

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051080.D
 Acq On : 10 Sep 2018 16:10
 Operator : MD\SY
 Sample : VN0910MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:54 AM

Quant Time: Sep 11 03:51:50 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	672153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	971298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	865014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383422	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	380066	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.09	98	1406272	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	451566	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	118075	18.22	ug/l	96
3) Chloromethane	2.06	50	168924	19.85	ug/l	100
4) Vinyl Chloride	2.18	62	169980	19.10	ug/l	99
5) Bromomethane	2.56	94	98119	18.93	ug/l	99
6) Chloroethane	2.70	64	99596	18.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	223187	18.93	ug/l	98
8) Diethyl Ether	3.41	74	84040	19.38	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	143958	18.94	ug/l	98
10) Methyl Iodide	3.95	142	116882	20.22	ug/l	99
11) Tert butyl alcohol	4.79	59	52346	91.62	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	132591	18.49	ug/l	96
13) Acrolein	3.61	56	72034	117.54	ug/l	99
14) Allyl chloride	4.32	41	203680	18.65	ug/l	100
15) Acrylonitrile	5.00	53	245259	96.88	ug/l	100
16) Acetone	3.82	43	169245	87.72	ug/l	99
17) Carbon Disulfide	4.05	76	401049	19.05	ug/l	100
18) Methyl Acetate	4.33	43	111317	18.58	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	366401	19.33	ug/l	99
20) Methylene Chloride	4.55	84	155591	18.83	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141609	18.21	ug/l	94
22) Diisopropyl ether	5.95	45	435314	20.08	ug/l	100
23) Vinyl Acetate	5.90	43	1434061	97.73	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261785	19.03	ug/l	100
25) 2-Butanone	6.84	43	268516	91.30	ug/l	98
26) 2,2-Dichloropropane	6.83	77	201429	17.89	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160129	18.77	ug/l	98
28) Bromochloromethane	7.20	49	143921	23.50	ug/l	100
29) Tetrahydrofuran	7.22	42	184471	100.45	ug/l	99
30) Chloroform	7.37	83	264060	19.29	ug/l	99
31) Cyclohexane	7.65	56	237447	19.22	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	226109	19.39	ug/l	100
36) 1,1-Dichloropropene	7.79	75	197728	18.54	ug/l	99
37) Ethyl Acetate	6.93	43	125826	20.37	ug/l	98
38) Carbon Tetrachloride	7.77	117	199960	19.05	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215490	18.31	ug/l	98
40) Benzene	8.04	78	620009	19.29	ug/l	100
41) Methacrylonitrile	7.18	41	58390	18.32	ug/l	96
42) 1,2-Dichloroethane	8.13	62	181205	19.35	ug/l	99
43) Isopropyl Acetate	8.17	43	213488	19.59	ug/l	99
44) Trichloroethene	8.84	130	163279	18.58	ug/l	99
45) 1,2-Dichloropropane	9.12	63	160584	19.34	ug/l	100
46) Dibromomethane	9.21	93	96024	18.95	ug/l	99
47) Bromodichloromethane	9.40	83	198551	19.27	ug/l	97
48) Methyl methacrylate	9.20	41	102598	19.32	ug/l	99
49) 1,4-Dioxane	9.20	88	32238	387.11	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	606984	100.72	ug/l	99
52) Toluene	10.16	92	380464	19.42	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	190853	18.51	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	227735	18.84	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	139364	19.58	ug/l	99
56) Ethyl methacrylate	10.43	69	167864	19.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	233803	19.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	342645	95.36	ug/l	100
59) 2-Hexanone	10.75	43	388356	95.02	ug/l	98
60) Dibromochloromethane	10.90	129	153178	19.09	ug/l	100
61) 1,2-Dibromoethane	11.01	107	132895	19.10	ug/l	98
64) Tetrachloroethene	10.63	164	149778	18.98	ug/l	99
65) Chlorobenzene	11.43	112	411410	18.87	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	153092	19.50	ug/l	99
67) Ethyl Benzene	11.51	91	681441	19.30	ug/l	99
68) m/p-Xylenes	11.62	106	535397	39.46	ug/l	100
69) o-Xylene	11.95	106	256942	19.56	ug/l	99
70) Styrene	11.96	104	406909	19.97	ug/l	100
71) Bromoform	12.13	173	108326	19.60	ug/l #	99
73) Isopropylbenzene	12.25	105	668268	19.16	ug/l	100
74) N-amyl acetate	12.07	43	162483	18.51	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	176580	21.14	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146695m	21.91	ug/l	
77) Bromobenzene	12.53	156	173996	18.57	ug/l	98
78) n-propylbenzene	12.59	91	737374	19.23	ug/l	100
79) 2-Chlorotoluene	12.67	91	461539	19.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	548022	19.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40103	18.31	ug/l	96
82) 4-Chlorotoluene	12.77	91	450241	18.93	ug/l	100
83) tert-Butylbenzene	12.99	119	472257	18.97	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	551297	19.88	ug/l	99
85) sec-Butylbenzene	13.17	105	612356	19.18	ug/l	99
86) p-Isopropyltoluene	13.29	119	527896	19.50	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	291102	18.31	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	279440	19.15	ug/l	98
89) n-Butylbenzene	13.62	91	380052	18.04	ug/l	98
90) Hexachloroethane	13.88	117	97315	19.36	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	286746	18.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23417	20.05	ug/l	99

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QLast Update : Tue Sep 11 02:27:09 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111261	17.66	ug/l	99
94) Hexachlorobutadiene	15.01	225	89905	18.82	ug/l	99
95) Naphthalene	15.13	128	215881	17.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	117457	18.40	ug/l	99

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

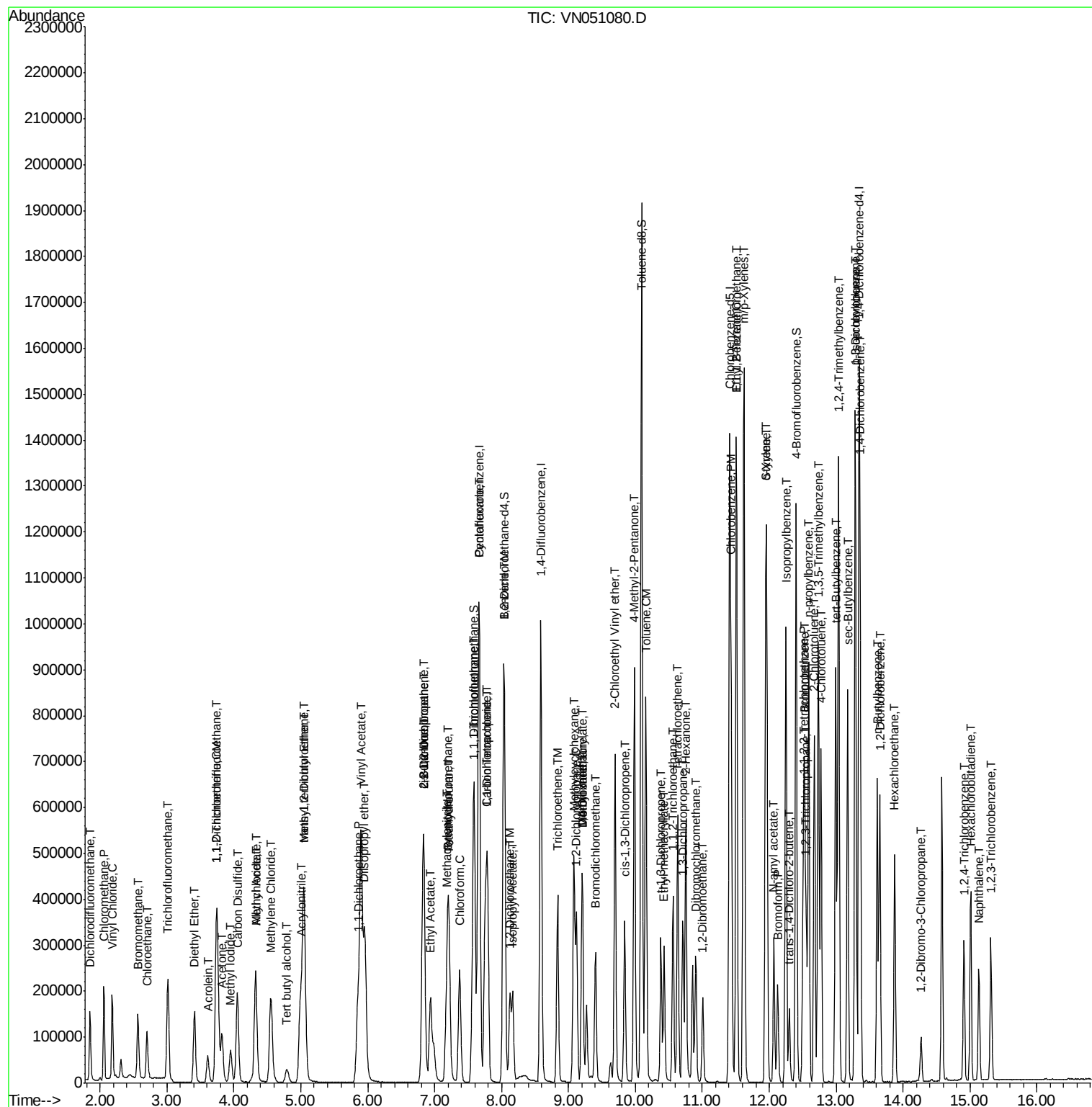
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
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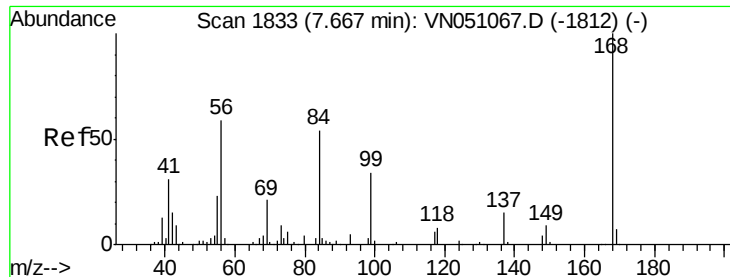
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion:168 Resp: 672153

Ion Ratio Lower Upper

168 100

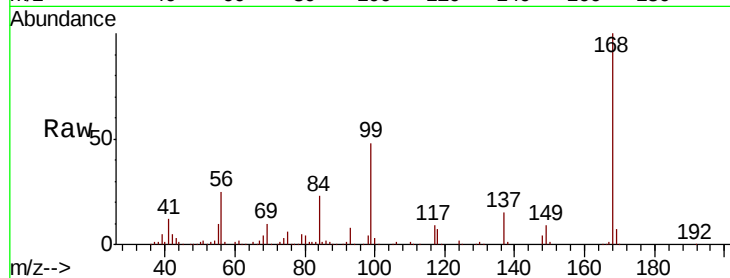
99 48.1 38.3 57.5

Manual Integrations

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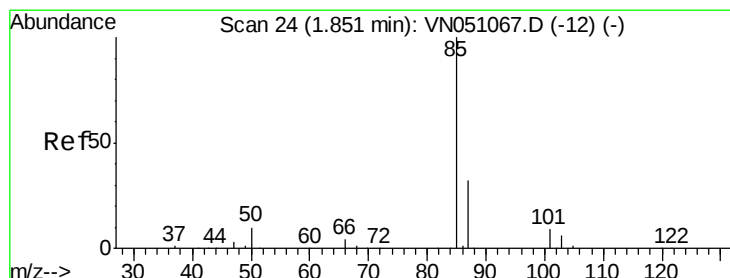
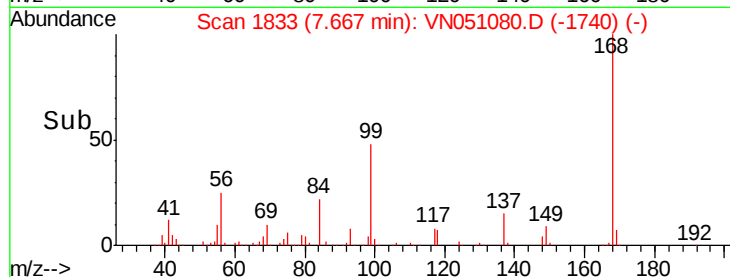
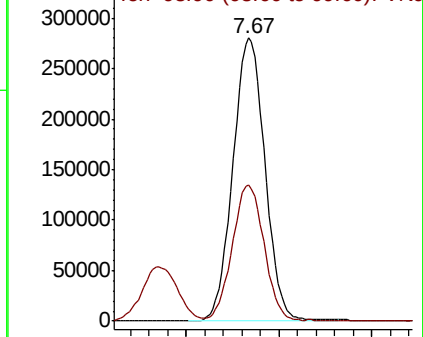
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.22 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051080.D

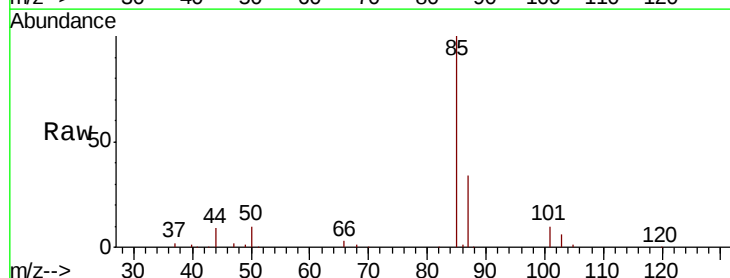
Acq: 10 Sep 2018 16:10

Tgt Ion: 85 Resp: 118075

Ion Ratio Lower Upper

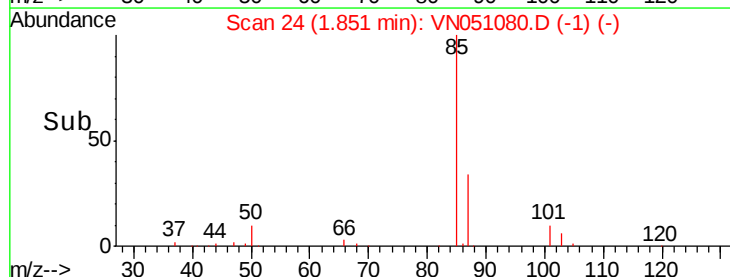
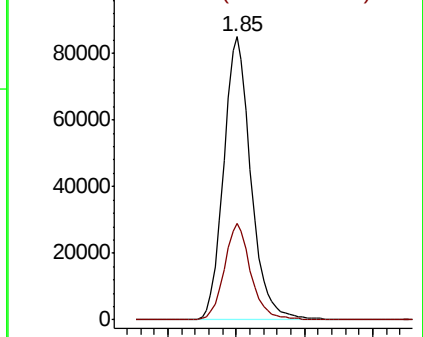
85 100

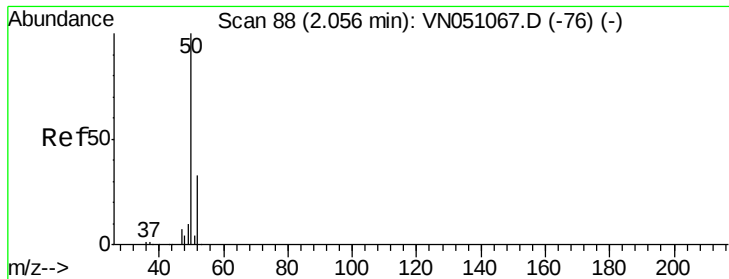
87 34.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.85 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 50 Resp: 168924

Ion Ratio Lower Upper

50 100

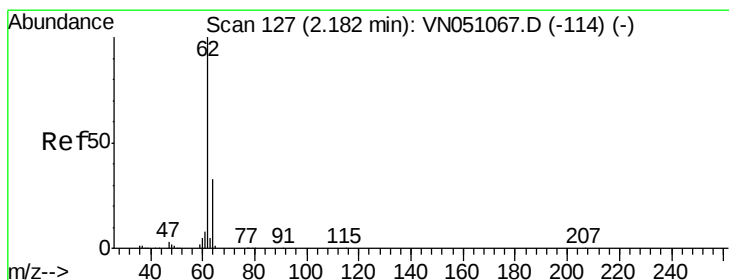
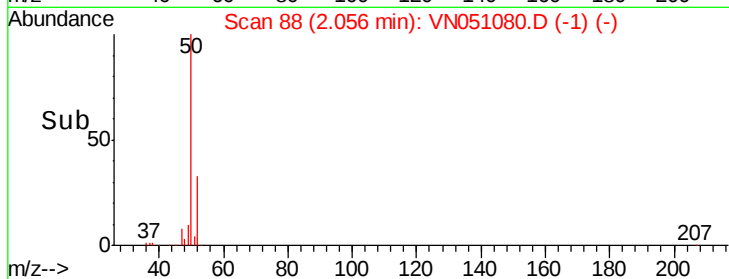
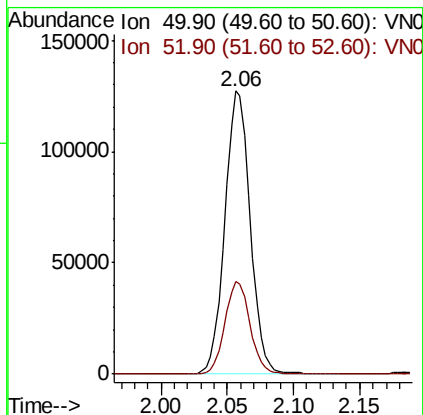
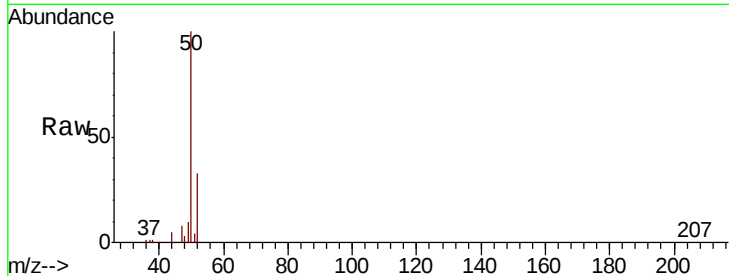
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.10 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051080.D

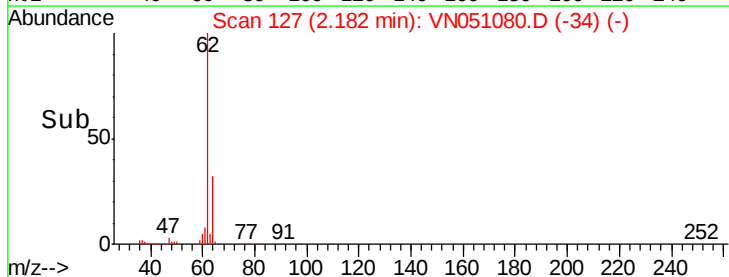
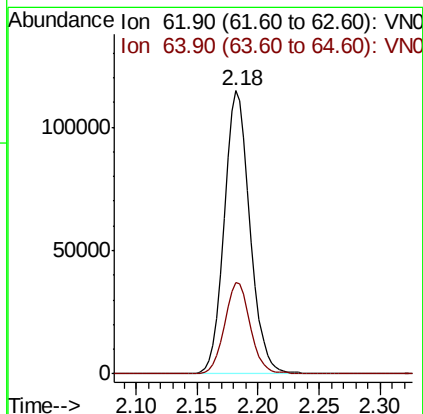
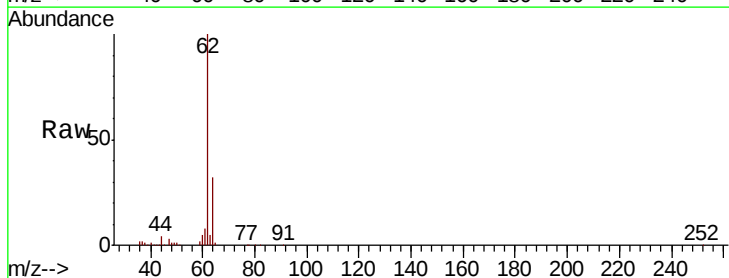
Acq: 10 Sep 2018 16:10

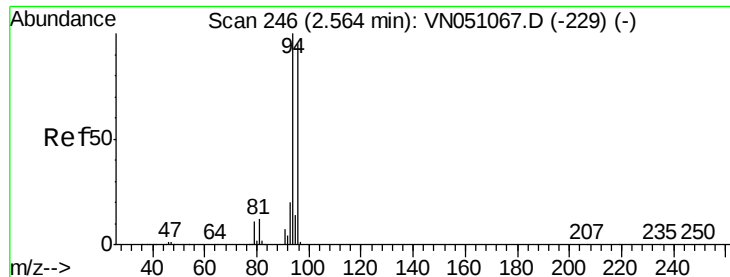
Tgt Ion: 62 Resp: 169980

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 18.93 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 98119

Ion Ratio Lower Upper

94 100

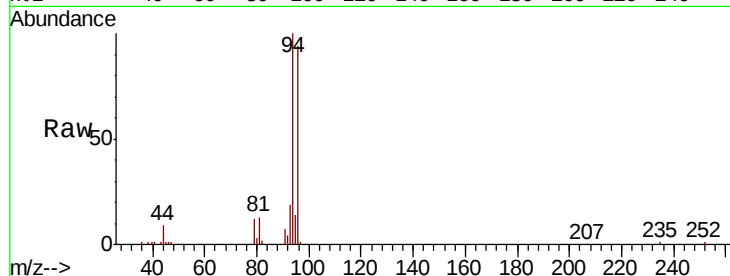
96 94.2 75.9 113.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN051080.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051080.D (-153) (-)

2.56

50000

40000

30000

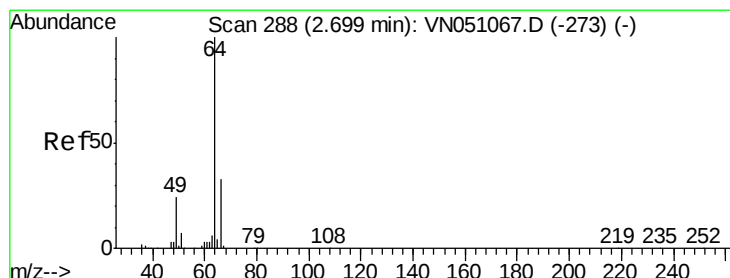
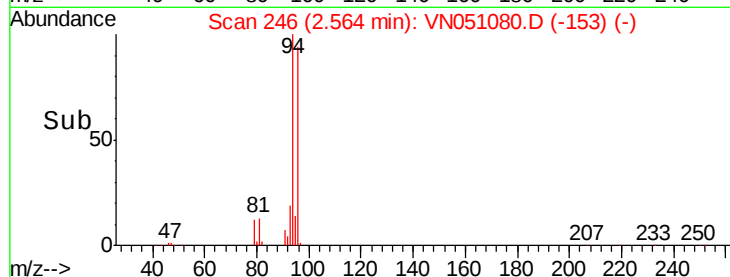
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.14 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051080.D

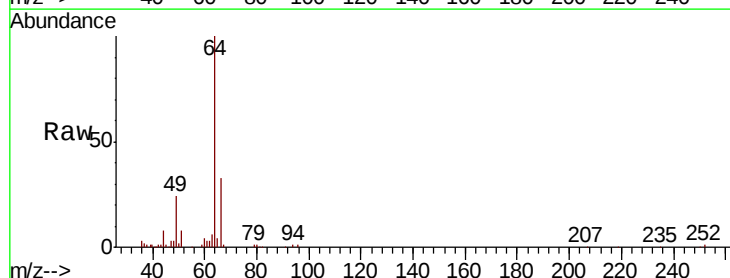
Acq: 10 Sep 2018 16:10

Tgt Ion: 64 Resp: 99596

Ion Ratio Lower Upper

64 100

66 32.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051080.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051080.D (-195) (-)

2.70

50000

40000

30000

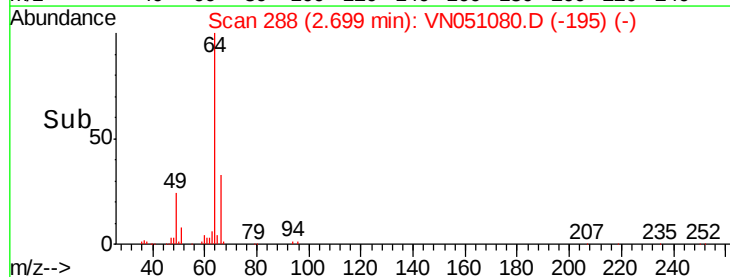
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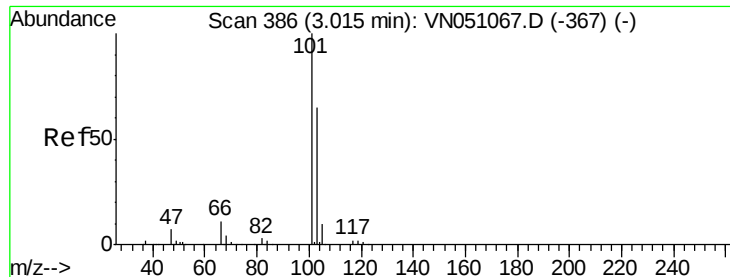
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0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

