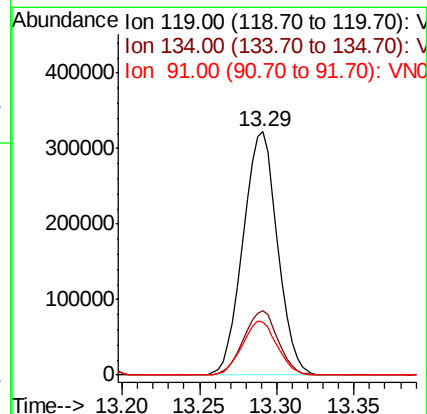
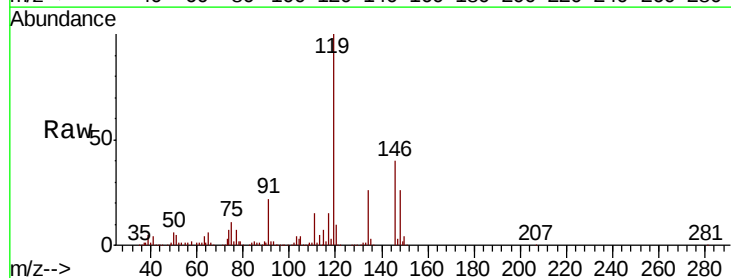
Tgt Ion:119 Resp: 498053

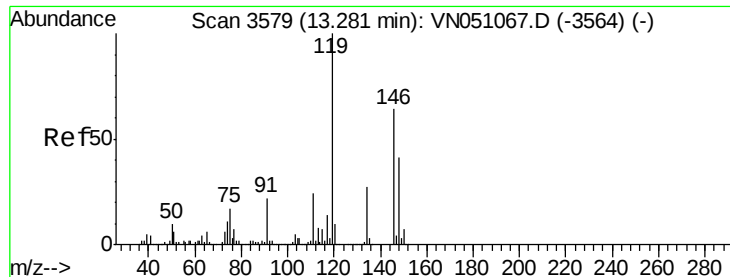
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 18.35 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Instrument :

MSVOA_N

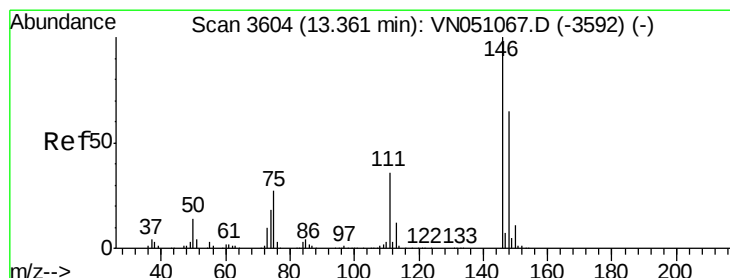
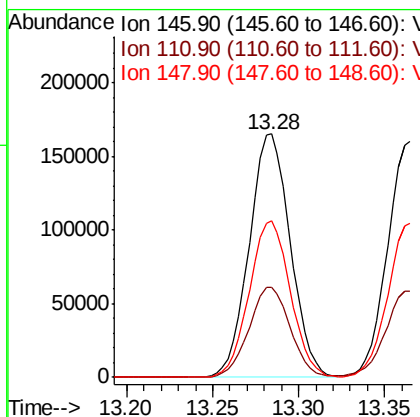
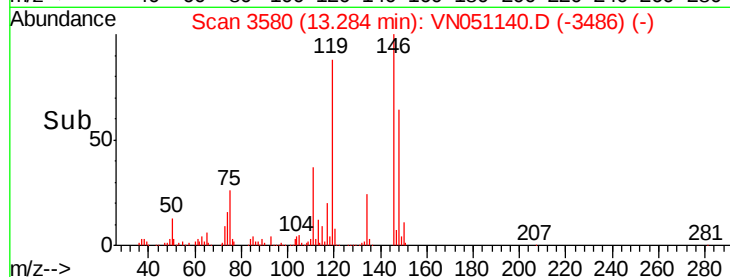
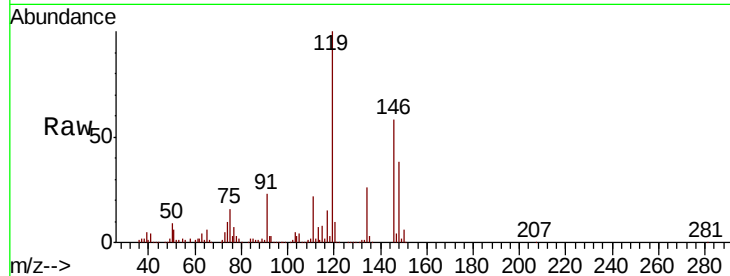
ClientSampleId :