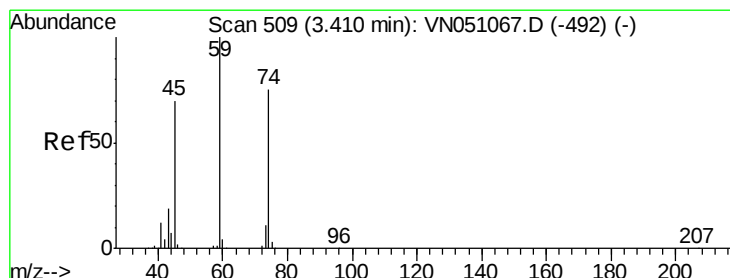
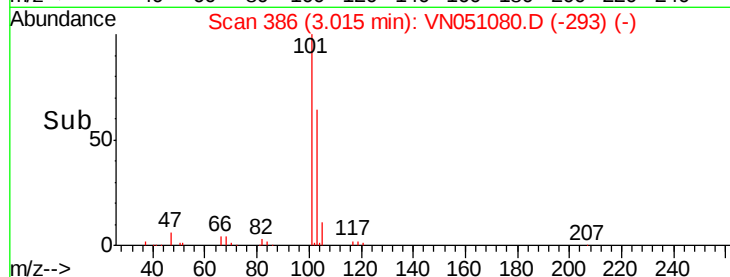
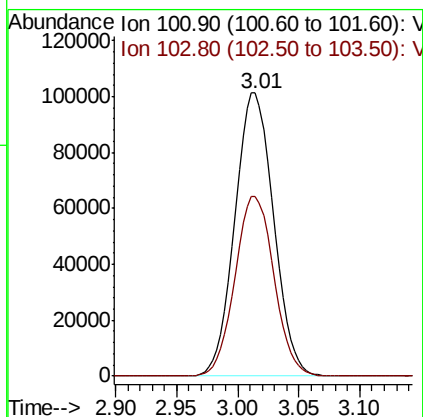
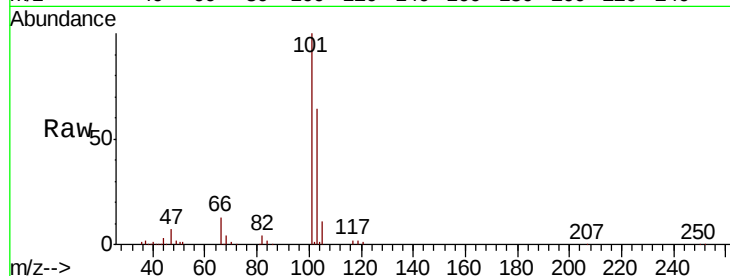
Trichlorofluoromethane
 Concen: 18.93 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.4	78.6

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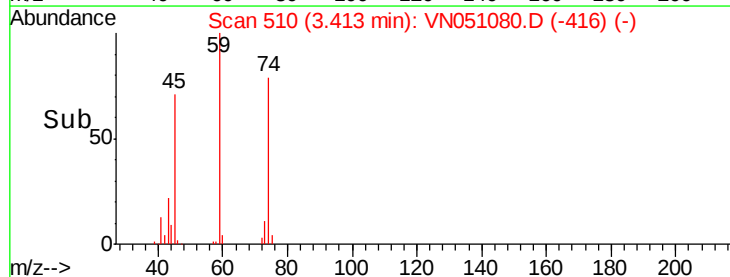
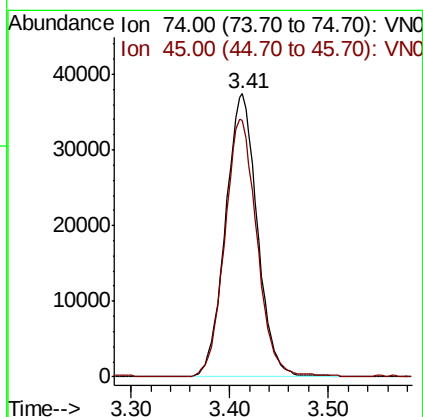
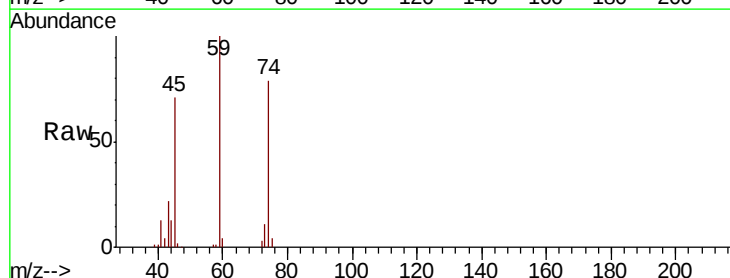
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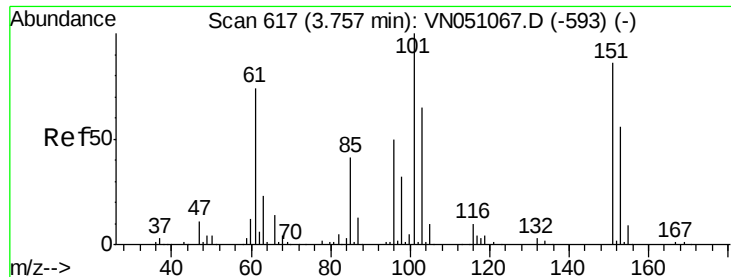


#8

Diethyl Ether
 Concen: 19.38 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.94 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

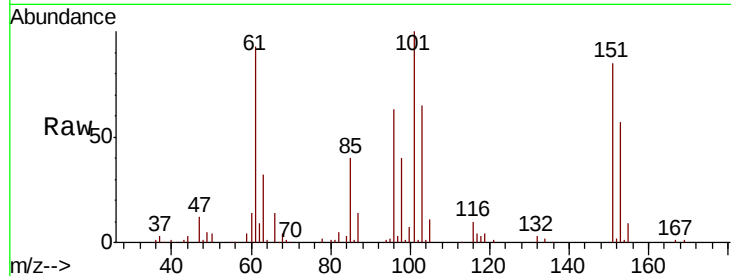
ClientSampleId :

VN0910MBS01

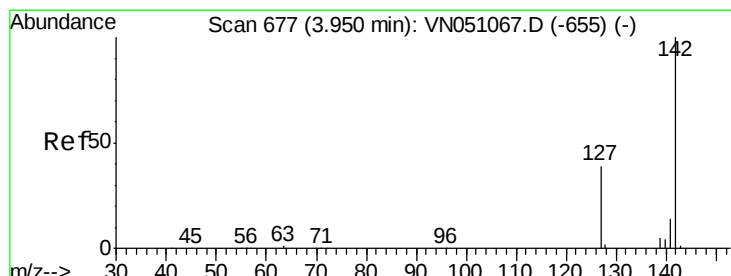
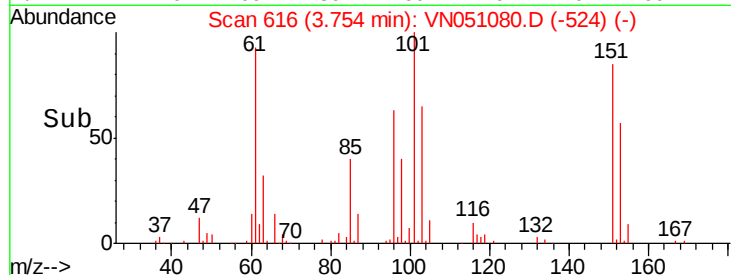
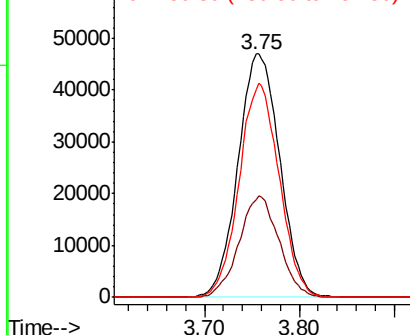
Tot Ion:	101	Resp:	143958
Ion Ratio	Lower	Upper	
101	100		
85	39.8	33.3	49.9
151	84.2	68.2	102.2

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



#10

Methyl Iodide

Concen: 20.22 ug/l

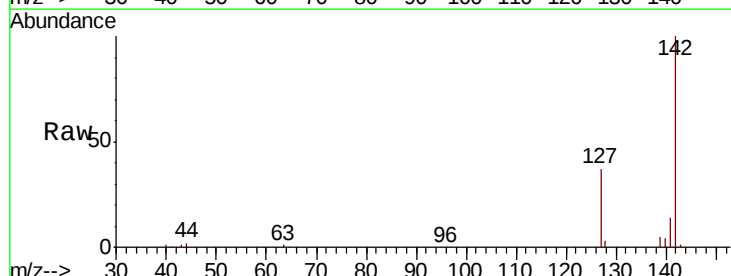
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

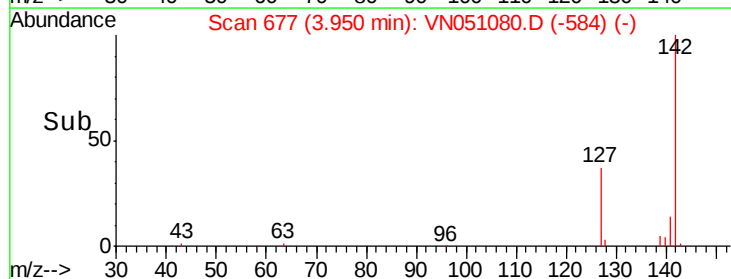
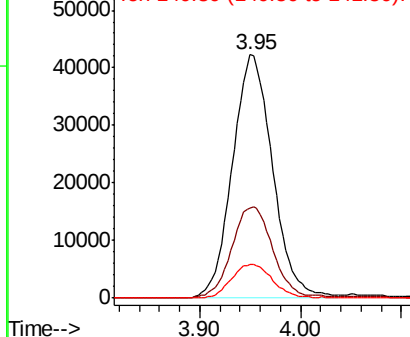
Lab File: VN051080.D

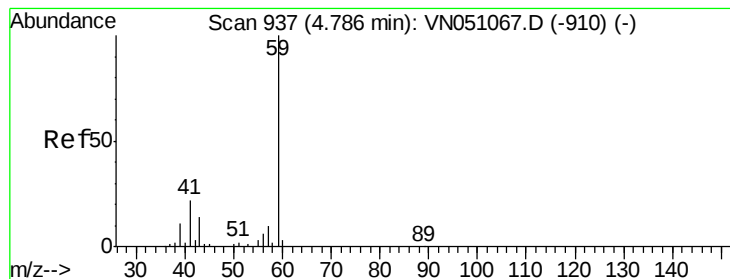
Acq: 10 Sep 2018 16:10

Tgt Ion:	142	Resp:	116882
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	14.2	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

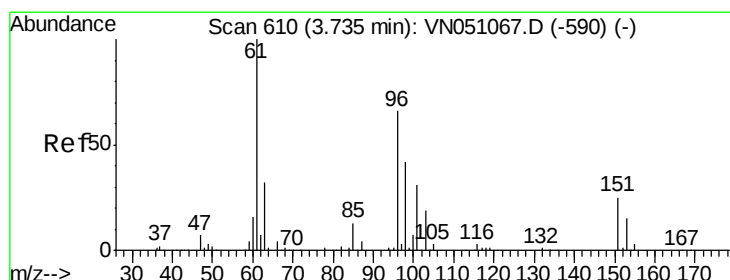
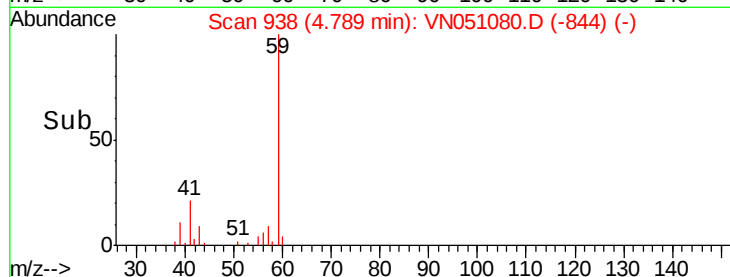
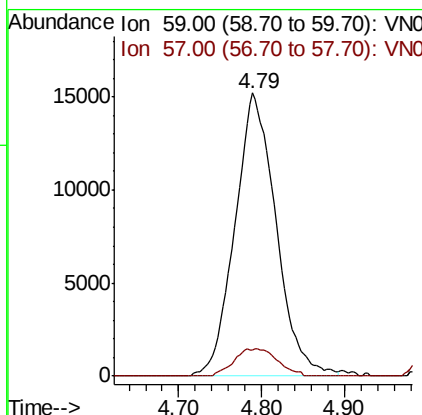
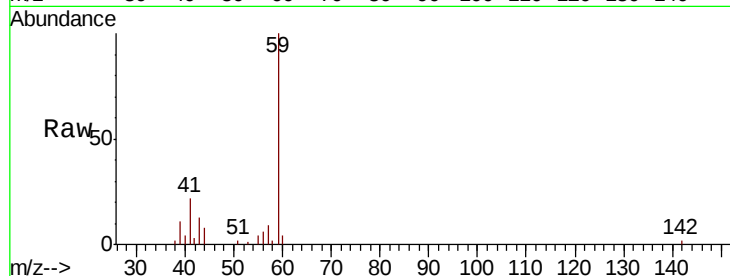
Tert butyl alcohol
 Concen: 91.62 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	8.1	12.1#

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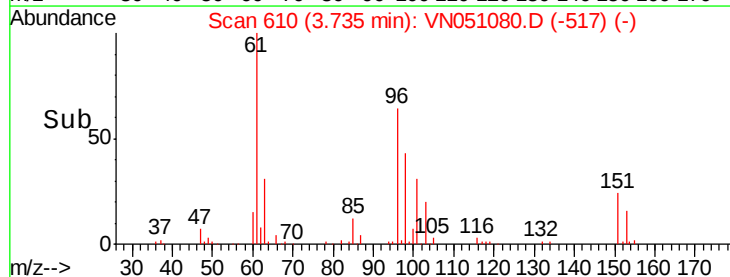
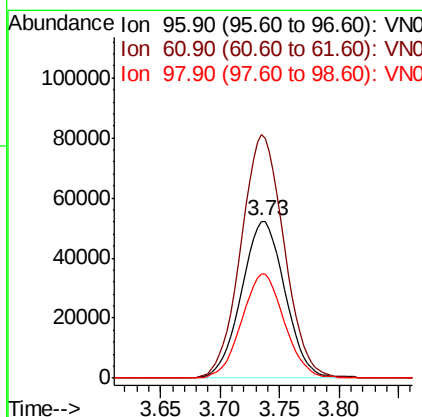
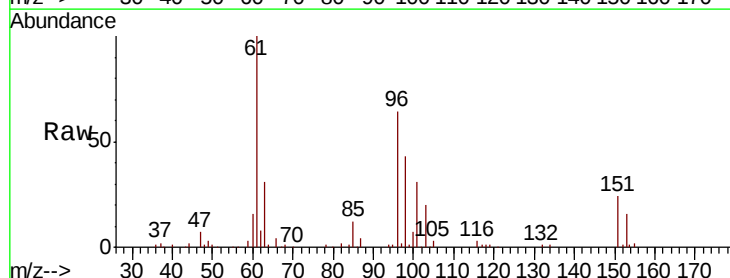
MMDadoda
 9/11/2018 9:40:54 AM

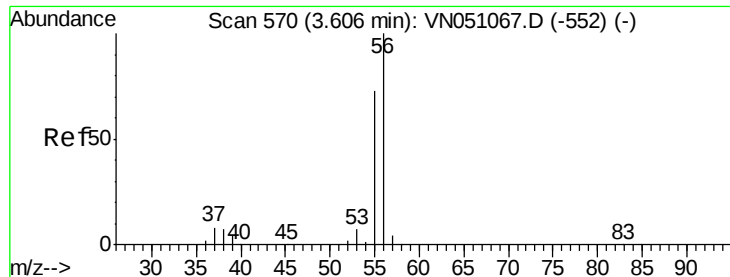


#12

1,1-Dichloroethene
 Concen: 18.49 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	120.3	180.5
98	66.7	50.8	76.2





#13

Acrolein

Concen: 117.54 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 56 Resp: 72034

Ion Ratio Lower Upper

56 100

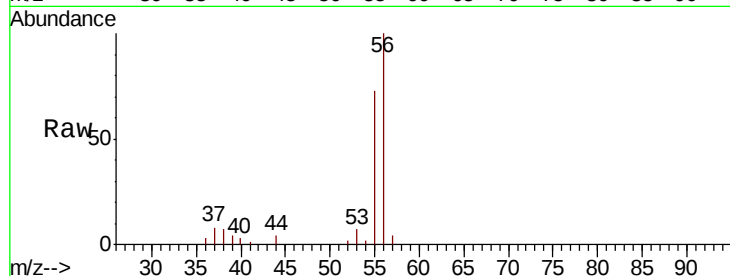
55 71.7 58.0 87.0

Manual Integrations

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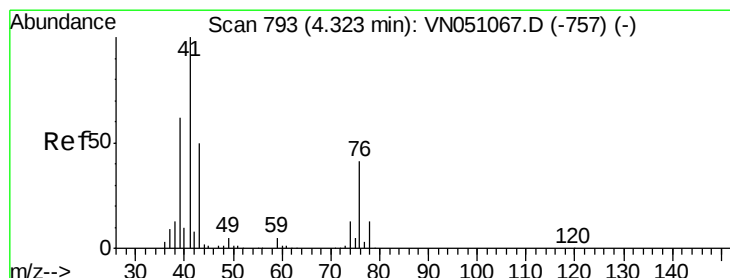
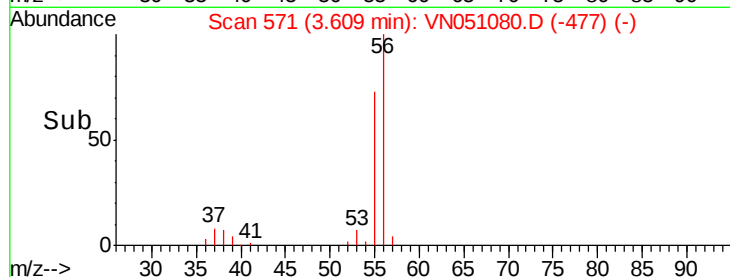
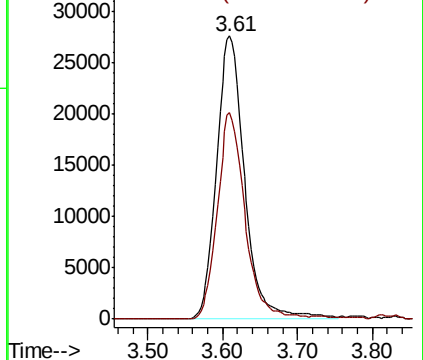
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.65 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

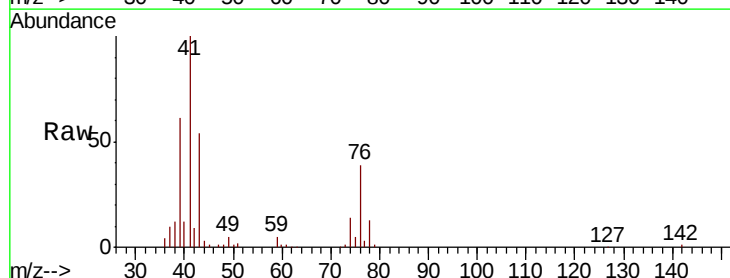
Tgt Ion: 41 Resp: 203680

Ion Ratio Lower Upper

41 100

39 60.8 48.8 73.2

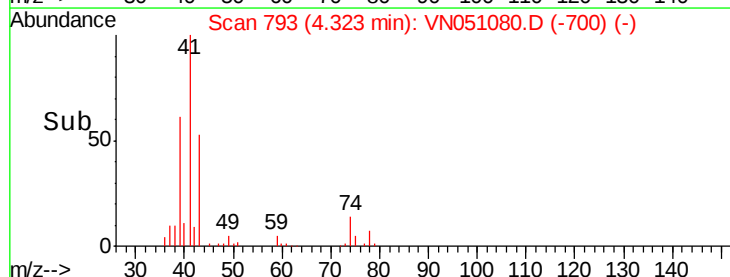
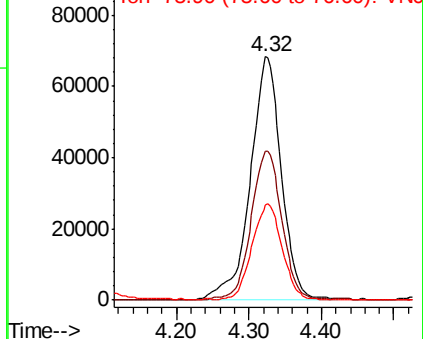
76 38.4 30.6 45.8

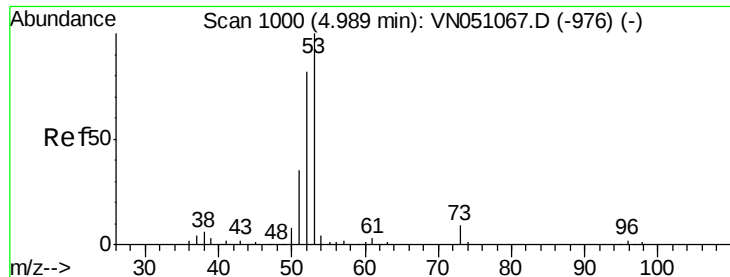


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.88 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

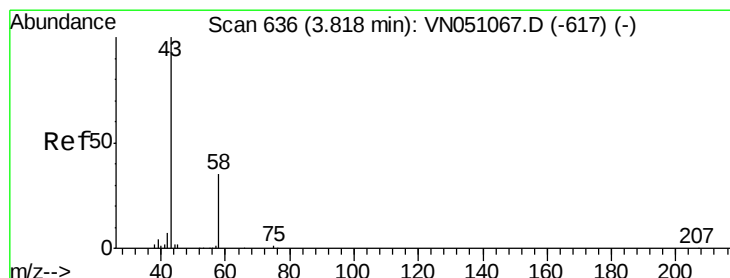
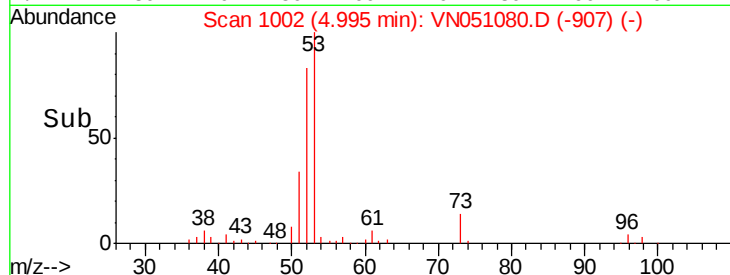
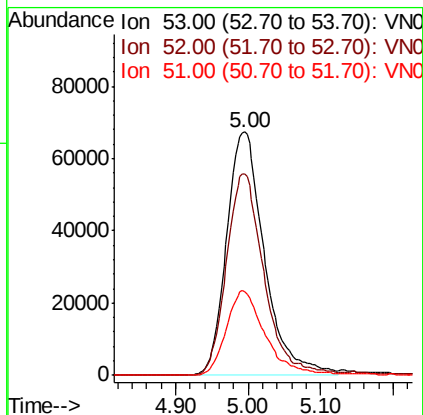
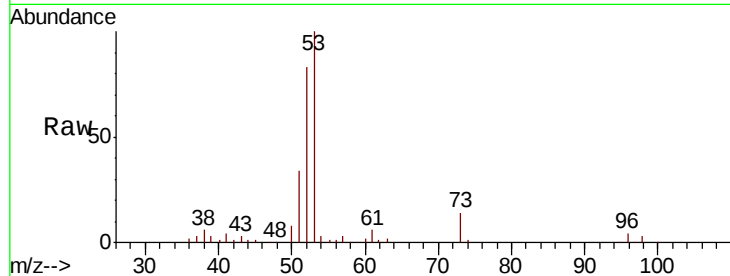
ClientSampleId :

VN0910MBS01

Tot Ion:	53	Resp:	245259
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.3	97.9
51	35.7	28.2	42.2

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#16

Acetone

Concen: 87.72 ug/l

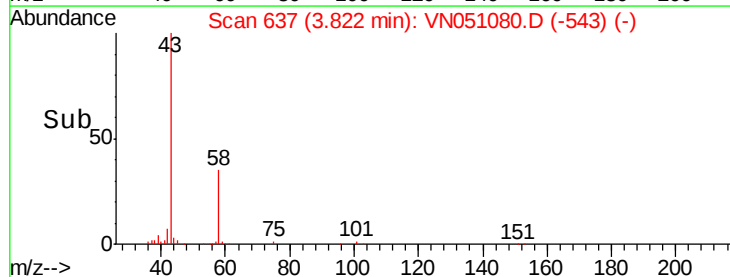
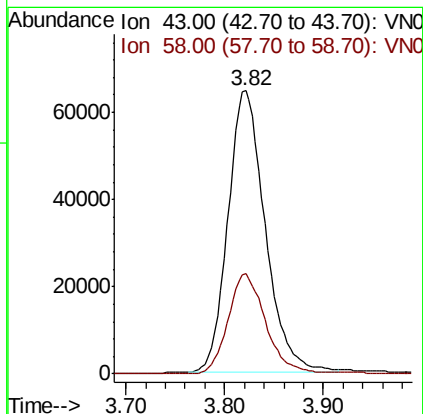
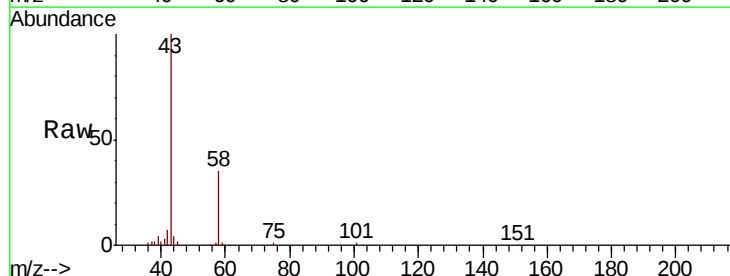
RT: 3.82 min Scan# 637