VN0912WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.1
148	64.2	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.20 ug/l

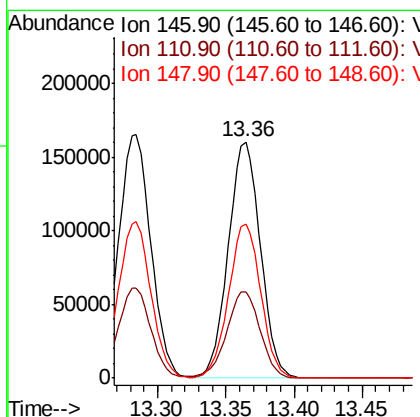
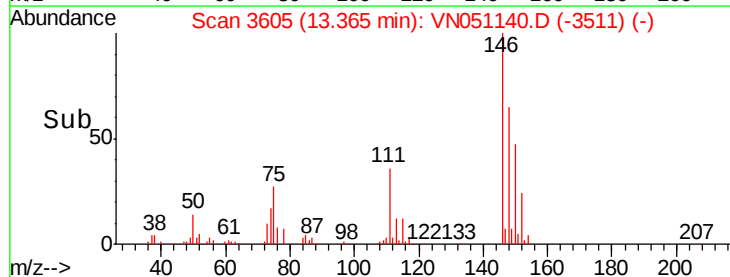
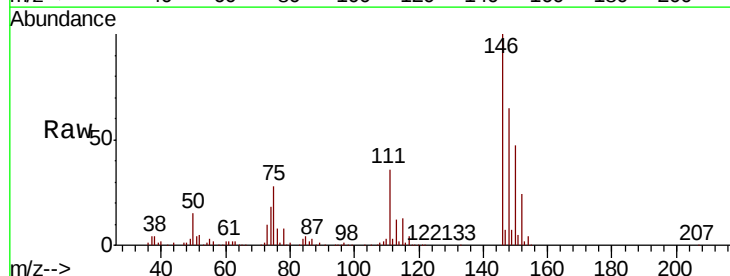
RT: 13.36 min Scan# 3605

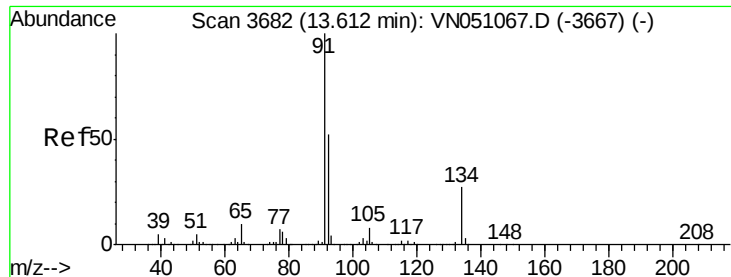
Delta R.T. 0.00 min

Lab File: VN051140.D

Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.0
148	65.3	32.2	96.6





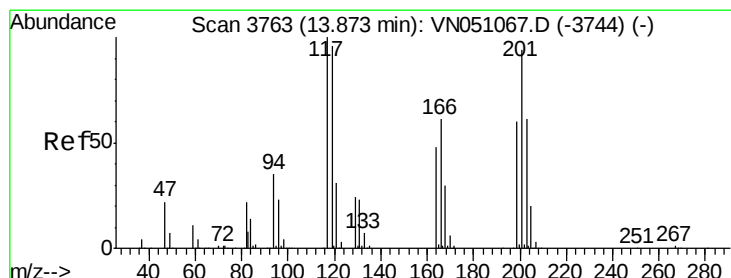
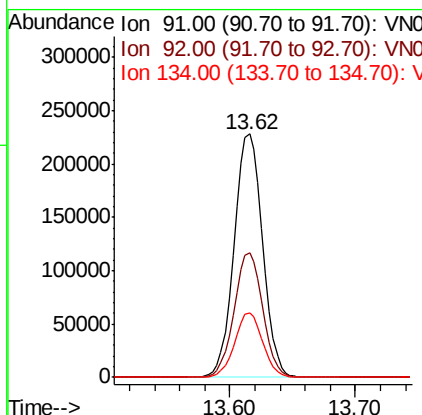
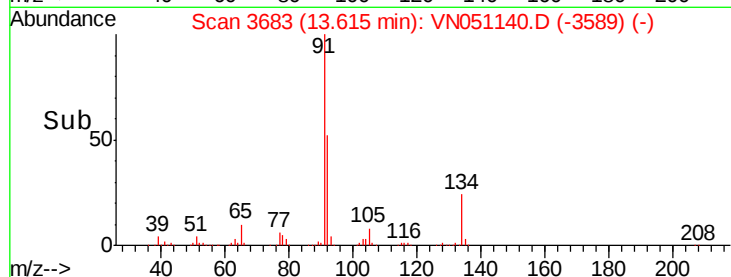
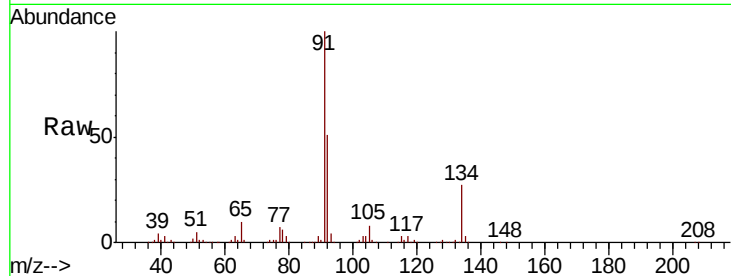
#89
n-Butylbenzene
Concen: 18.15 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		358923		
92	51.3	26.2		78.6	
134	26.3	13.7		41.1	