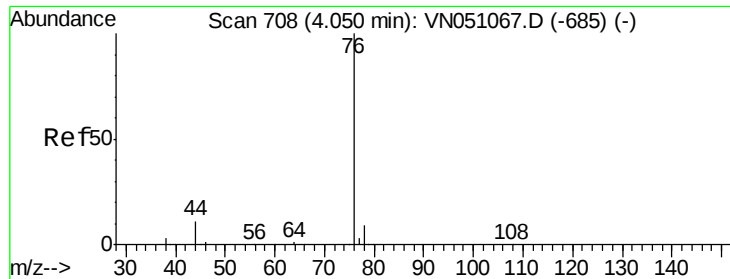
Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion:	43	Resp:	169245
Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.8	41.6





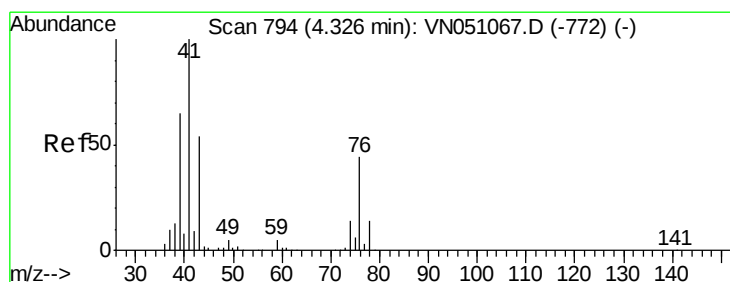
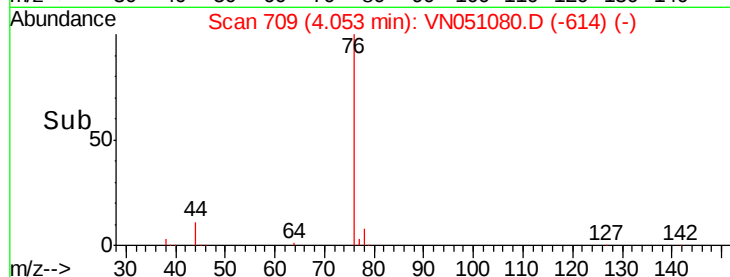
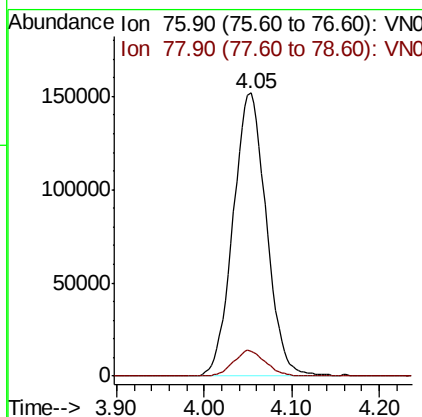
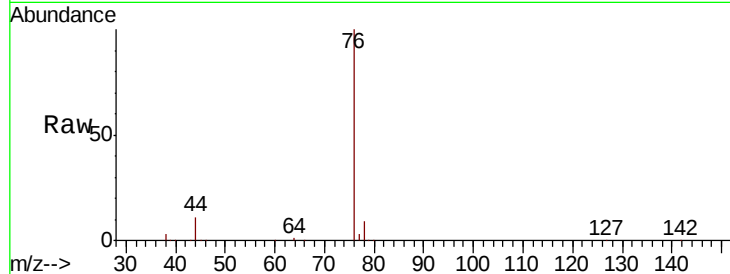
#17
Carbon Disulfide
Concen: 19.05 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion: 76 Resp: 401049
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

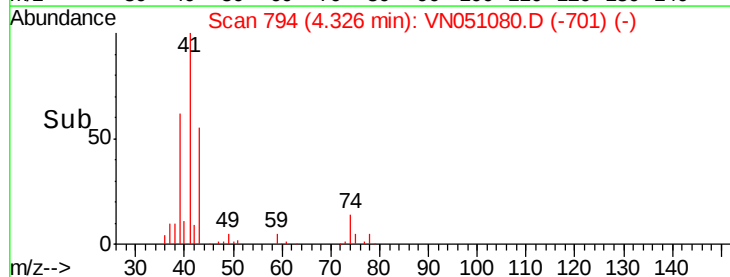
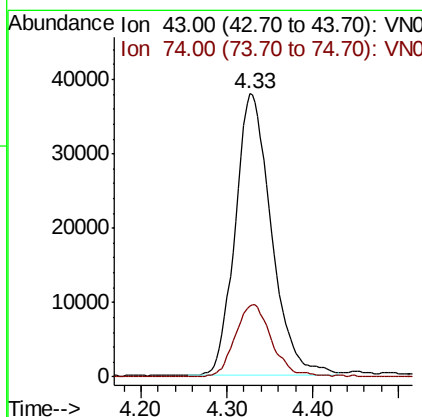
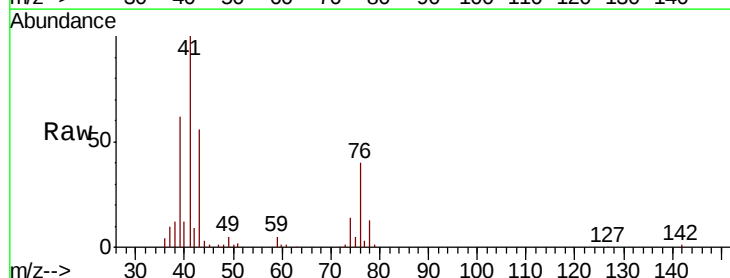
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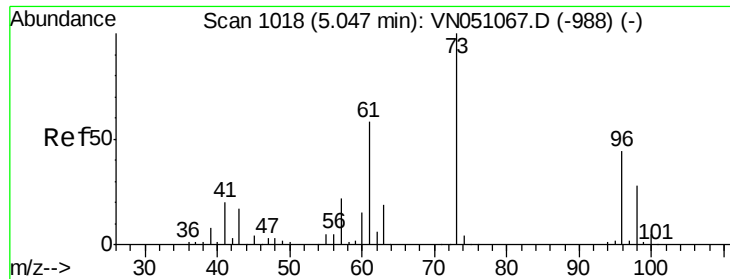
MMDadoda
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#18
Methyl Acetate
Concen: 18.58 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 43 Resp: 111317
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1





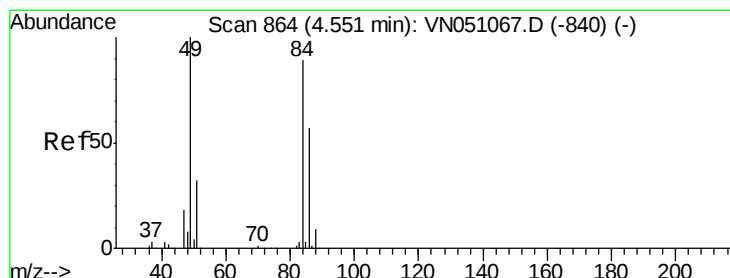
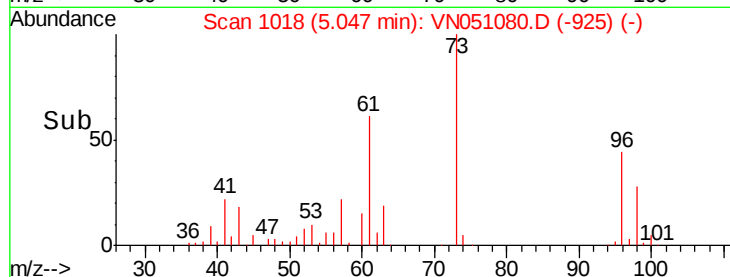
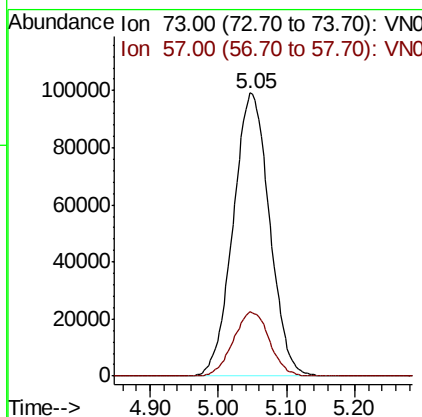
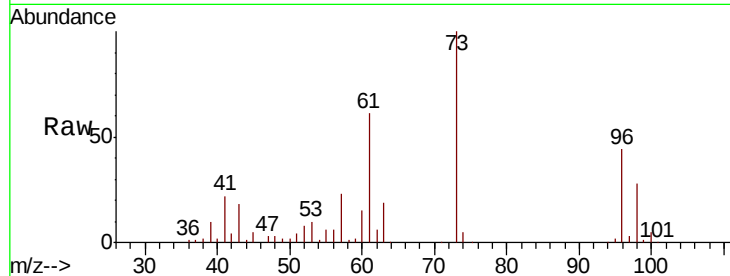
#19
Methvl tert-butvl Ether
Concen: 19.33 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

Tot Ion: 73 Resp: 366401
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9

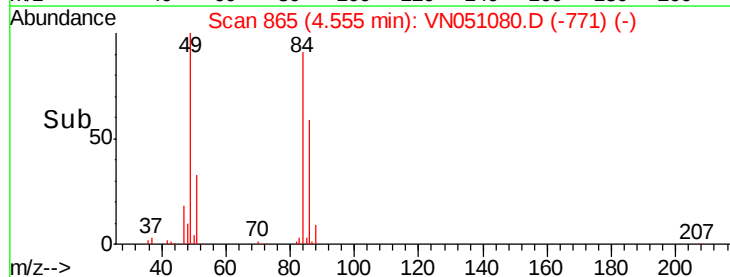
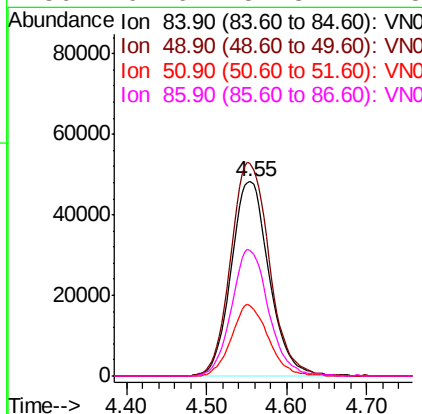
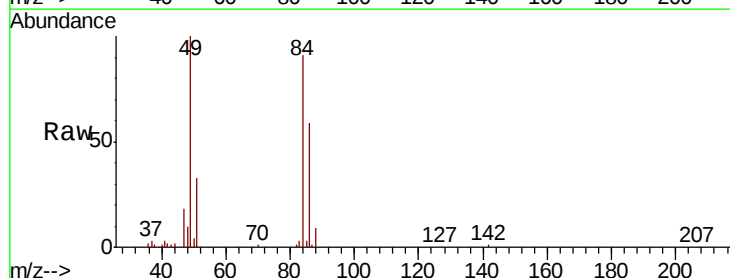
Manual Integrations
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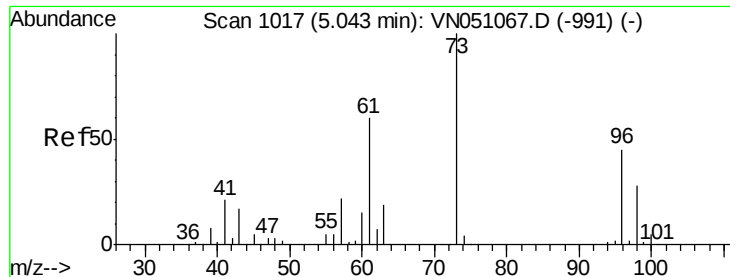
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#20
Methylene Chloride
Concen: 18.83 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 84 Resp: 155591
Ion Ratio Lower Upper
84 100
49 109.4 90.2 135.2
51 36.4 28.4 42.6
86 64.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 18.21 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS01

Tot Ion: 96 Resp: 141609

Ion Ratio Lower Upper

96 100

61 141.4 106.5 159.7

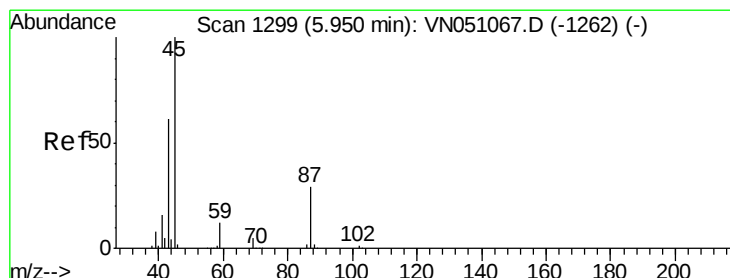
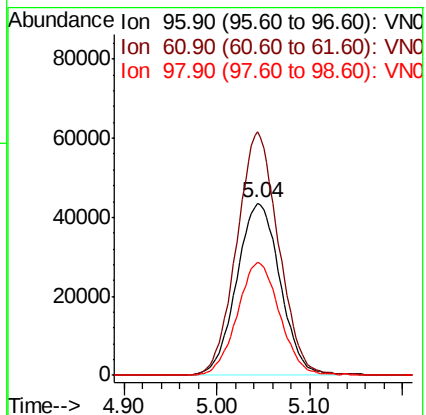
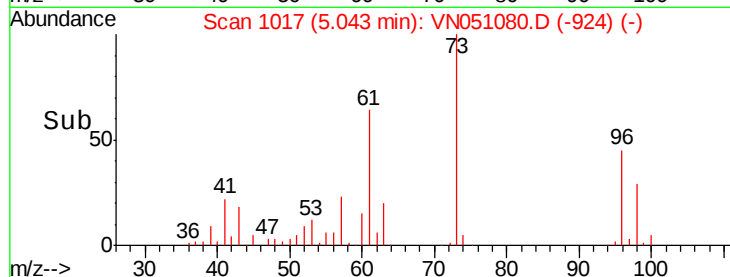
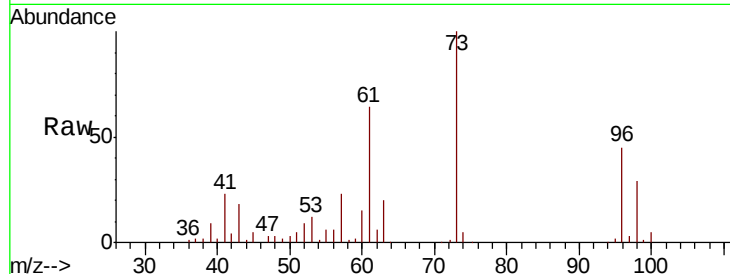
98 65.4 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.08 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion: 45 Resp: 435314

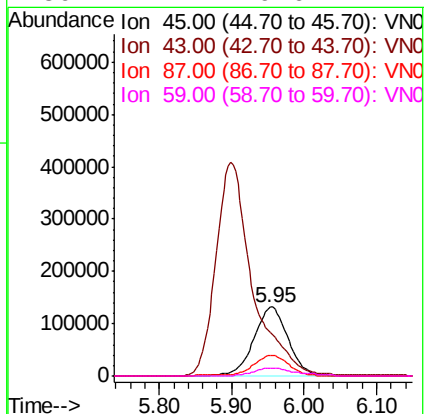
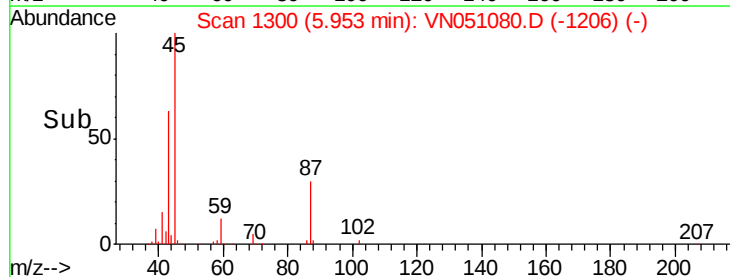
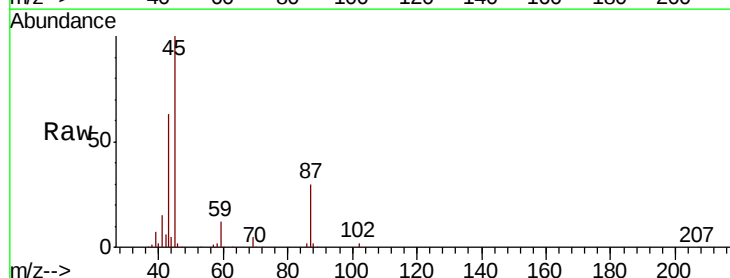
Ion Ratio Lower Upper

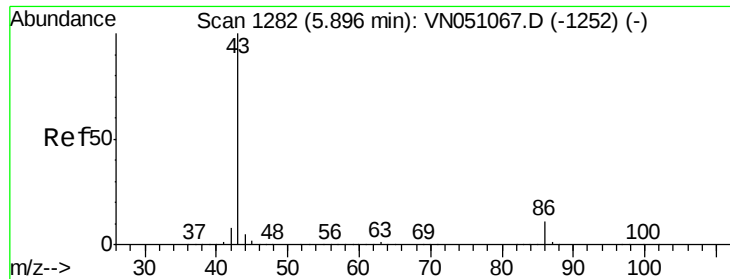
45 100

43 61.0 48.8 73.2

87 29.8 23.8 35.8

59 11.7 9.6 14.4





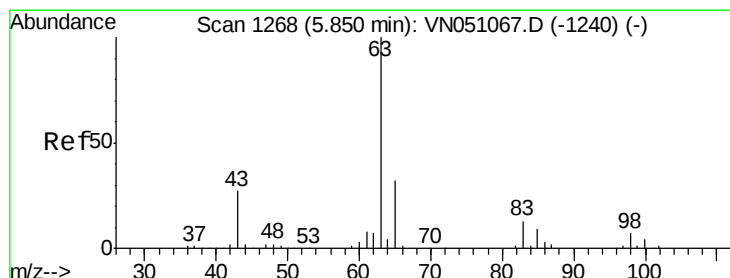
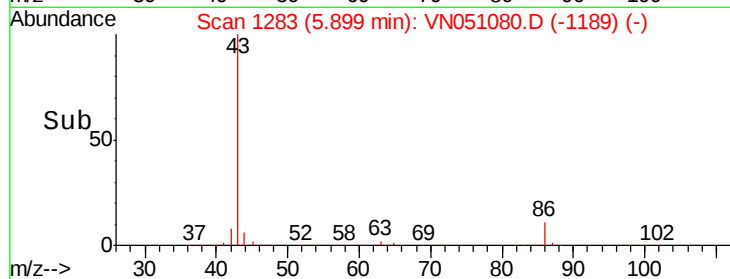
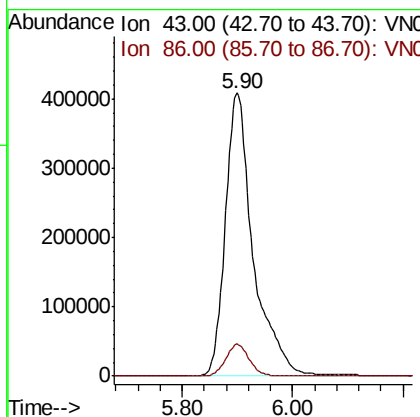
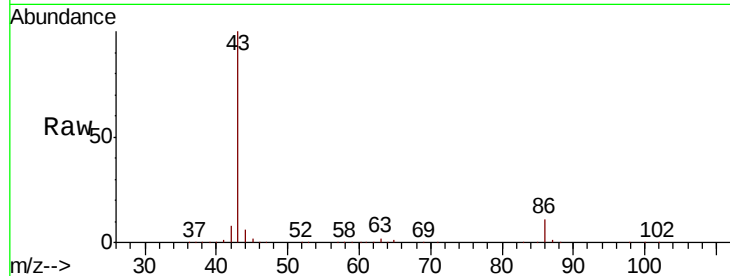
#23
 Vinyl Acetate
 Concen: 97.73 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	43	Resp	1434061
Ion Ratio	100	Lower	Upper
43	100		
86	11.3	9.2	13.8

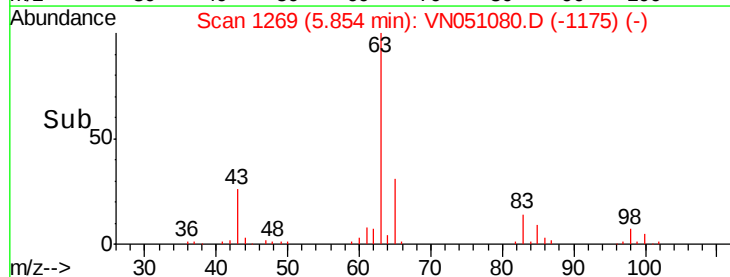
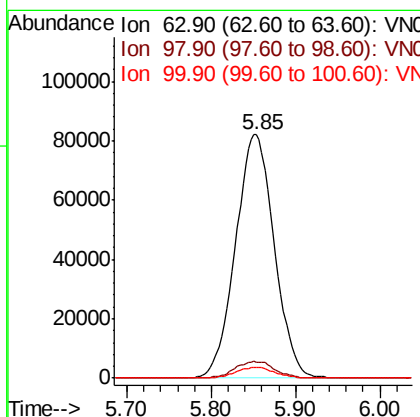
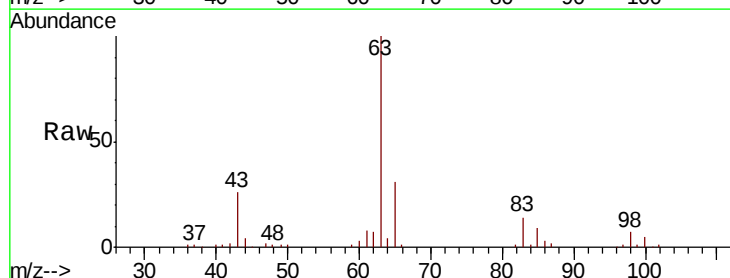
Manual Integrations
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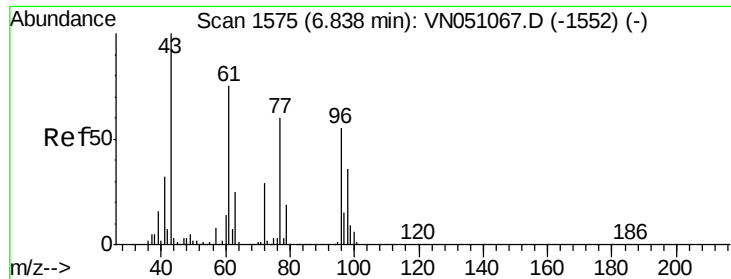
MMDadoda
 9/11/2018 9:40:54 AM



#24
 1,1-Dichloroethane
 Concen: 19.03 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	63	Resp	261785
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.6	2.1	6.3





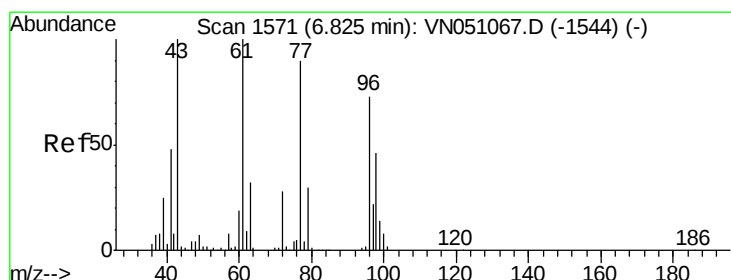
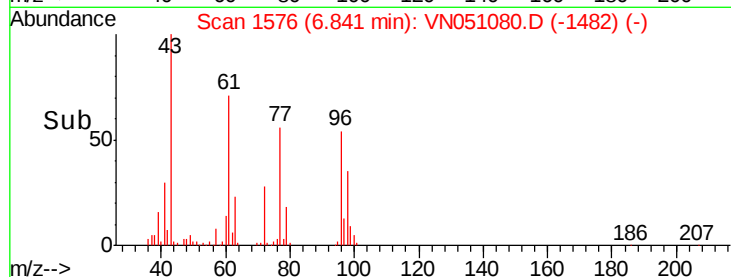
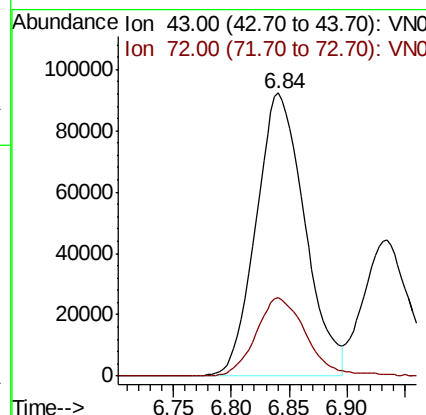
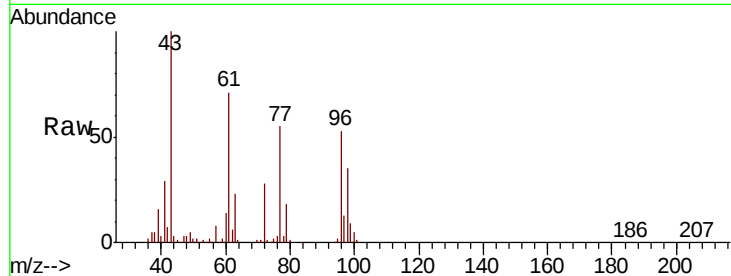
#25
2-Butanone
Concen: 91.30 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