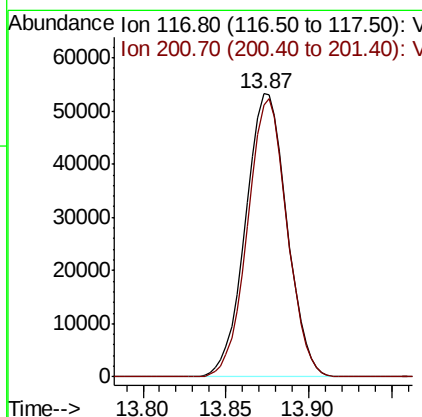
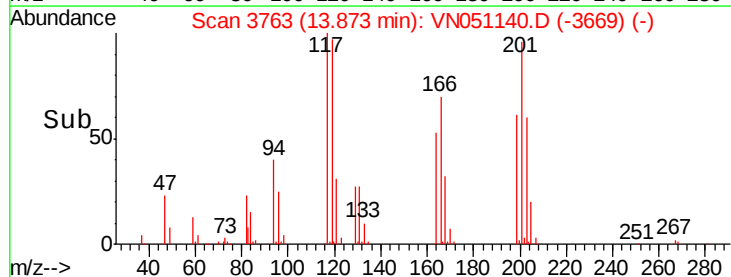
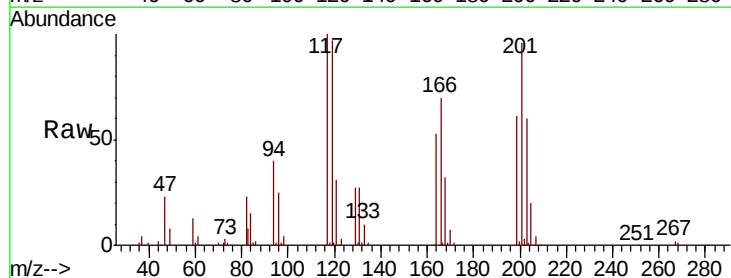
Manual Integrations
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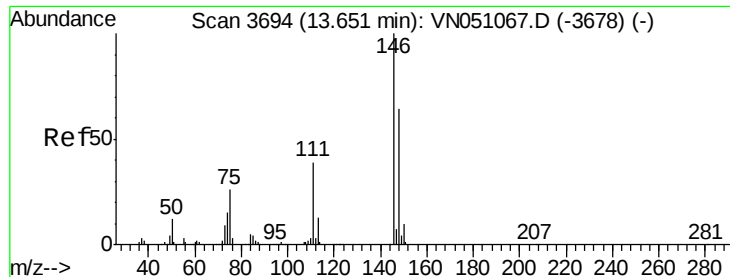
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#90
Hexachloroethane
Concen: 19.57 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		92283		
201	93.6	47.3		142.0	





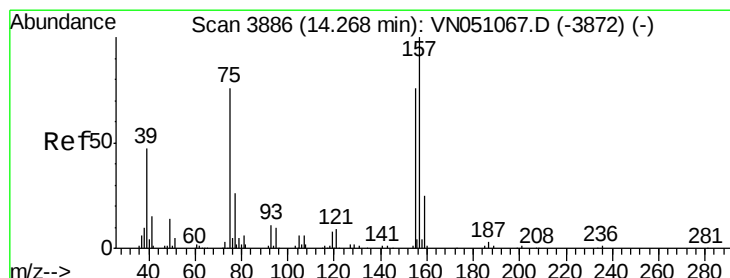
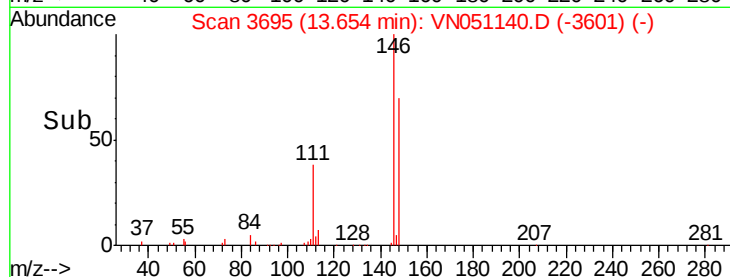
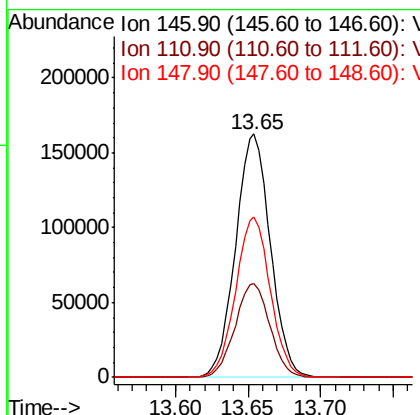
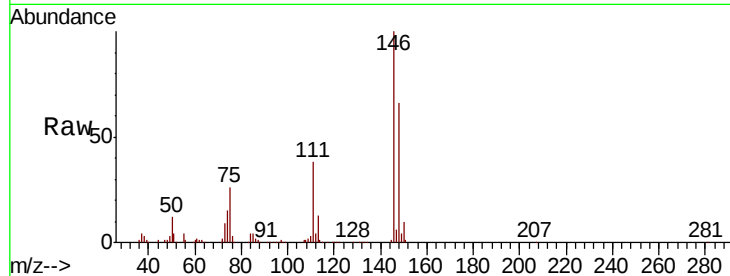
#91
 1,2-Dichlorobenzene
 Concen: 18.59 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	65.3	32.1	96.3

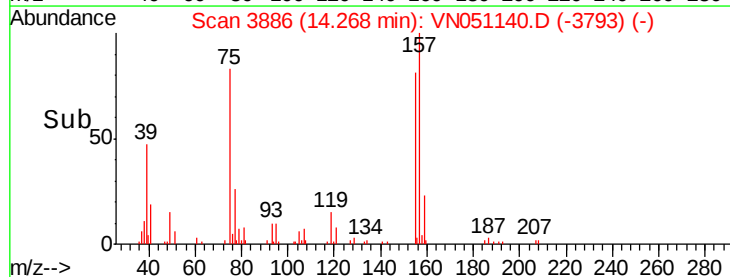
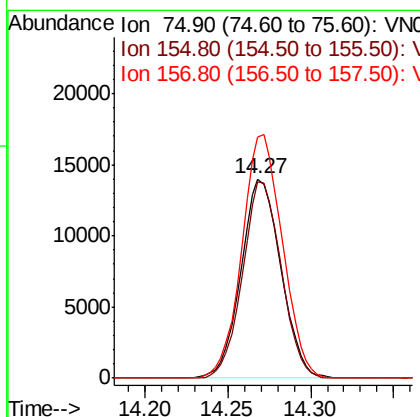
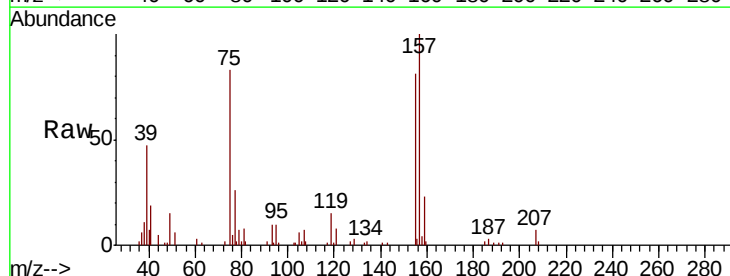
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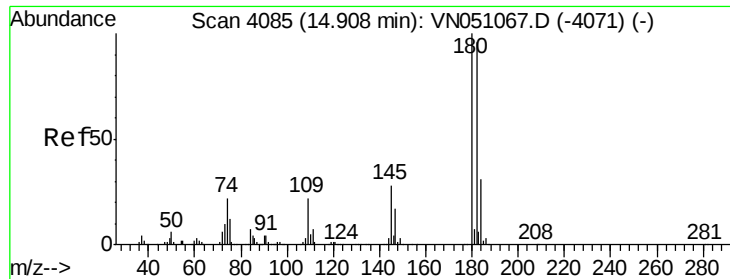
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.34 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	48.7	146.1
157	123.5	63.6	190.9





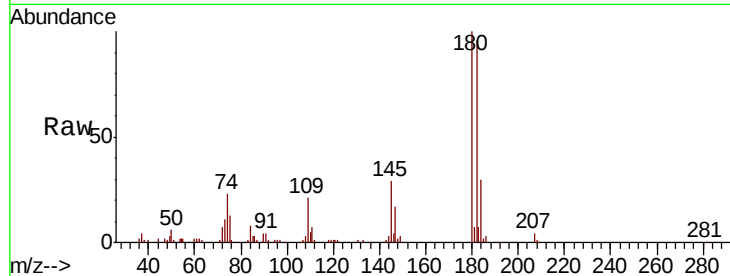
#93
 1,2,4-Trichlorobenzene
 Concen: 16.95 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98980		
182	96.4	47.3	141.8	
145	28.4	14.2	42.6	