Tot Ion: 43 Resp: 268516
Ion Ratio Lower Upper
43 100
72 27.7 23.0 34.6

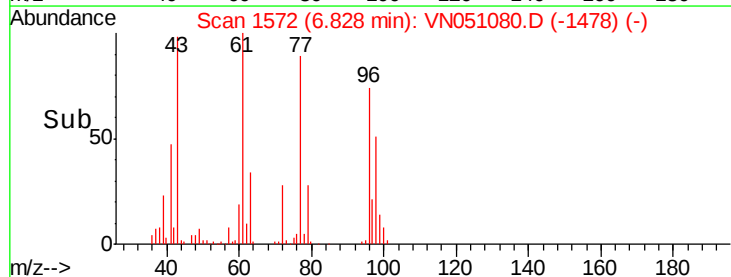
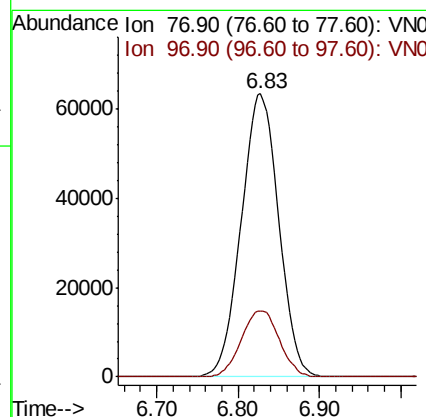
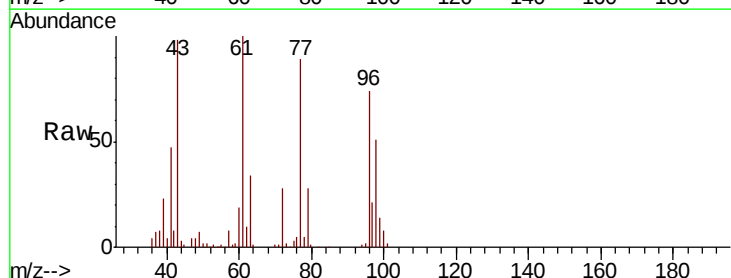
Manual Integrations
APPROVED

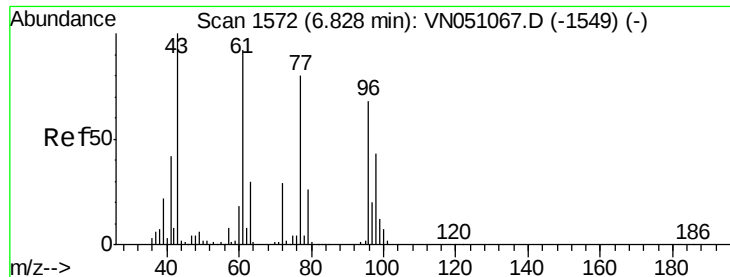
MMDadoda
9/11/2018 9:40:54 AM



#26
2,2-Dichloropropane
Concen: 17.89 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 77 Resp: 201429
Ion Ratio Lower Upper
77 100
97 23.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.77 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

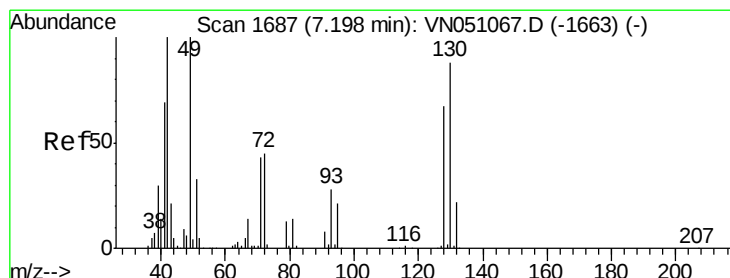
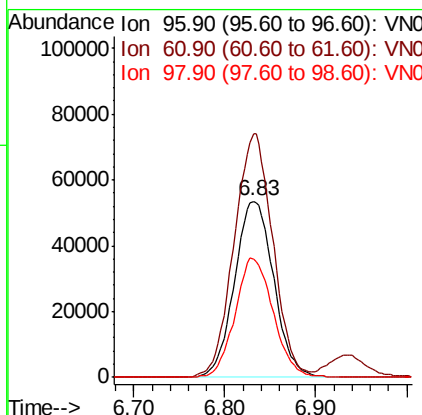
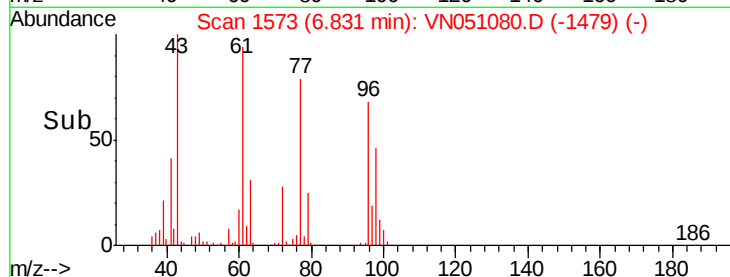
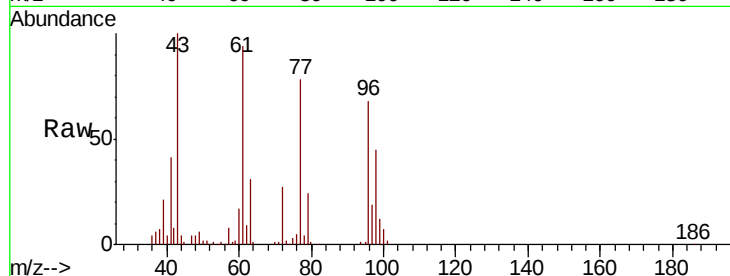
ClientSampleId :

VN0910MBS01

Tot Ion:	96	Resp:	160129
Ion Ratio	Lower	Upper	
96	100		
61	136.7	0.0	278.2
98	65.6	0.0	129.4

Manual Integrations
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9/11/2018 9:40:54 AM



#28

Bromochloromethane

Concen: 23.50 ug/l

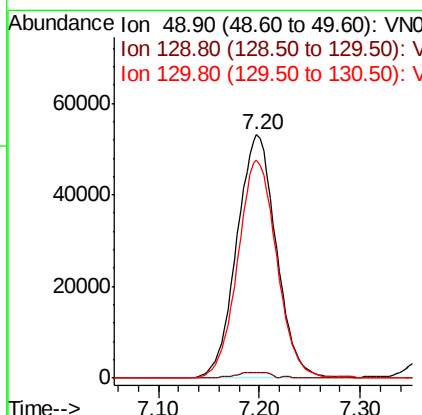
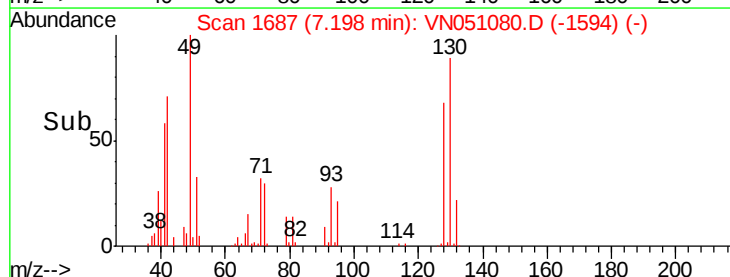
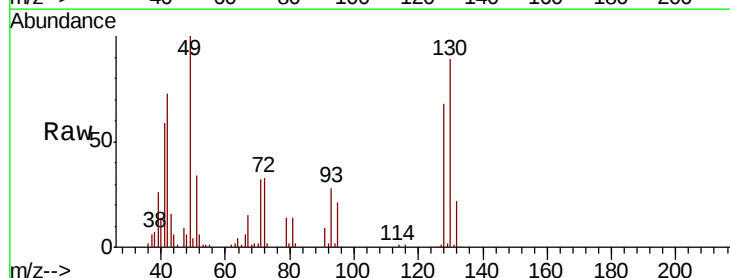
RT: 7.20 min Scan# 1687

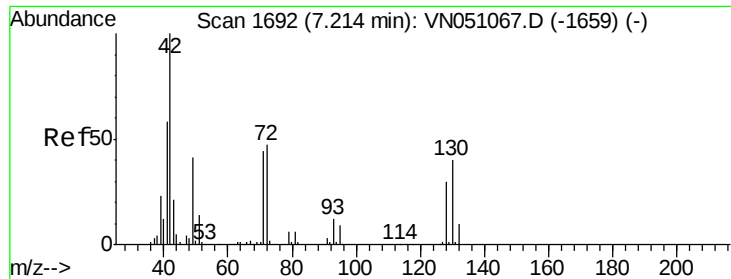
Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion:	49	Resp:	143921
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.4
130	88.2	70.7	106.1





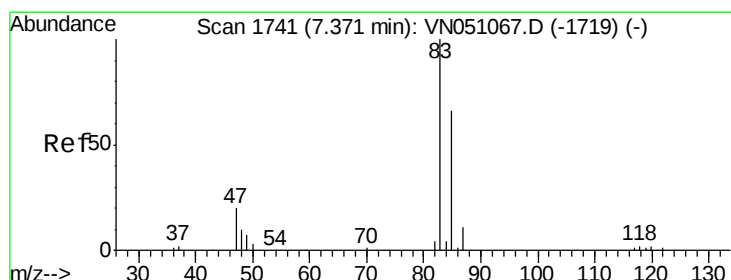
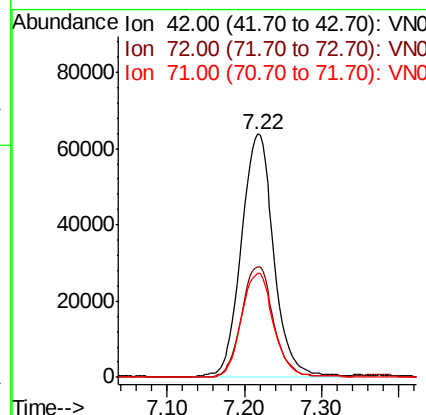
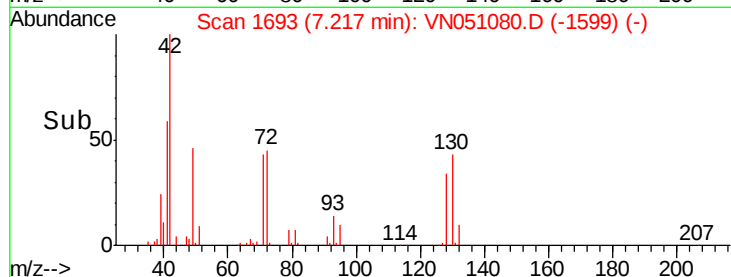
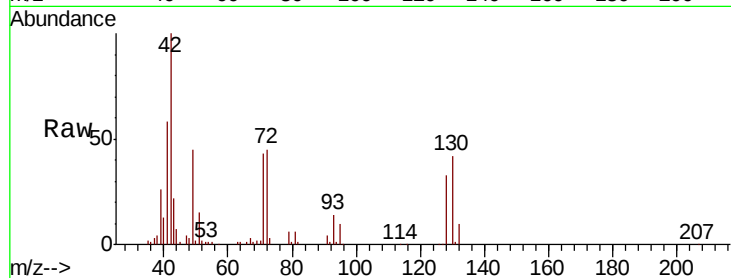
#29
Tetrahydrofuran
Concen: 100.45 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.4	56.0
71	42.8	34.7	52.1

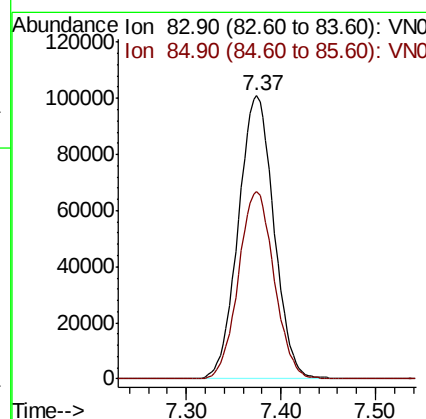
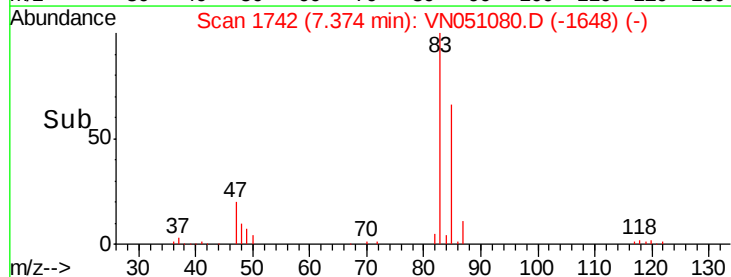
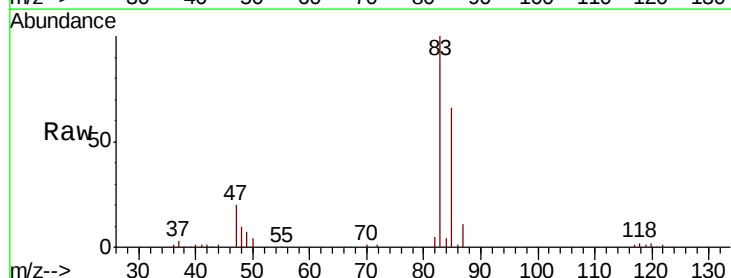
Manual Integrations
APPROVED

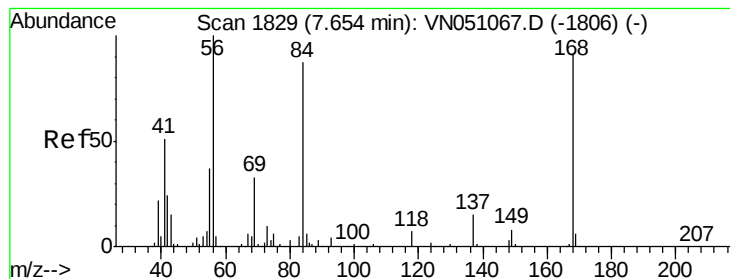
MMDadoda
9/11/2018 9:40:54 AM



#30
Chloroform
Concen: 19.29 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	79.0





#31

Cyclohexane

Concen: 19.22 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

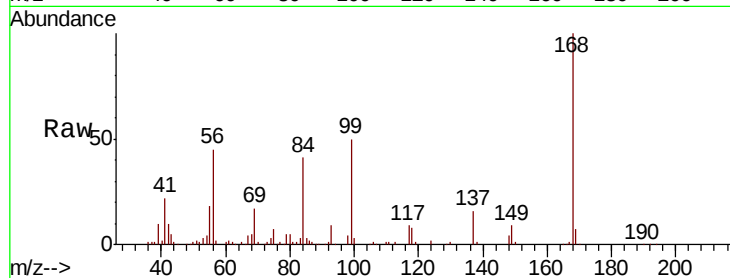
ClientSampled :

VN0910MBS01

Tot Ion:	56	Resp:	237447
Ion Ratio	Lower	Upper	
56	100		
69	37.1	26.3	39.5
84	89.9	69.4	104.0

Manual Integrations
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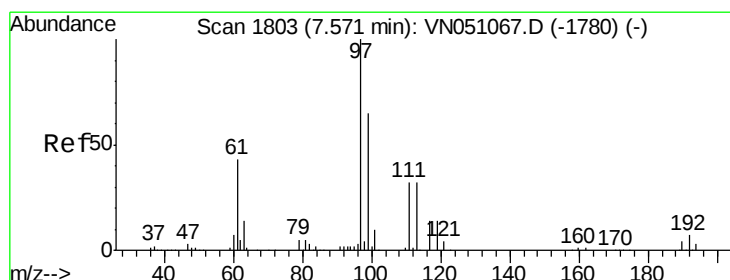
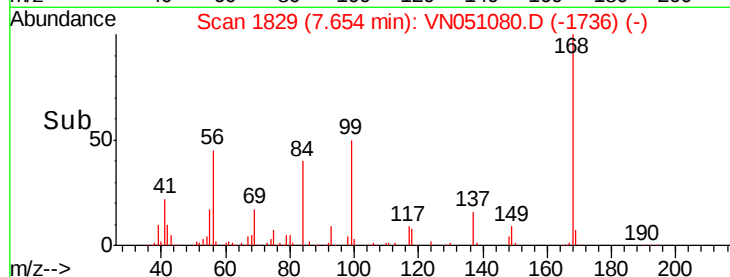
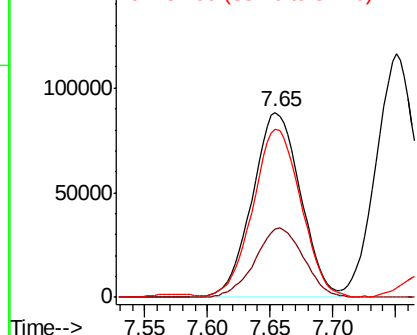


Abundance

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: 19.39 ug/l

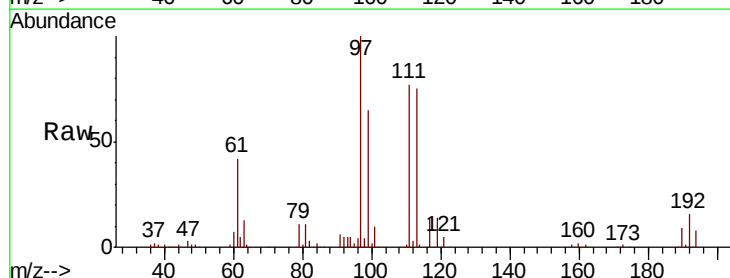
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion:	97	Resp:	226109
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.6	77.4
61	42.0	33.8	50.6

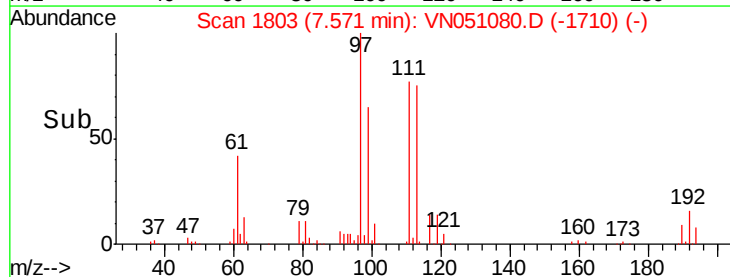
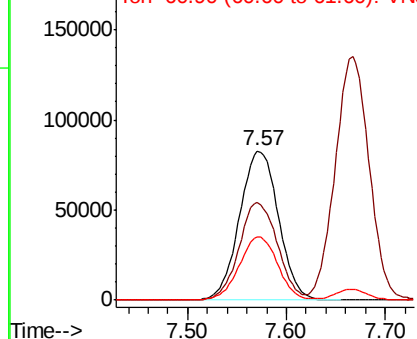


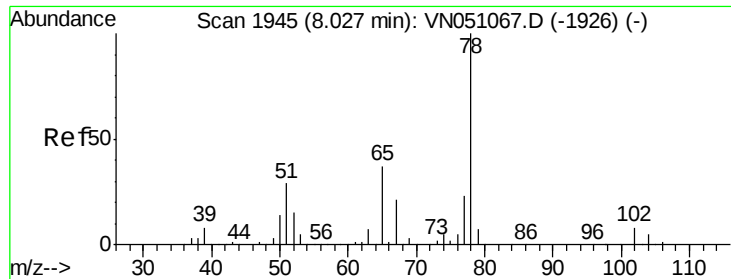
Abundance

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





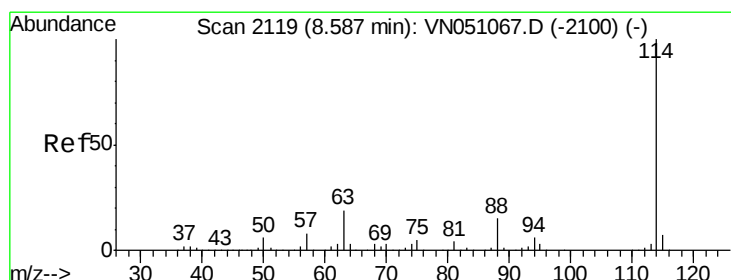
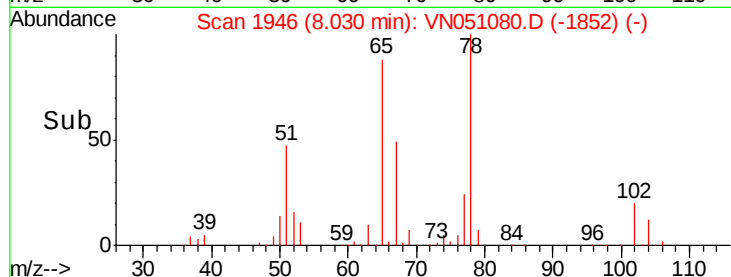
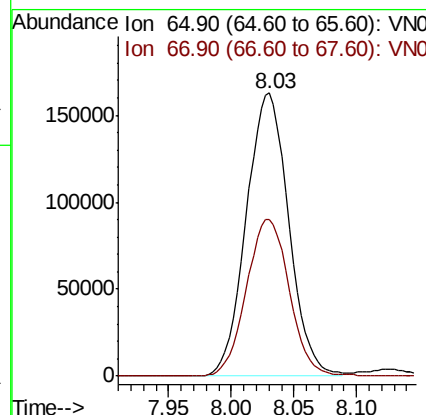
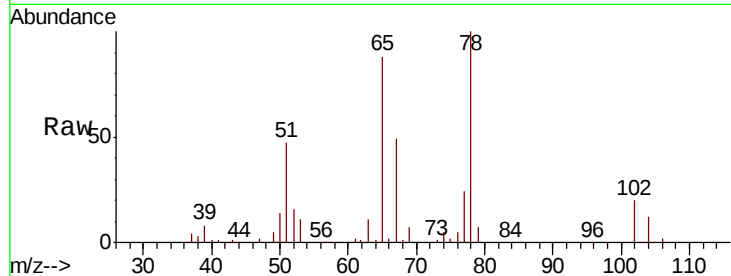
#33
 1,2-Dichloroethane-d4
 Concen: 51.26 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.1	0.0	112.0	

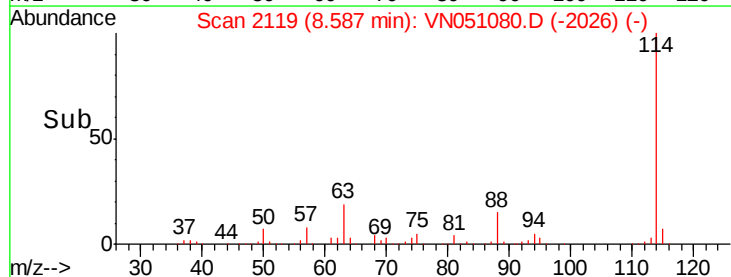
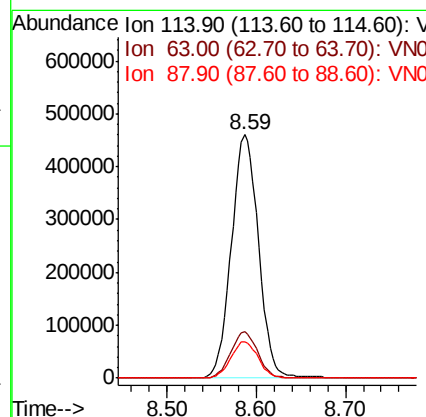
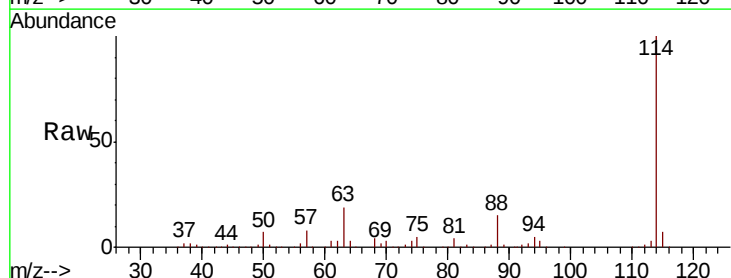
Manual Integrations
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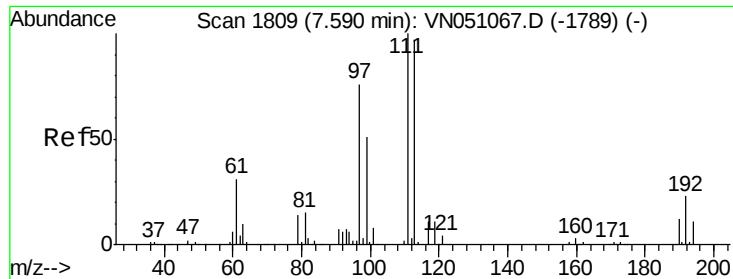
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	37.8	
88	15.1	0.0	30.8	