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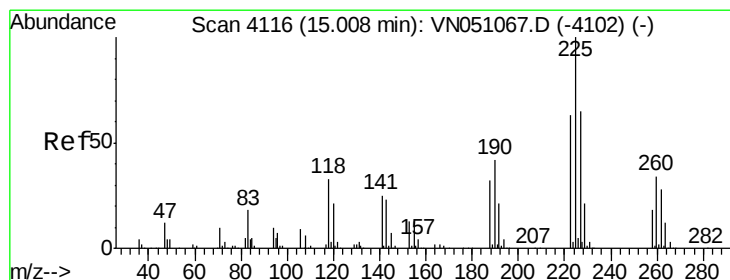
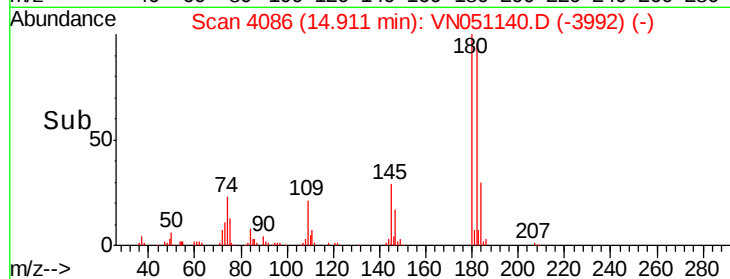
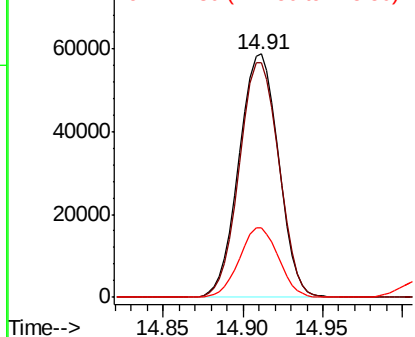


Abundance

Ion 179.80 (179.50 to 180.50): V

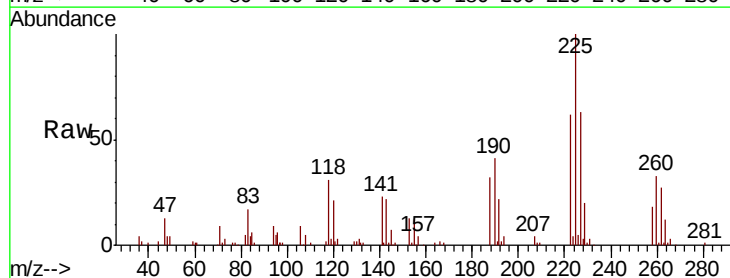
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.94 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051140.D
 Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88938		
223	62.6	31.4	94.0	
227	62.0	32.1	96.3	

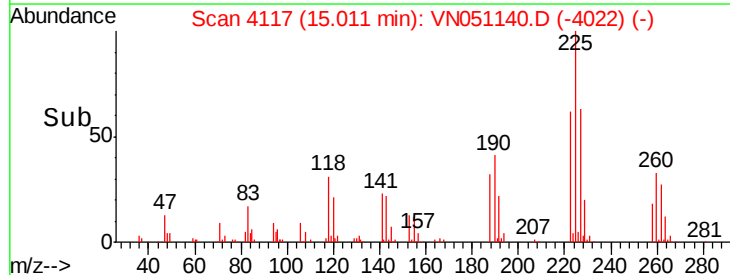
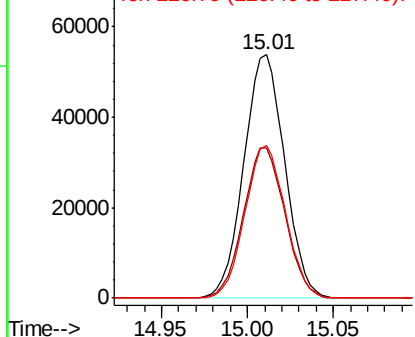