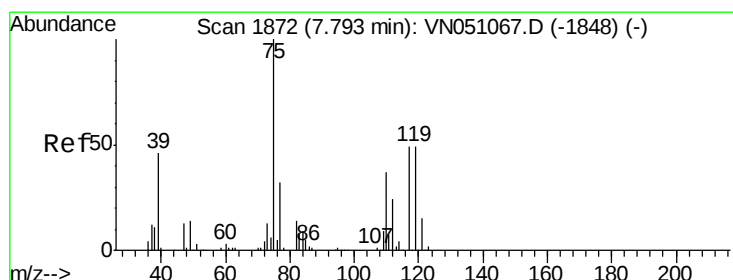
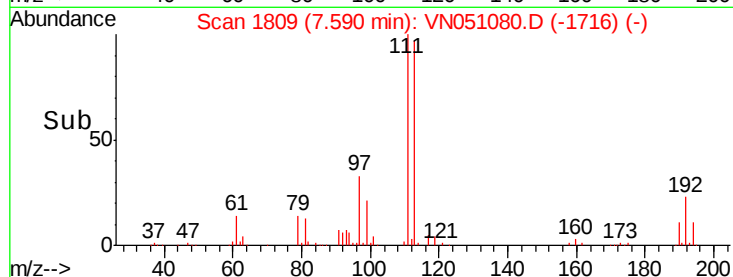
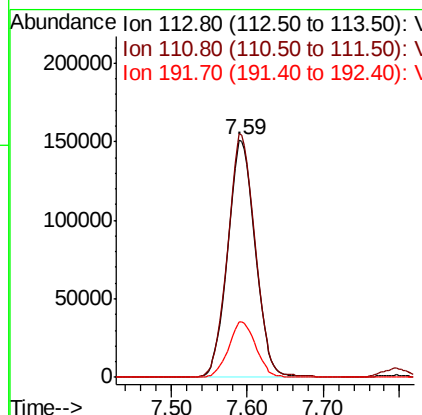
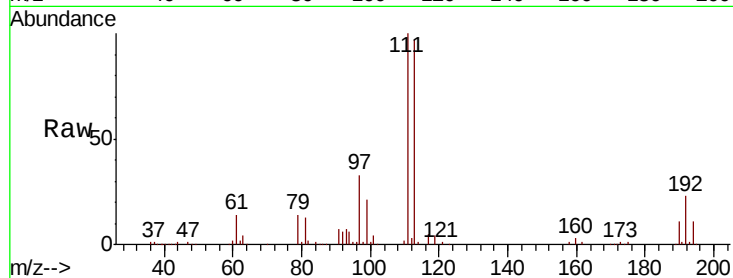
#35
 Dibromofluoromethane
 Concen: 52.07 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	83.0	124.6	
192	23.3	18.7	28.1	

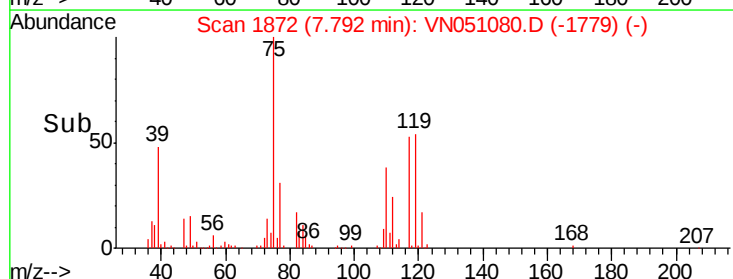
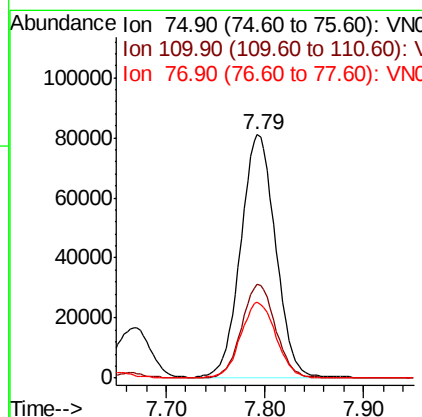
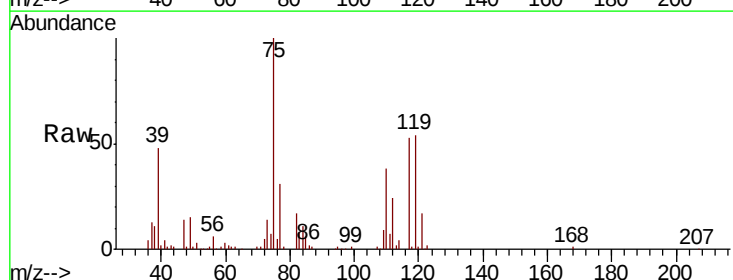
Manual Integrations
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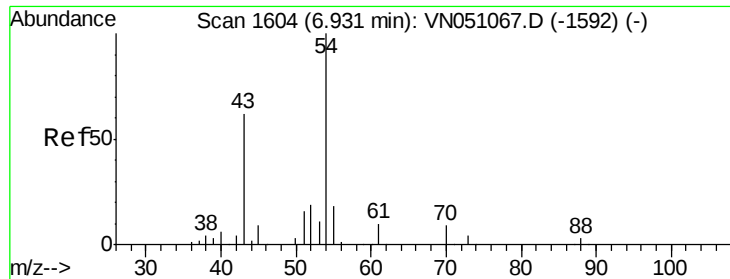
MMDadoda
 9/11/2018 9:40:54 AM



#36
 1,1-Dichloropropene
 Concen: 18.54 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	18.6	55.8	
77	31.6	25.2	37.8	





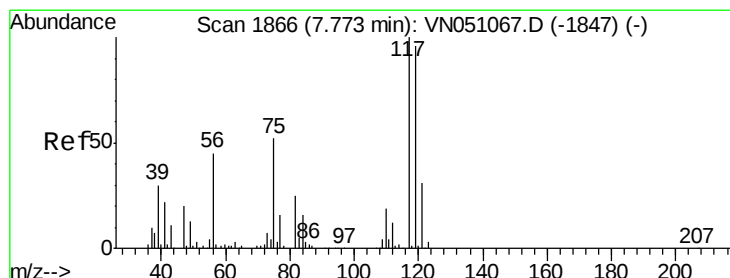
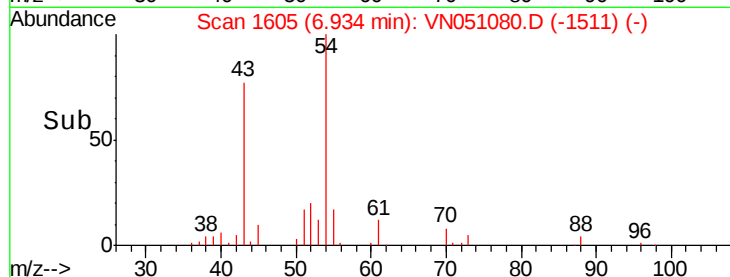
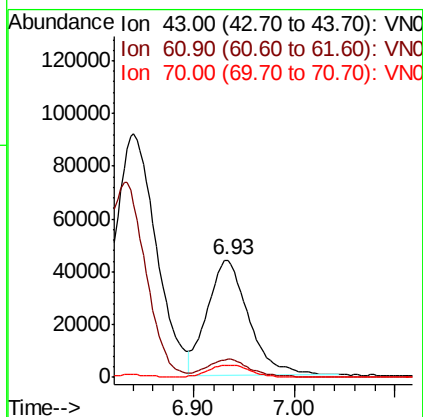
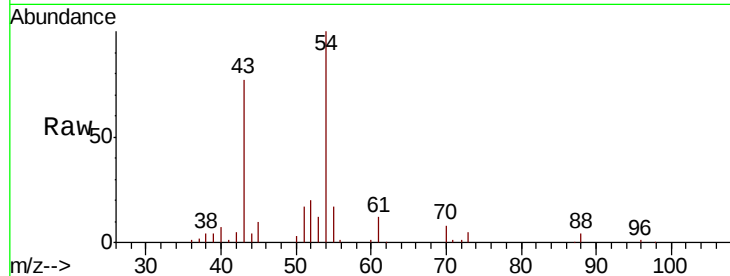
#37
Ethyl Acetate
Concen: 20.37 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.4	18.6
70	10.7	9.3	13.9

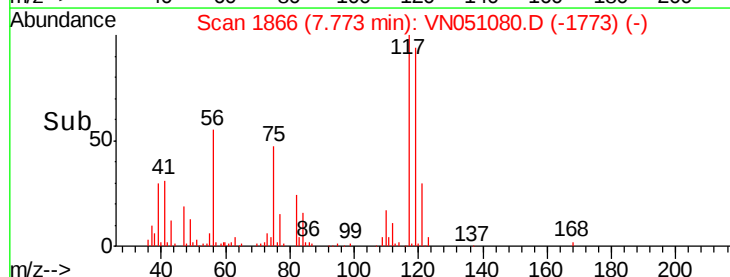
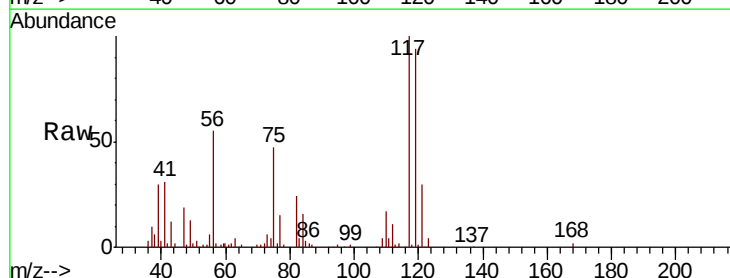
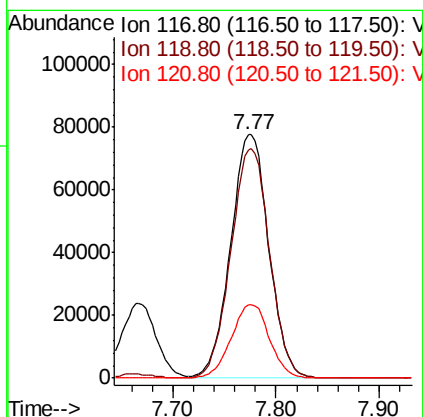
Manual Integrations
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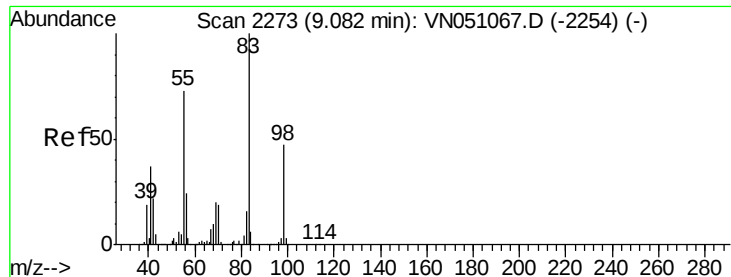
MMDadoda
9/11/2018 9:40:54 AM



#38
Carbon Tetrachloride
Concen: 19.05 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.8	115.2
121	30.2	24.6	36.8





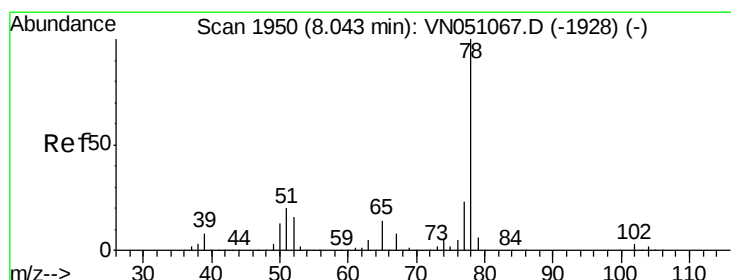
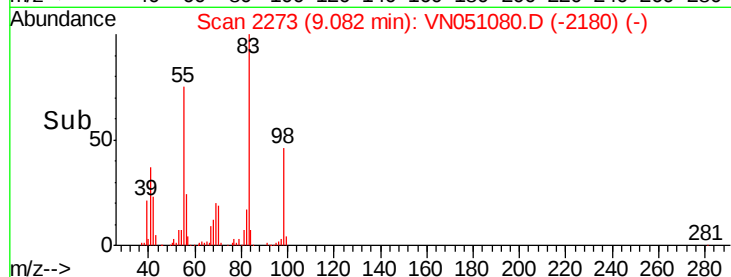
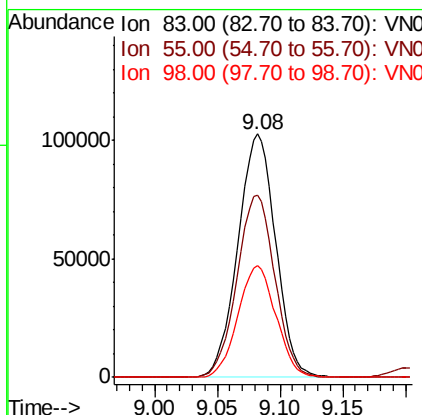
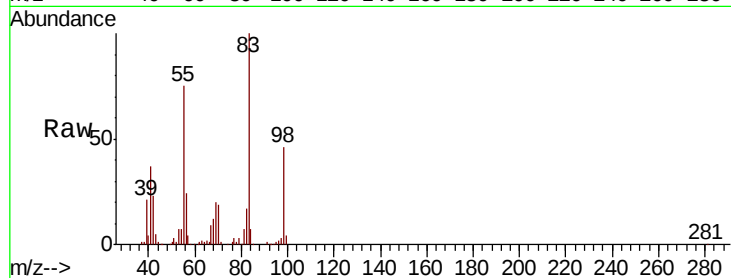
#39
Methvlcvclohexane
Concen: 18.31 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	58.4	87.6
98	45.7	37.3	55.9

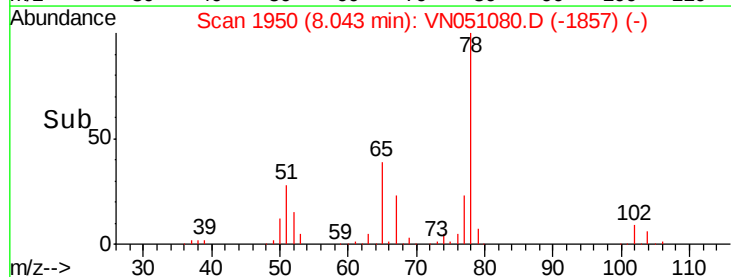
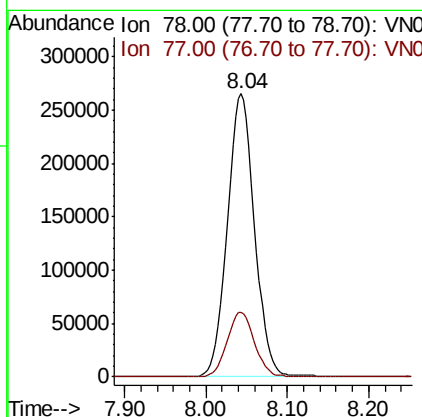
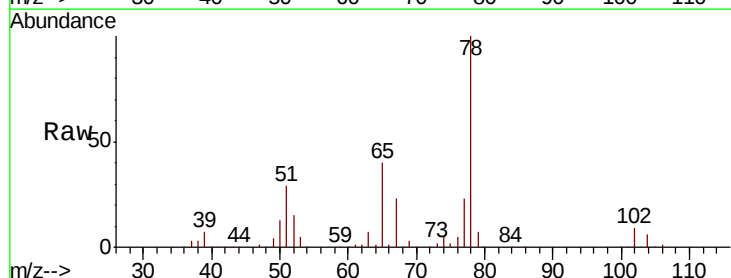
Manual Integrations
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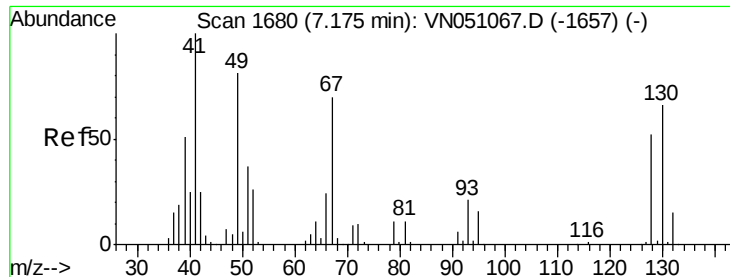
MMDadoda
9/11/2018 9:40:54 AM



#40
Benzene
Concen: 19.29 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	27.8





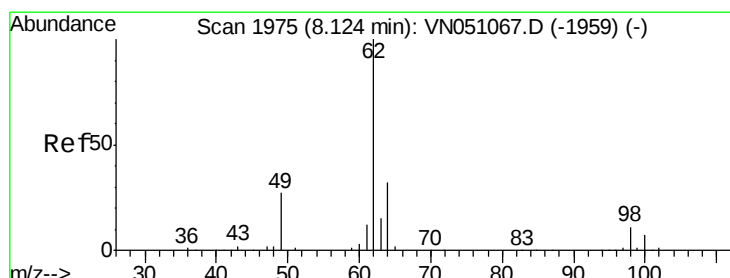
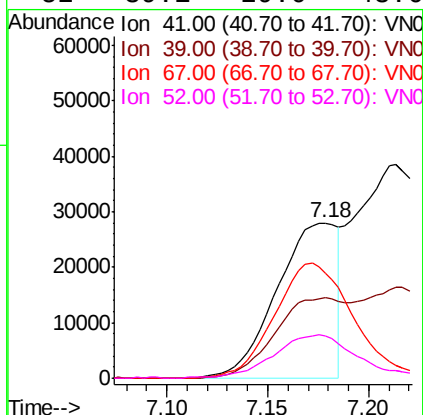
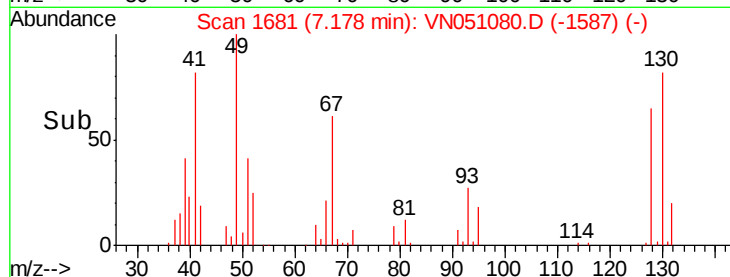
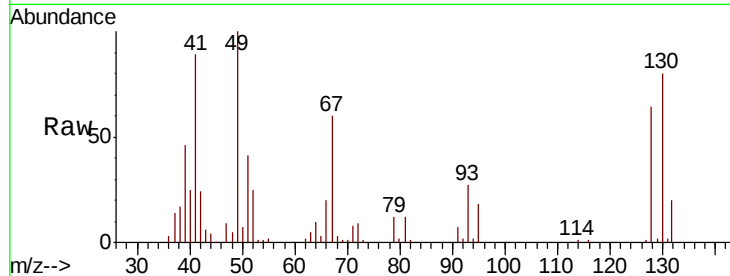
#41
Methacrylonitrile
Concen: 18.32 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.5	51.3	76.9
67	97.7	78.5	117.7
52	39.1	29.0	43.6

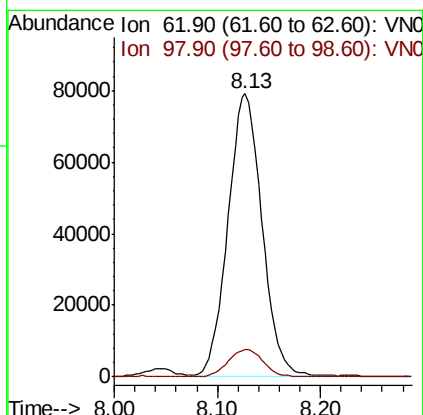
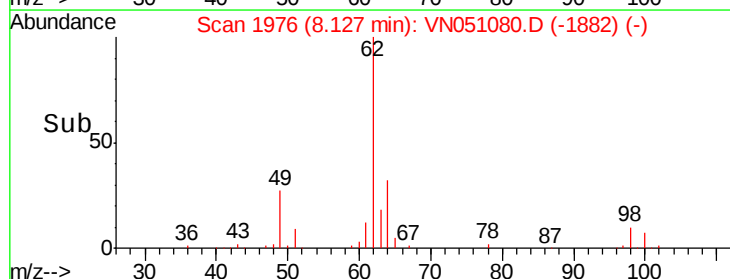
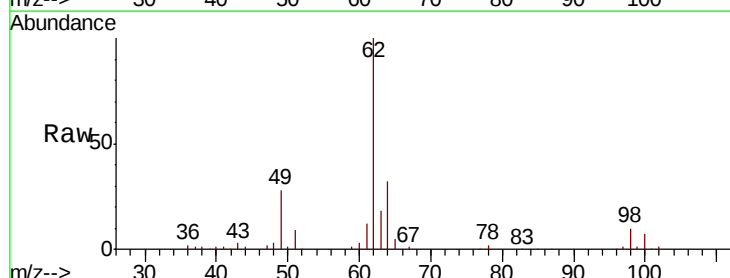
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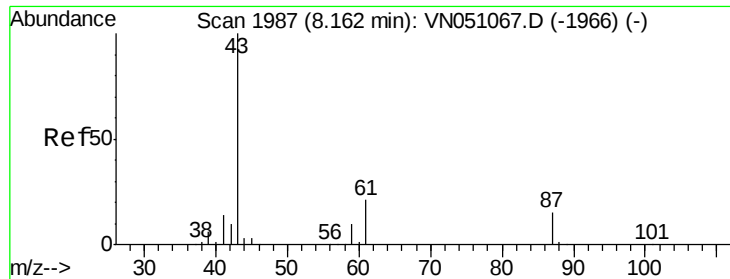
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.35 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0





#43

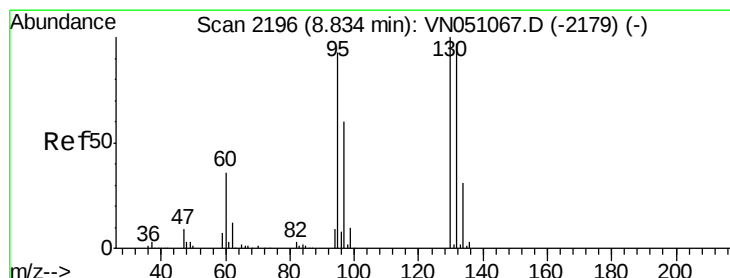
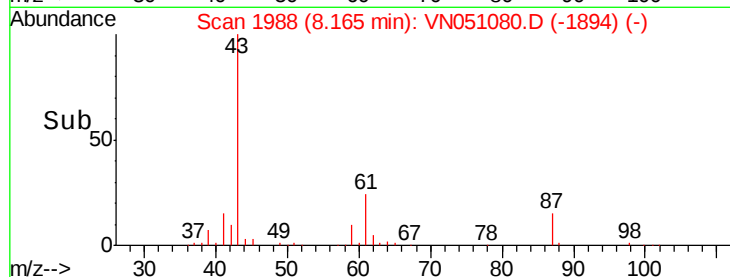
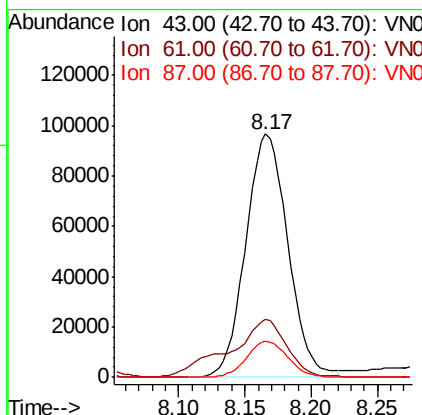
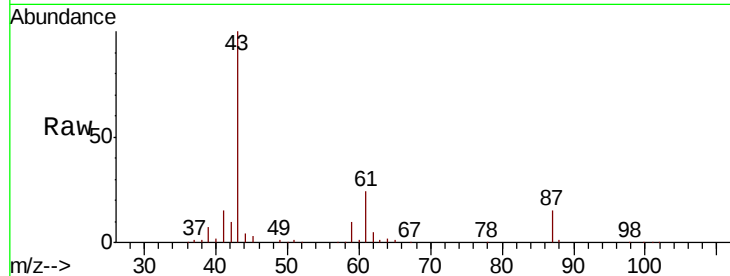
Isopropyl Acetate
 Concen: 19.59 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	43	61	87
Resp	213488		
Ratio	100	32.0	14.7
Lower		25.0	11.8
Upper		37.6	17.8

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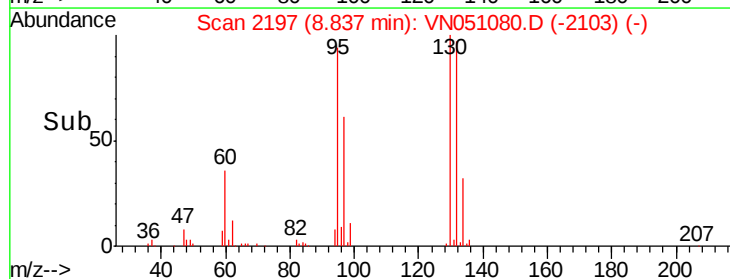
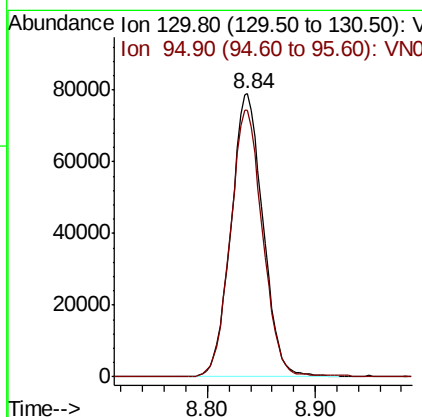
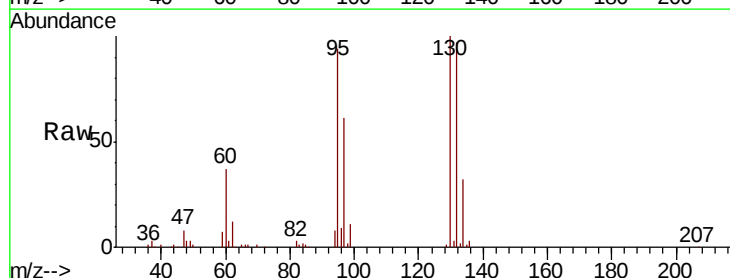
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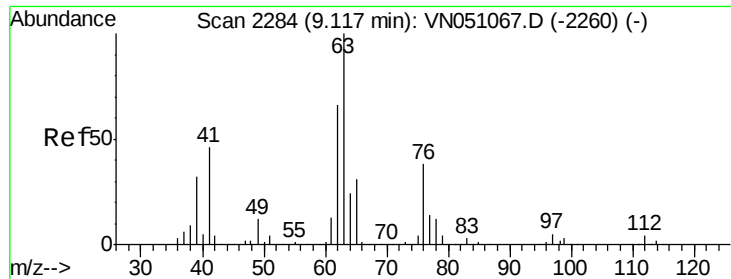


#44

Trichloroethene
 Concen: 18.58 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	130	95
Resp	163279	
Ratio	100	94.0
Lower		0.0
Upper		186.2





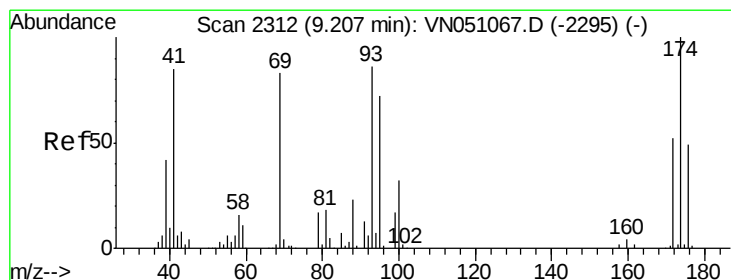
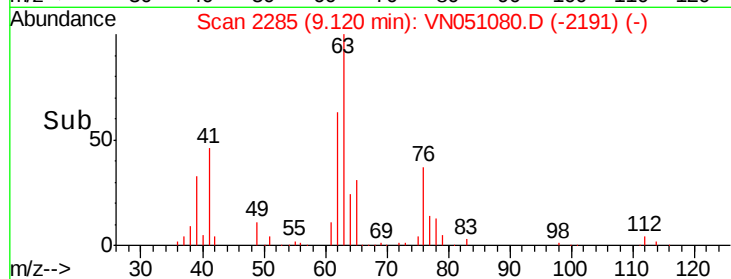
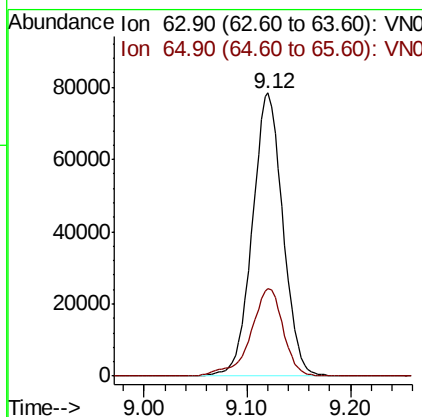
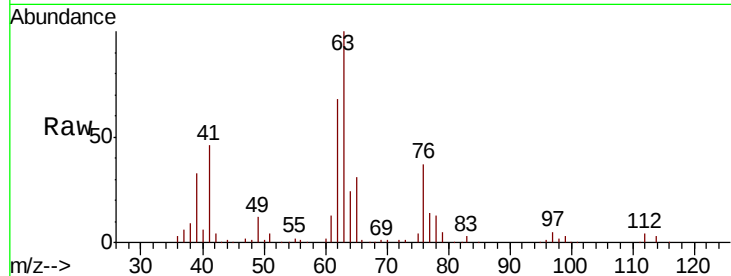
#45
 1,2-Dichloropropane
 Concen: 19.34 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion: 63 Resp: 160584
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

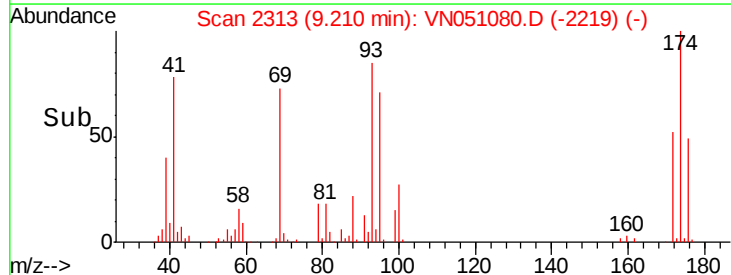
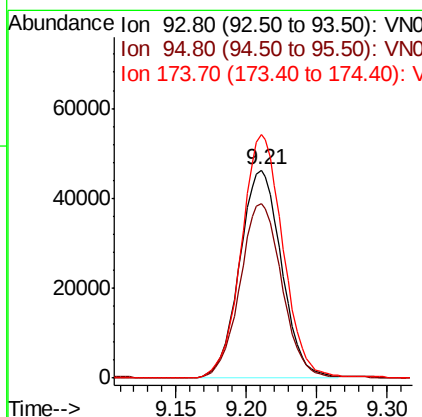
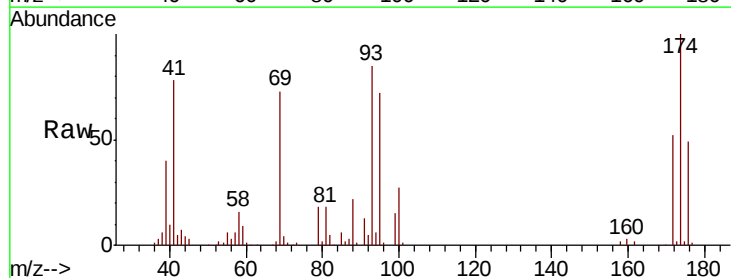
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#46
 Dibromomethane
 Concen: 18.95 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 93 Resp: 96024
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 116.2 93.3 139.9





#47

Bromodichloromethane

Concen: 19.27 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

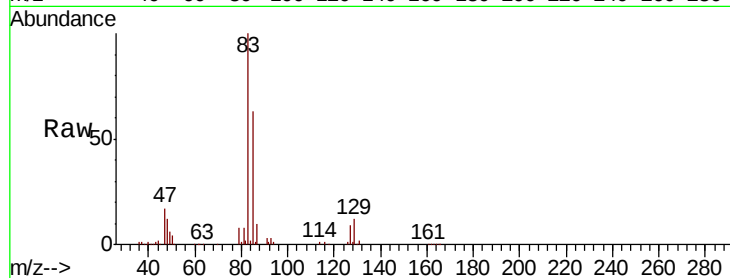
ClientSampleId :

VN0910MBS01

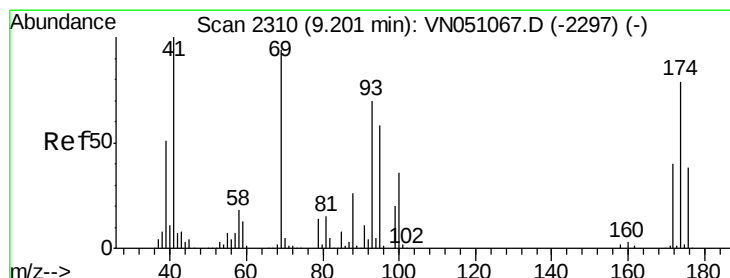
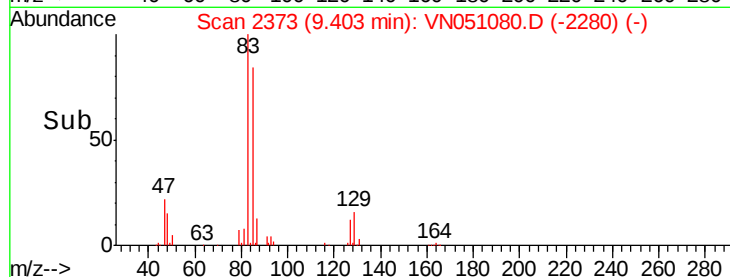
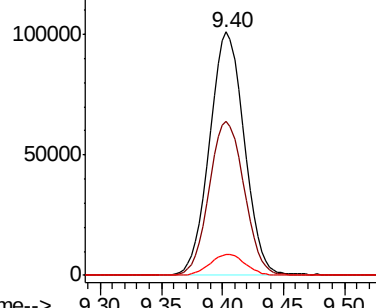
Tot Ion:	83	Resp:	198551
Ion Ratio	Lower	Upper	
83	100		
85	63.1	52.3	78.5
127	8.7	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VN051080.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.32 ug/l

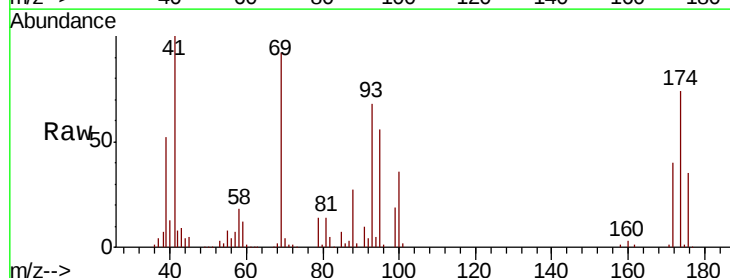
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

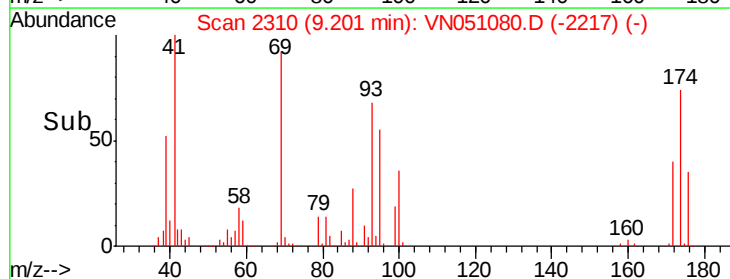
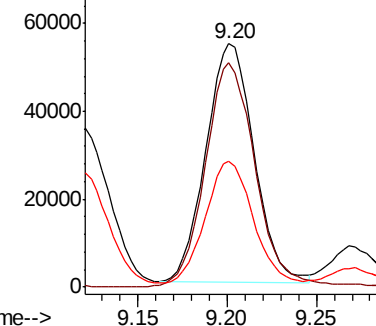
Lab File: VN051080.D

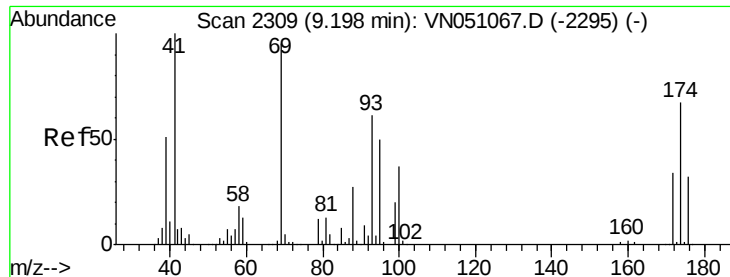
Acq: 10 Sep 2018 16:10

Tgt Ion:	41	Resp:	102598
Ion Ratio	Lower	Upper	
41	100		
69	97.7	77.7	116.5
39	53.3	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN051080.D (-2217) (-)





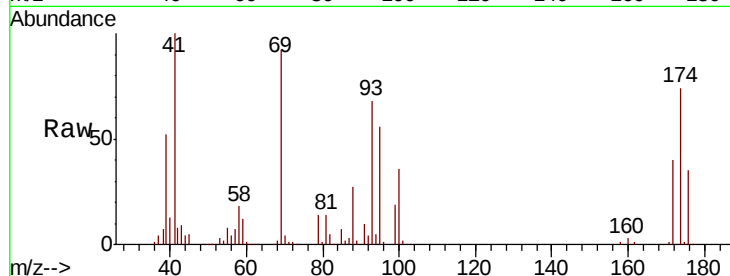
#49
 1,4-Dioxane
 Concen: 387.11 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

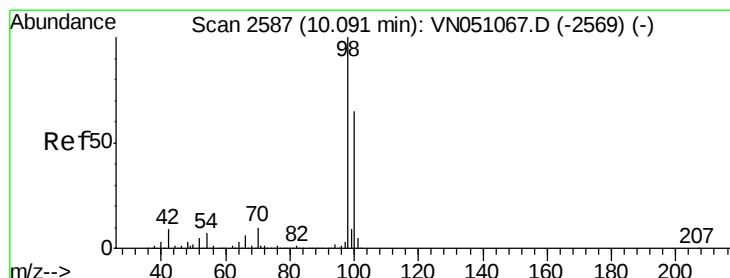
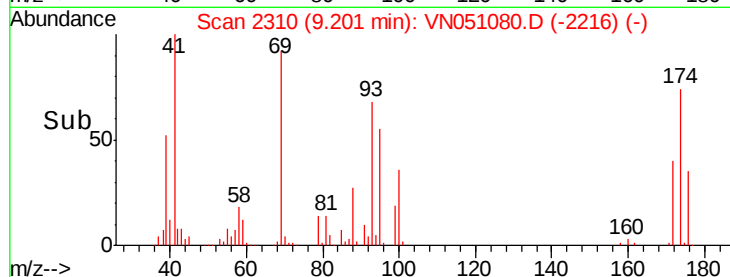
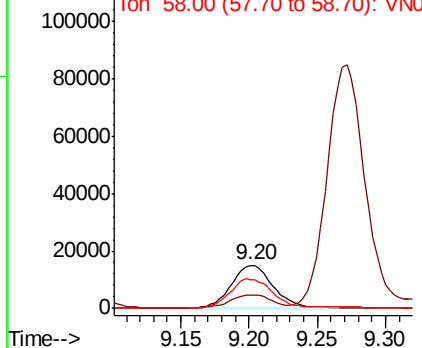
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.7	35.5
58	69.2	54.6	82.0

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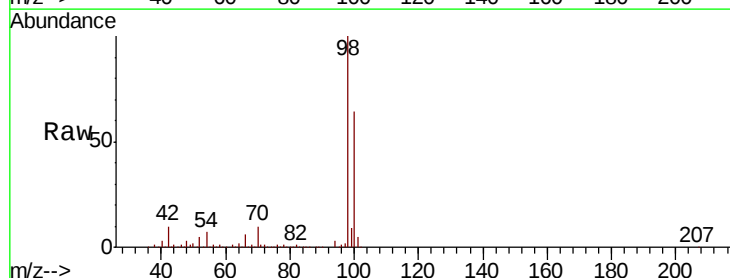


Abundance Ion 88.00 (87.70 to 88.70): VN051080.D (-2216) (-)
 Ion 43.00 (42.70 to 43.70): VN051080.D (-2216) (-)
 Ion 58.00 (57.70 to 58.70): VN051080.D (-2216) (-)

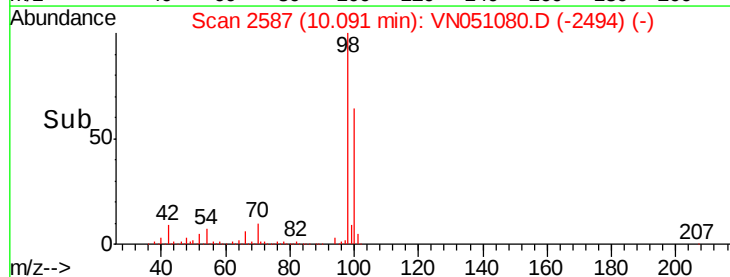
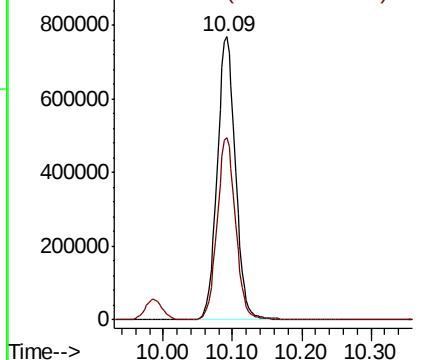


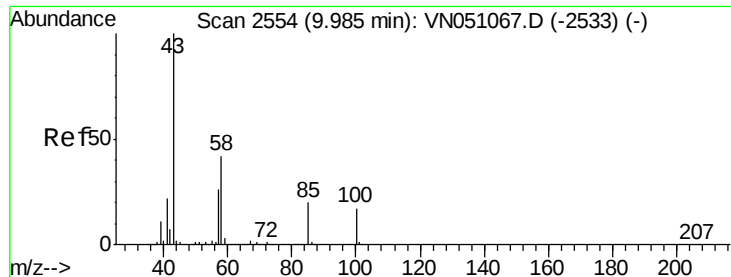
#50
 Toluene-d8
 Concen: 50.78 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051080.D (-2494) (-)
 Ion 100.00 (99.70 to 100.70): VN051080.D (-2494) (-)





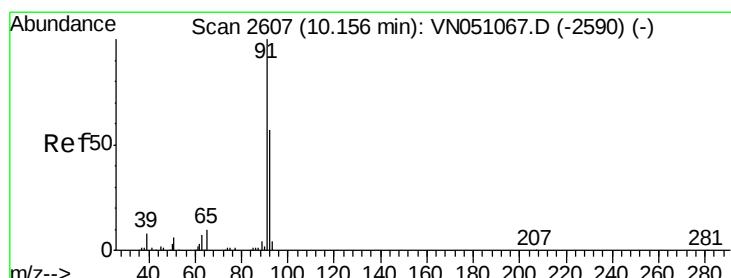
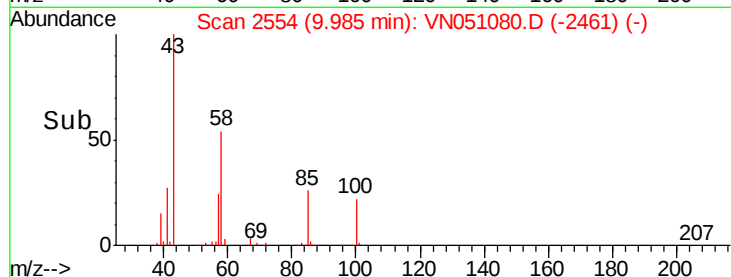
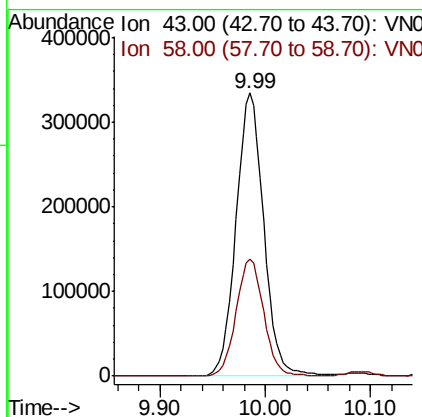
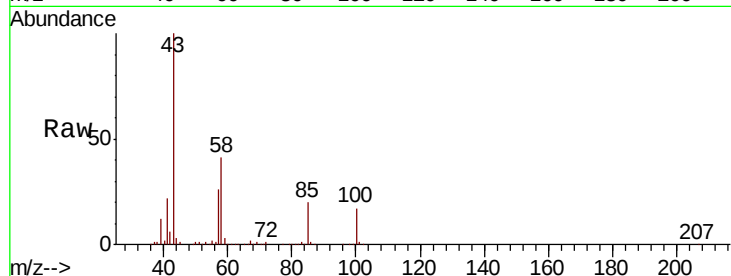
#51
4-Methyl-2-Pentanone
Concen: 100.72 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	33.5	50.3

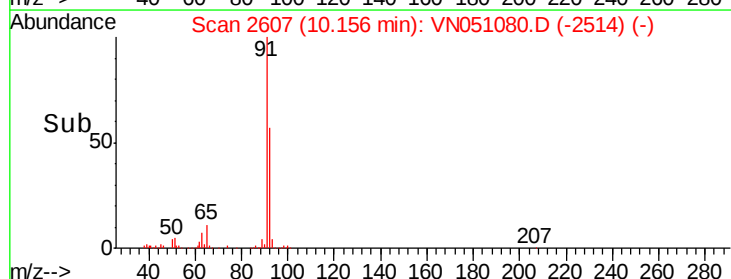
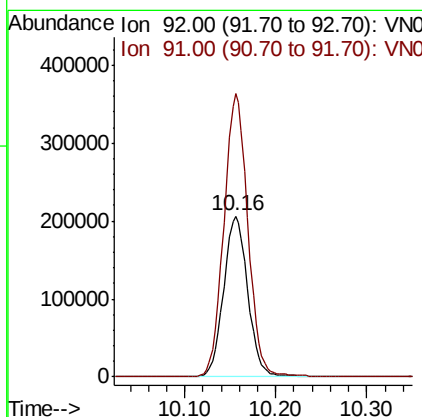
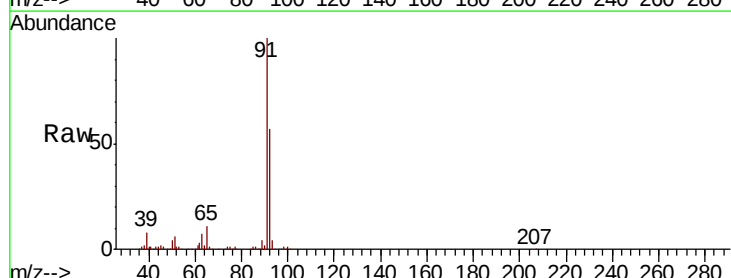
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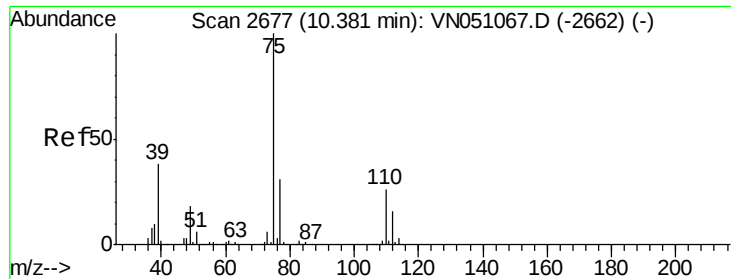
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#52
Toluene
Concen: 19.42 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	139.5	209.3





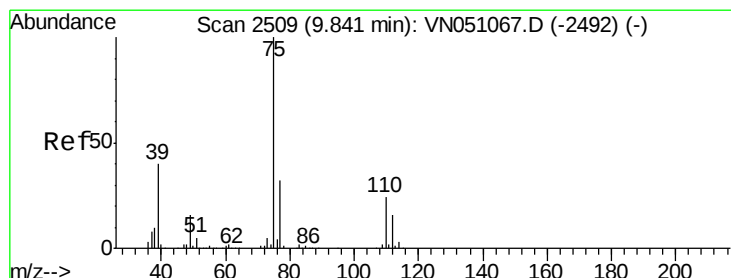
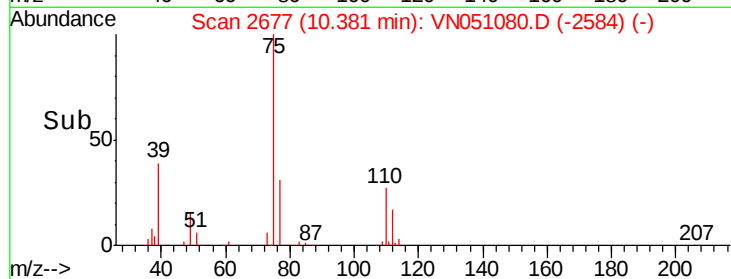
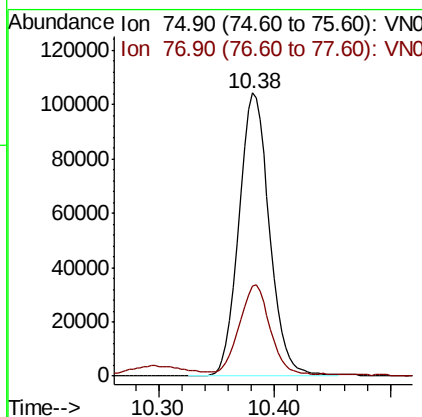
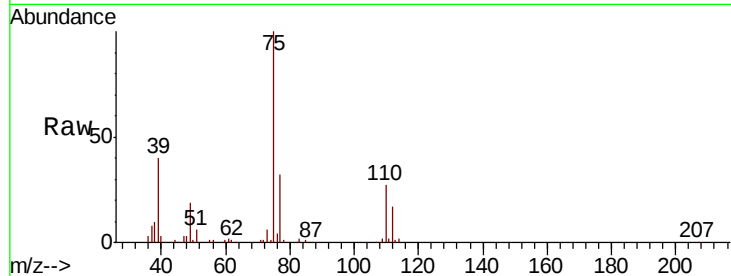
#53
t-1,3-Dichloropropene
Concen: 18.51 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9