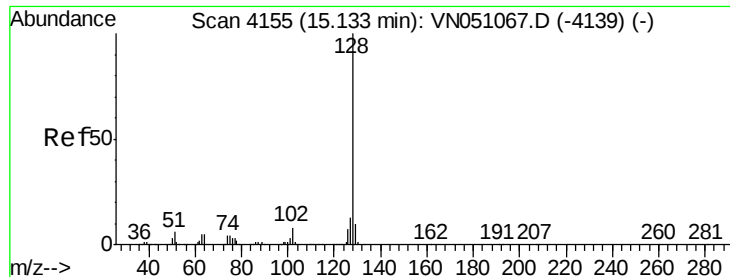
Abundance

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





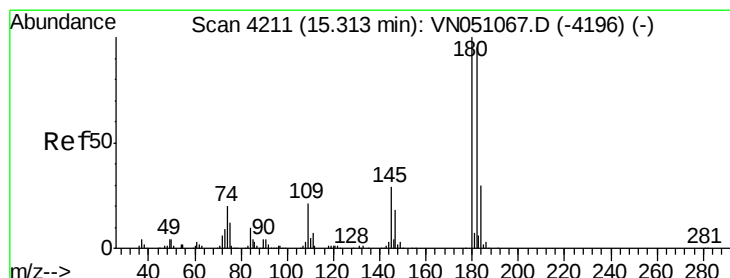
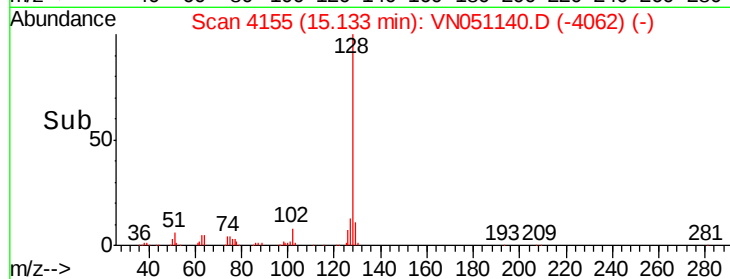
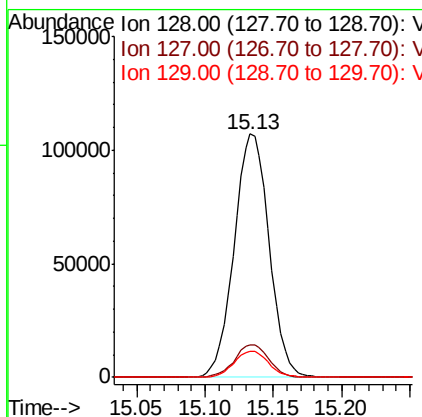
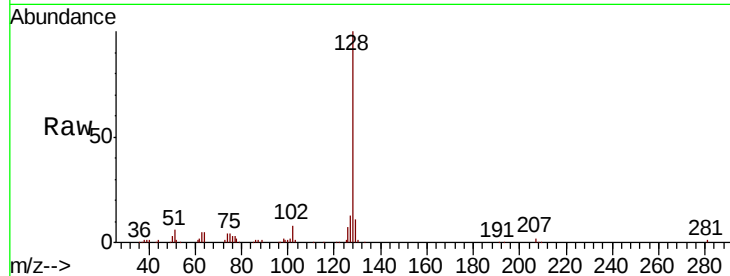
#95
Naphthalene
Concen: 16.93 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	190411		
127	13.2	10.6	15.8	
129	10.6	8.6	12.8	

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#96
1,2,3-Trichlorobenzene
Concen: 17.70 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051140.D
Acq: 12 Sep 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105181		
182	96.9	47.8	143.3	
145	30.9	14.6	43.8	