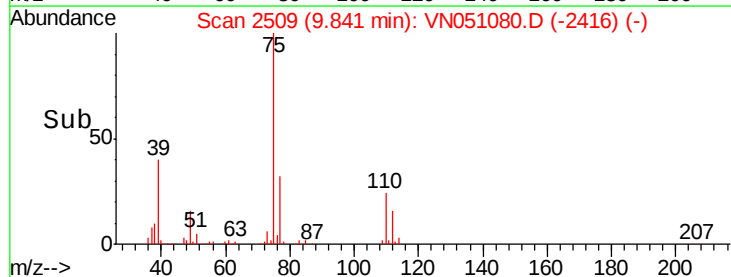
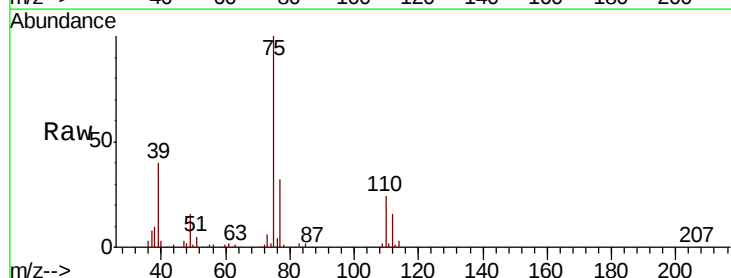
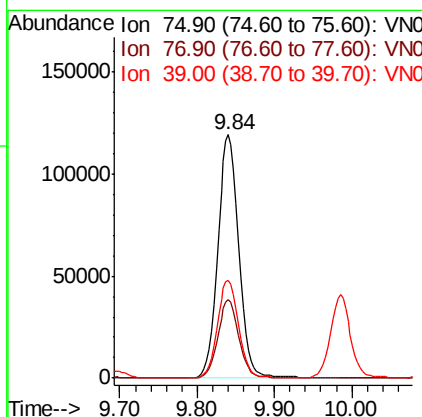
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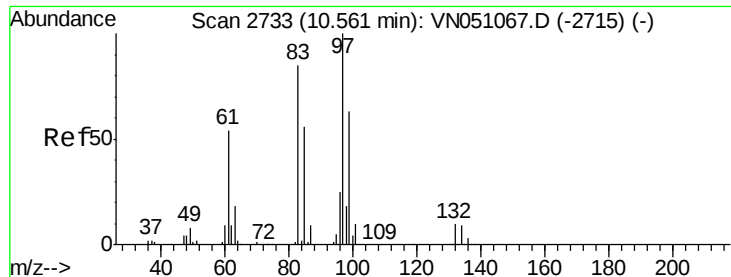
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#54
cis-1,3-Dichloropropene
Concen: 18.84 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5
39	40.0	31.9	47.9





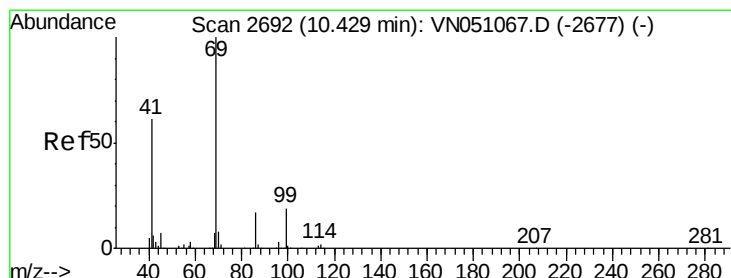
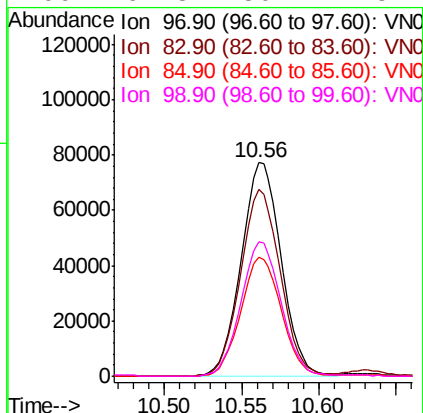
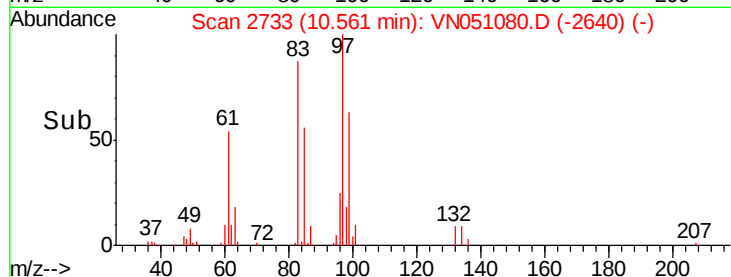
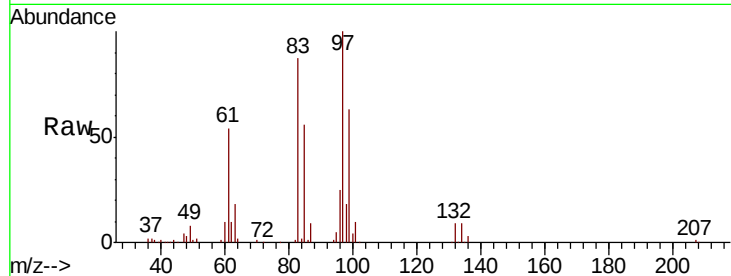
#55
 1,1,2-Trichloroethane
 Concen: 19.58 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion:	97	Resp:	139364
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.2	102.2
85	55.6	44.8	67.2
99	62.8	50.2	75.4

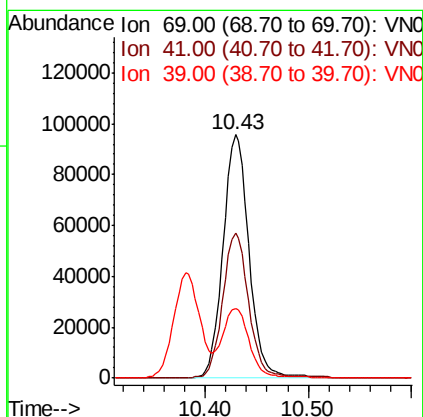
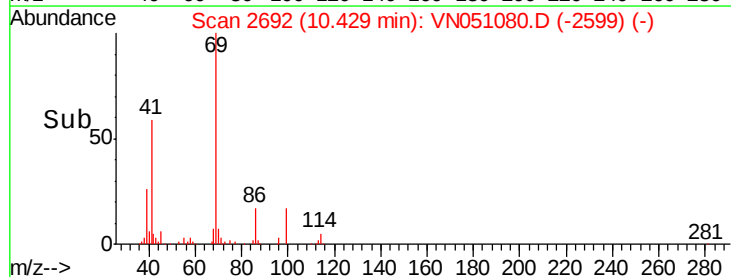
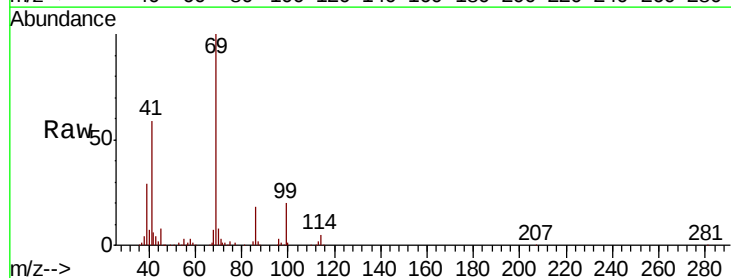
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#56
 Ethyl methacrylate
 Concen: 19.17 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion:	69	Resp:	167864
Ion	Ratio	Lower	Upper
69	100		
41	59.2	47.8	71.8
39	30.2	23.0	34.4





#57

1,3-Dichloropropane

Concen: 19.81 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 76 Resp: 233803

Ion Ratio Lower Upper

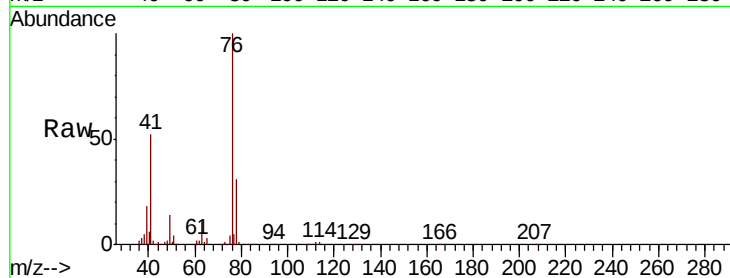
76 100

78 31.6 26.1 39.1

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

Ion 77.90 (77.60 to 78.60): VN051067.D (-2763) (-)

10.71

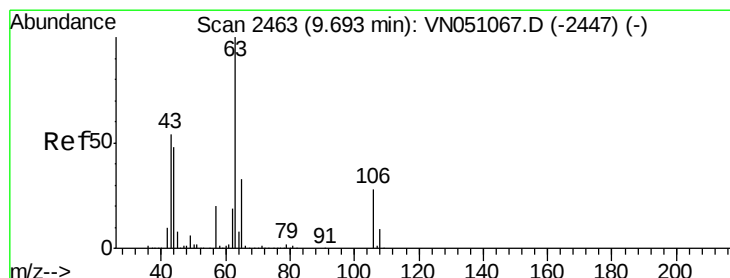
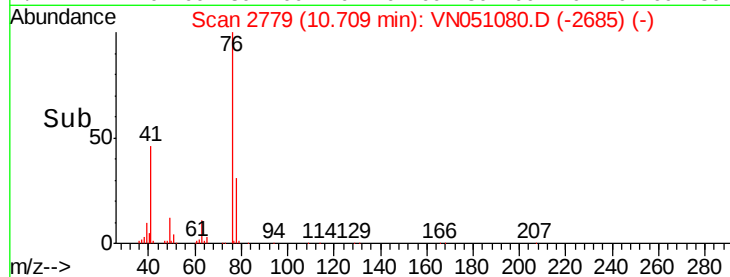
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 95.36 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051080.D

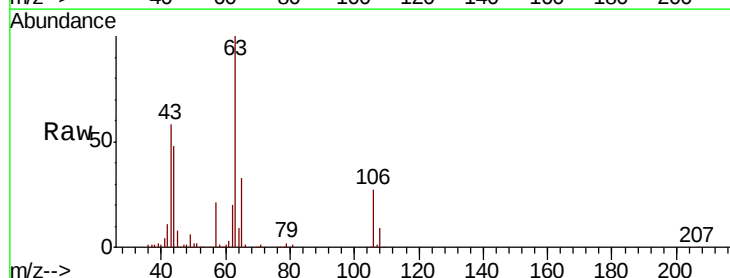
Acq: 10 Sep 2018 16:10

Tgt Ion: 63 Resp: 342645

Ion Ratio Lower Upper

63 100

106 27.9 22.5 33.7



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

Ion 105.90 (105.60 to 106.60): VN051067.D (-2447) (-)

9.70

200000

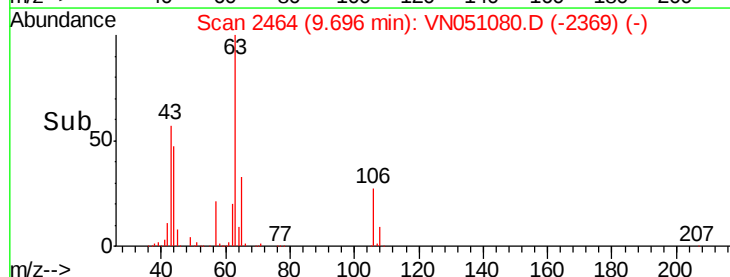
150000

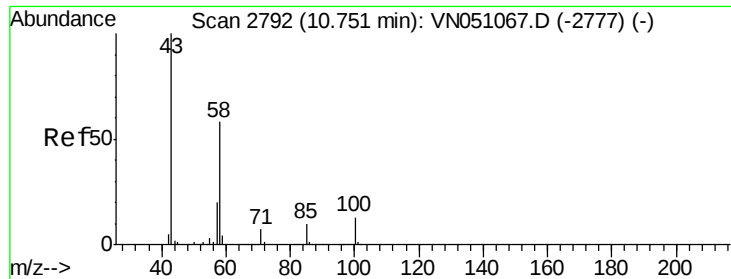
100000

50000

0

Time-->





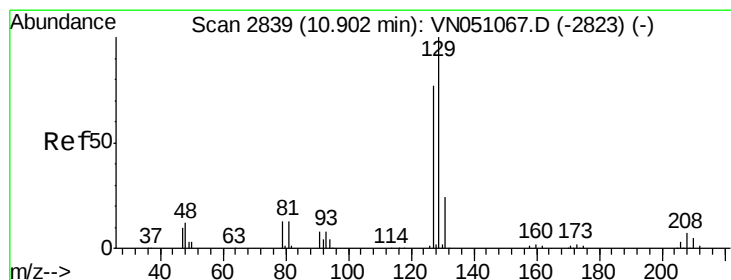
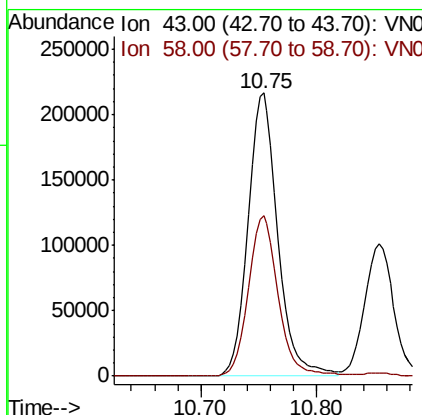
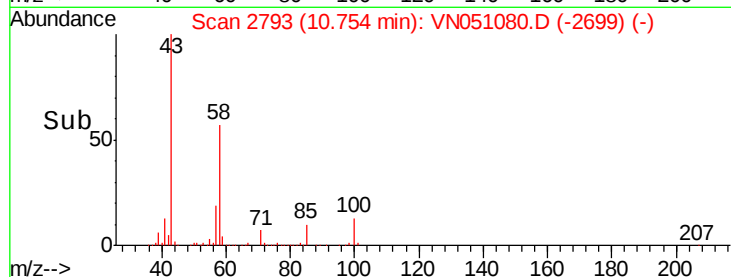
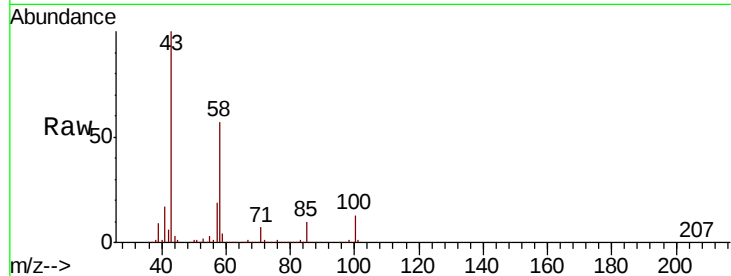
#59
2-Hexanone
Concen: 95.02 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	29.3	88.0

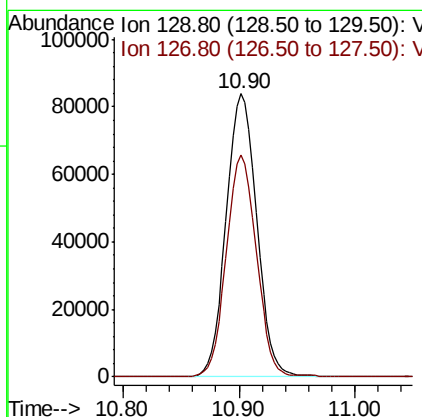
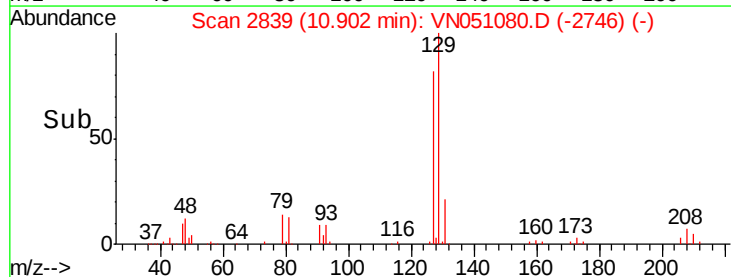
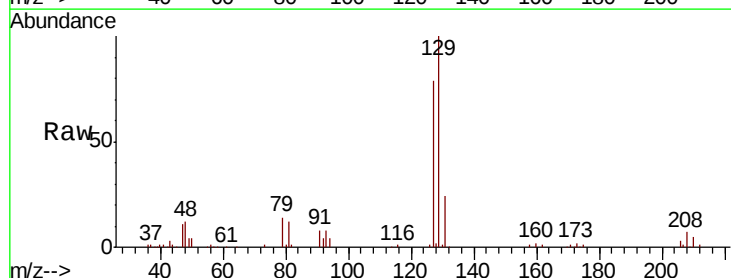
Manual Integrations
APPROVED

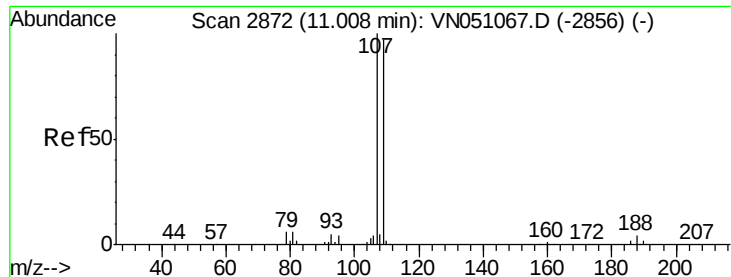
MMDadoda
9/11/2018 9:40:54 AM



#60
Dibromochloromethane
Concen: 19.09 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.10 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 107 Resp: 132895

Ion Ratio Lower Upper

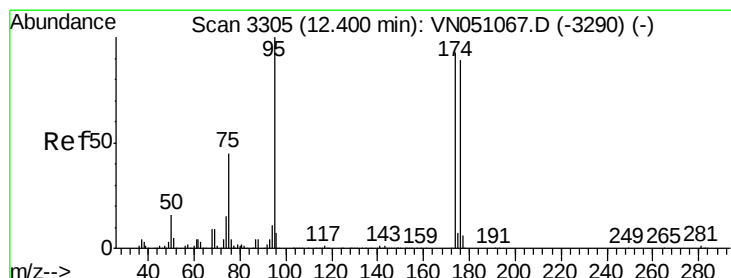
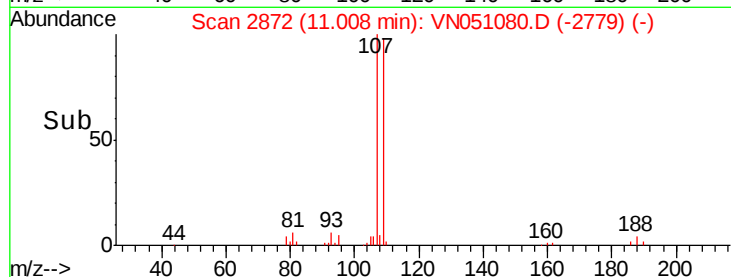
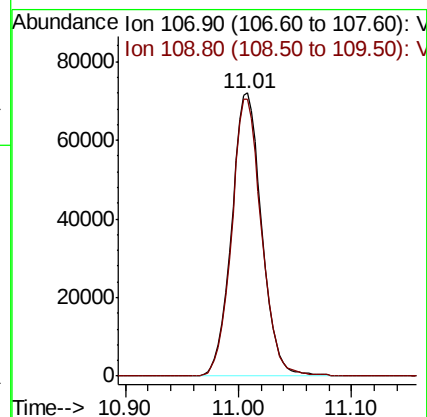
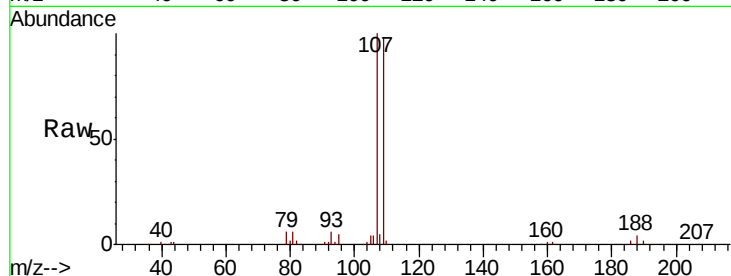
107 100

109 97.2 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 49.29 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

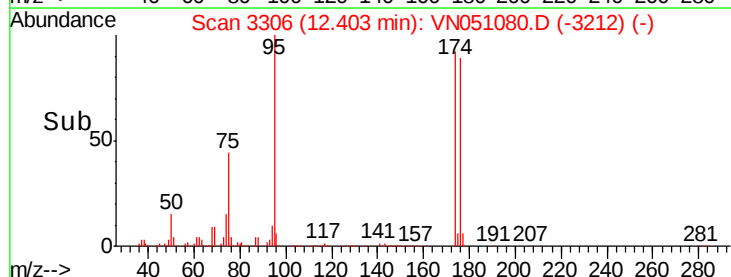
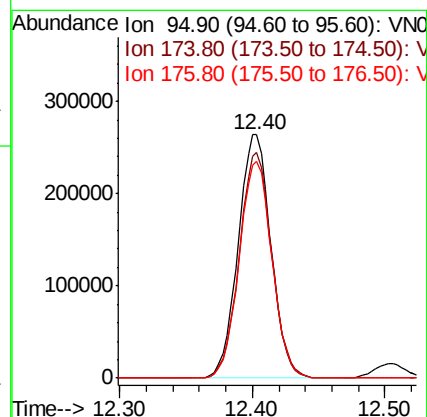
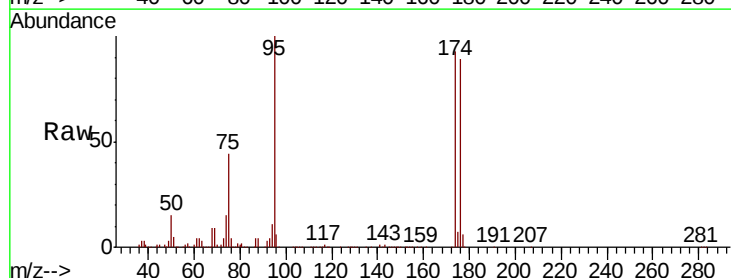
Tgt Ion: 95 Resp: 451566

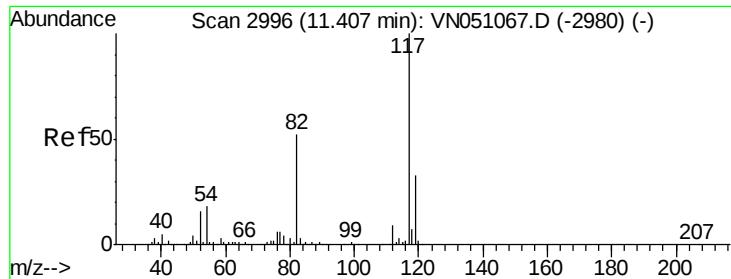
Ion Ratio Lower Upper

95 100

174 91.7 0.0 184.8

176 89.0 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: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

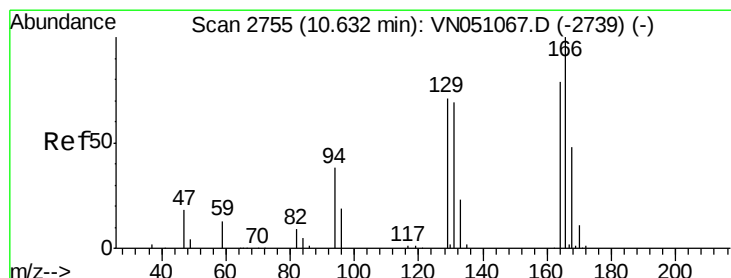
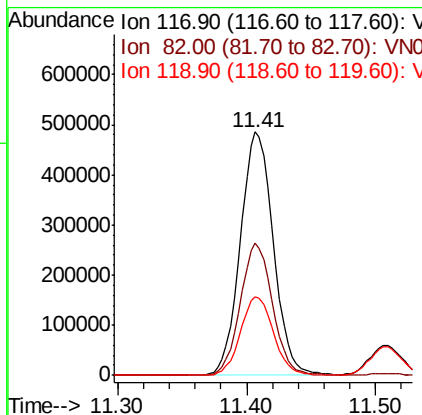
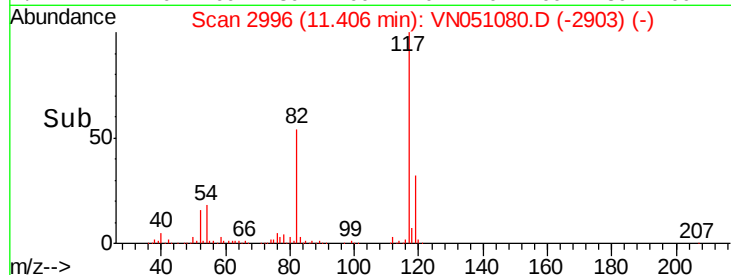
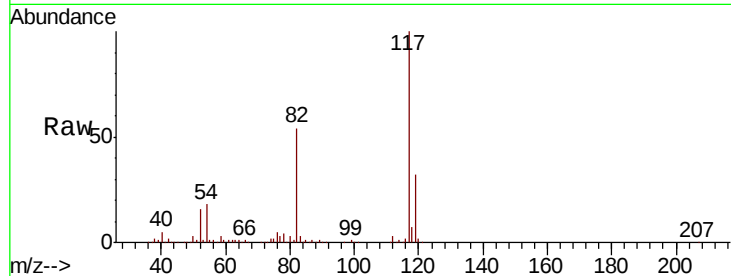
ClientSampleId :

VN0910MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.8	62.6
119	32.2	26.2	39.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 18.98 ug/l

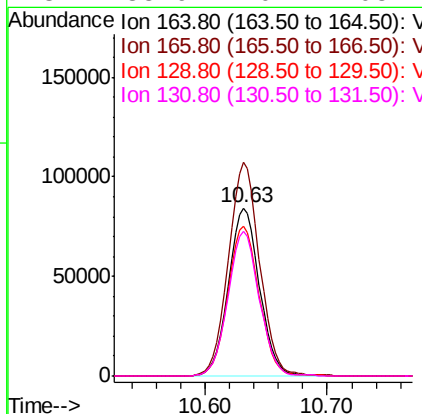
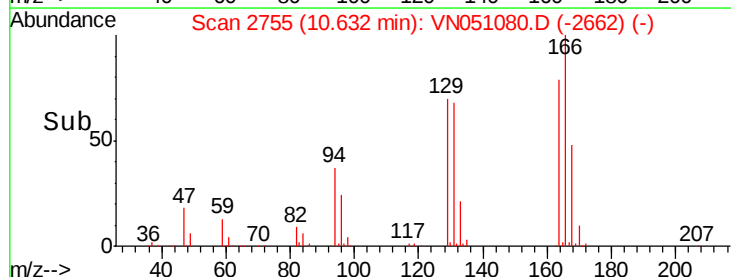
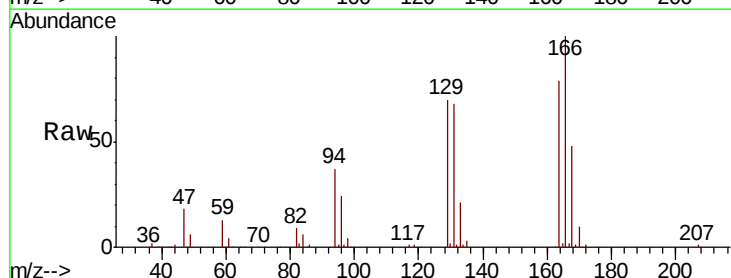
RT: 10.63 min Scan# 2755

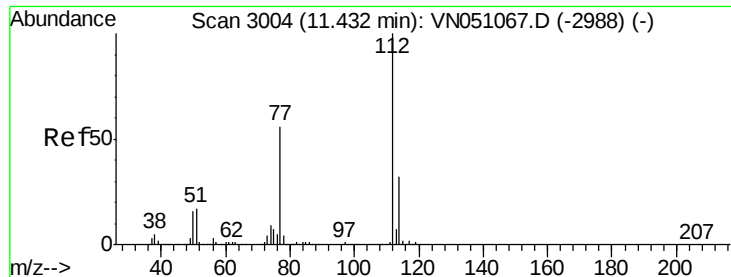
Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.3	151.9
129	89.4	72.2	108.2
131	85.9	70.2	105.2





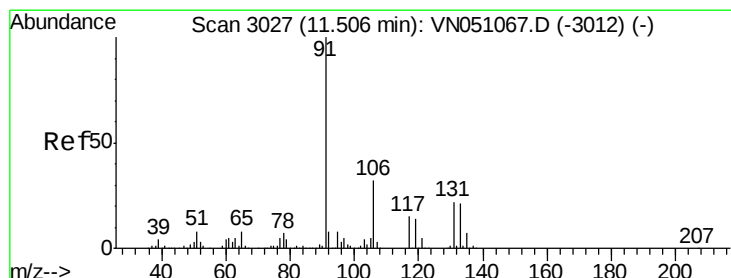
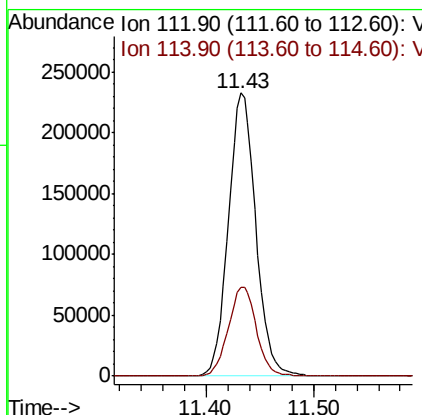
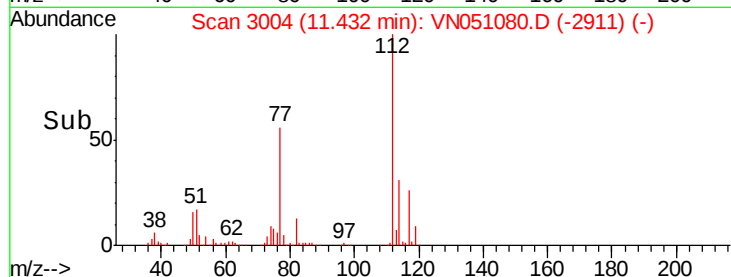
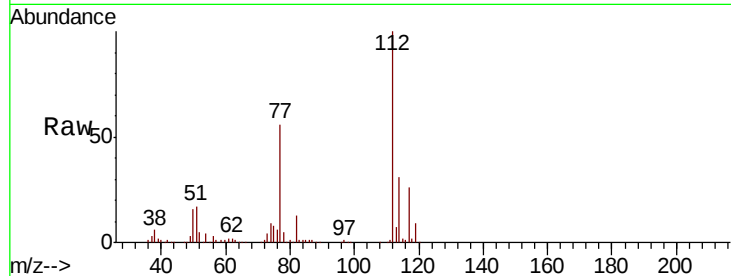
#65
Chlorobenzene
Concen: 18.87 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.6

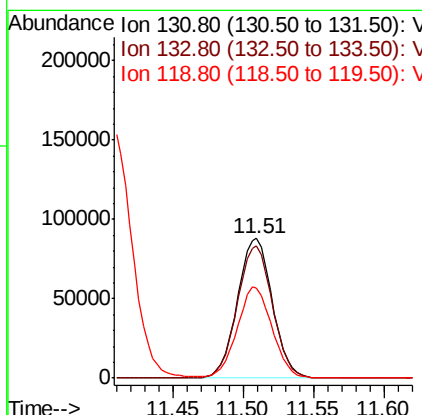
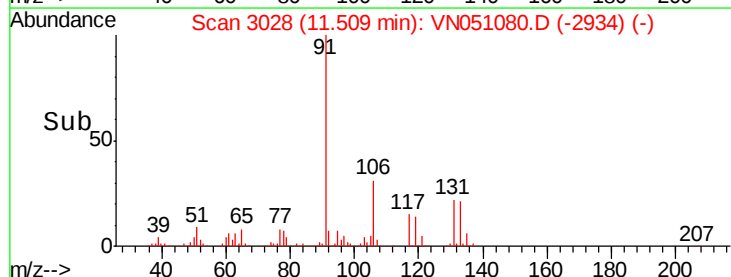
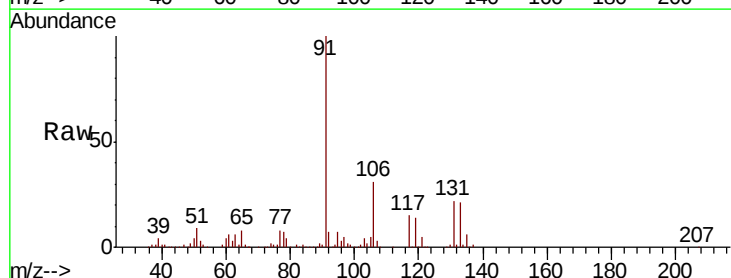
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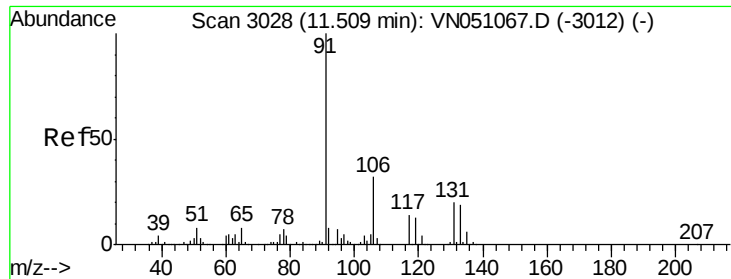
MMDadoda
9/11/2018 9:40:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.50 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.5	142.6
119	65.3	33.2	99.6





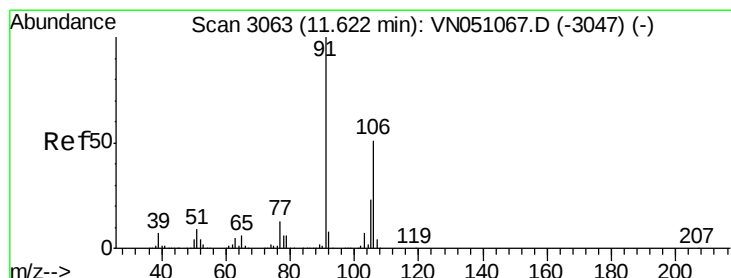
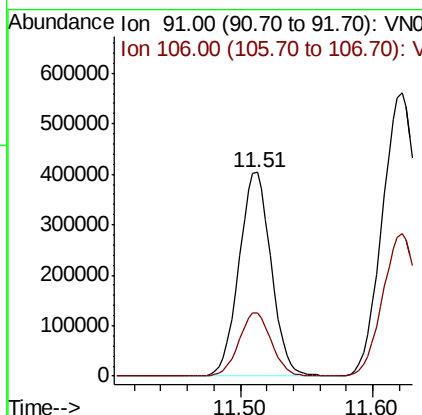
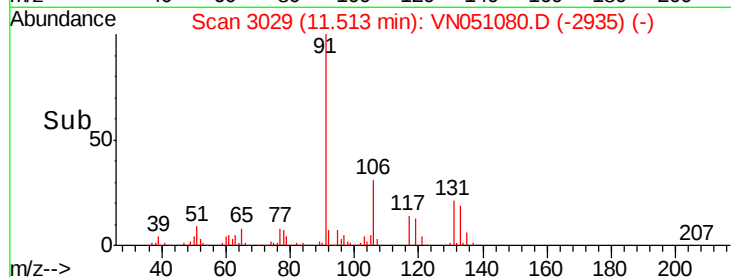
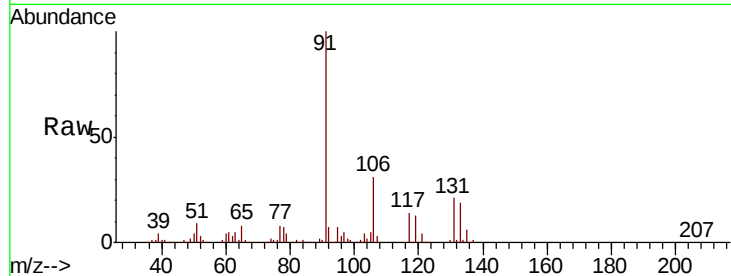
#67
Ethyl Benzene
Concen: 19.30 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion: 91 Resp: 681441
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2

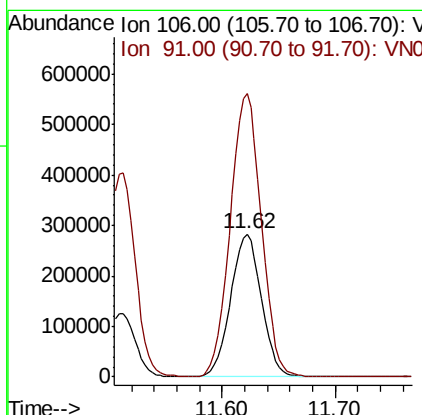
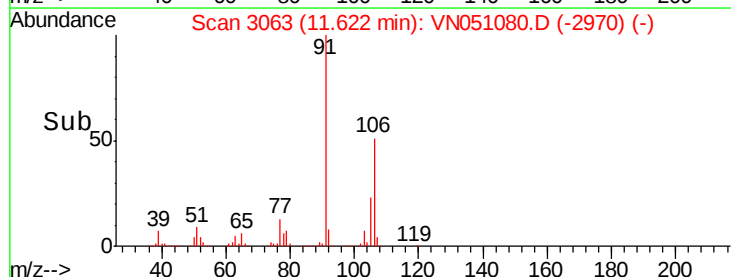
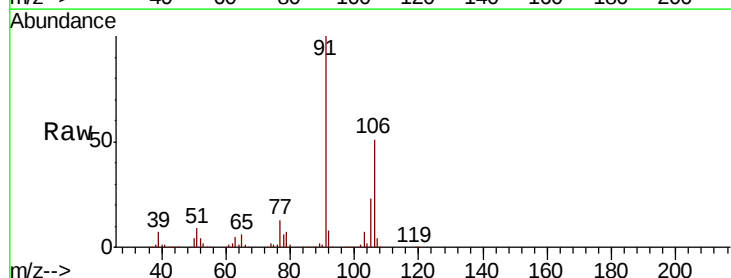
Manual Integrations
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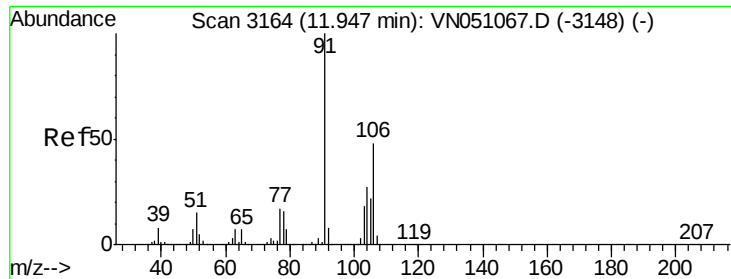
MMDadoda
9/11/2018 9:40:54 AM



#68
m/p-Xylenes
Concen: 39.46 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 106 Resp: 535397
Ion Ratio Lower Upper
106 100
91 199.8 159.8 239.6





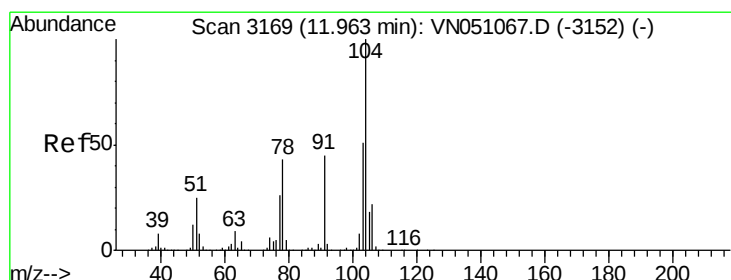
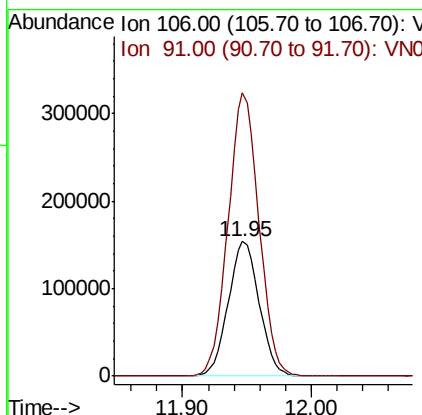
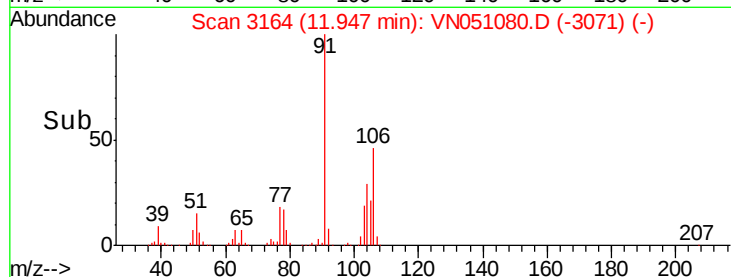
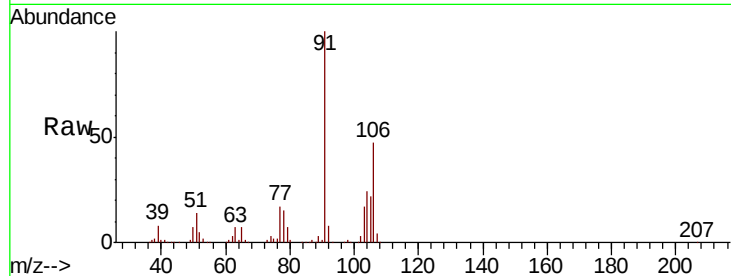
#69
o-Xylene
Concen: 19.56 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	256942		
91	209.1	105.1	315.1		

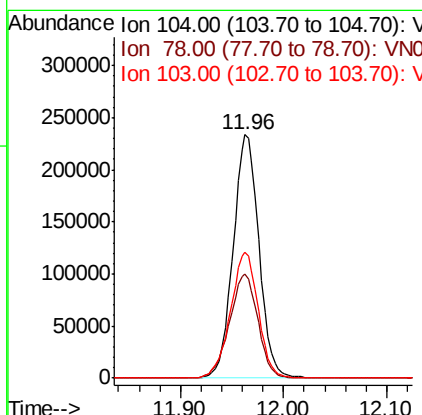
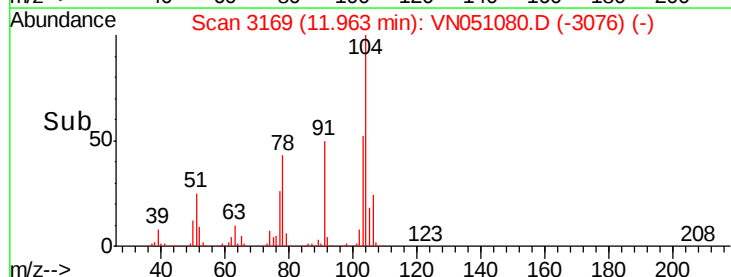
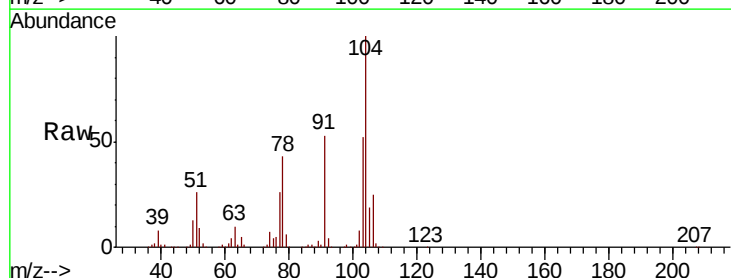
Manual Integrations
APPROVED

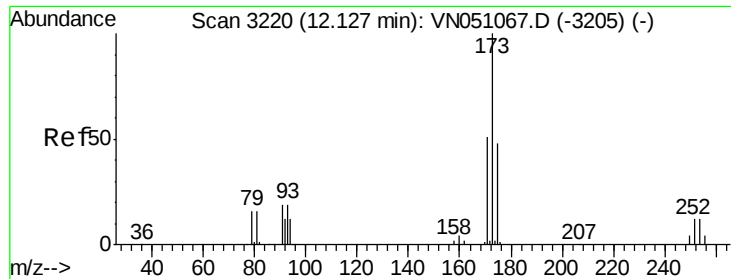
MMDadoda
9/11/2018 9:40:54 AM



#70
Styrene
Concen: 19.97 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	406909		
78	47.2	37.7	56.5		
103	55.5	44.6	67.0		





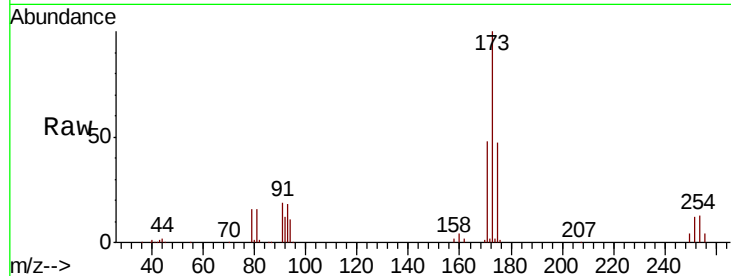
#71
Bromoform
Concen: 19.60 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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9/11/2018 9:40:54 AM

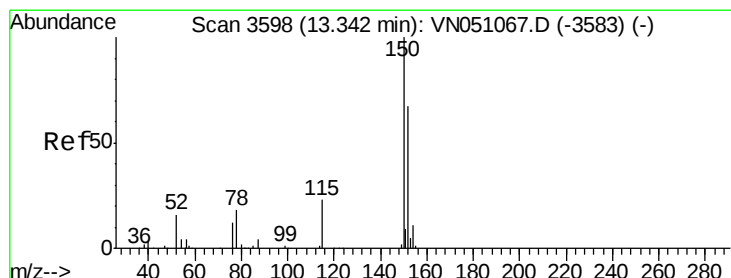
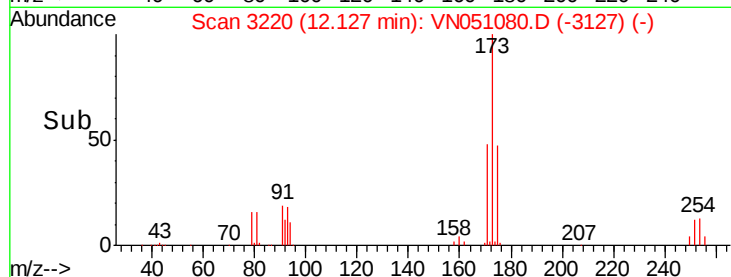
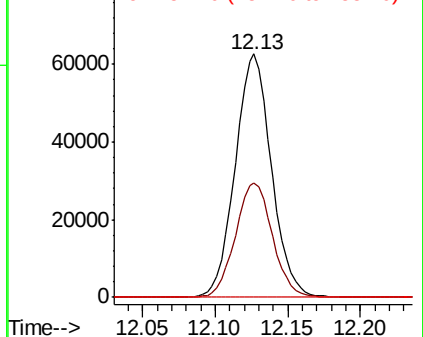


Abundance

Ion 172.70 (172.40 to 173.40): V

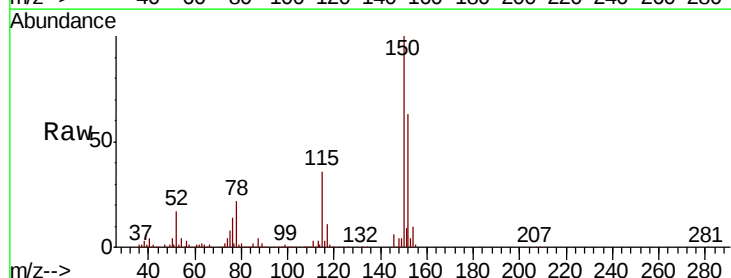
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.2	84.7
150	162.8	0.0	349.0

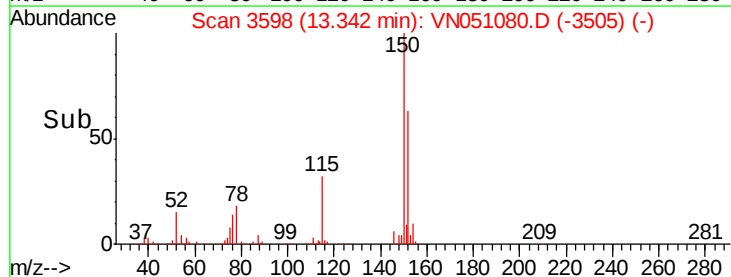
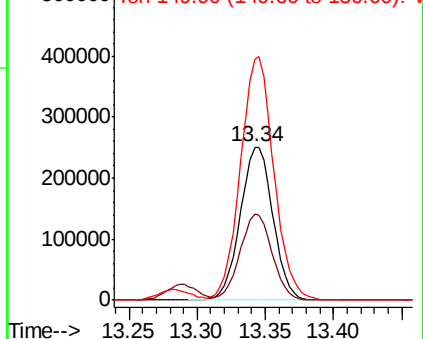


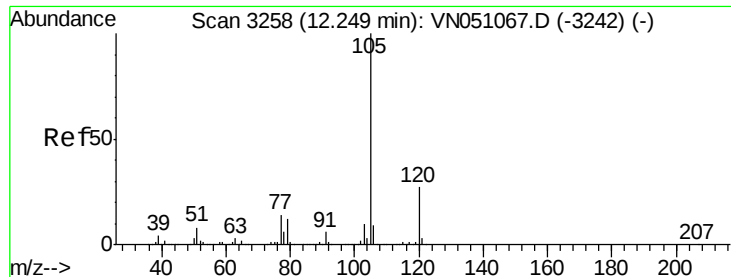
Abundance

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: 19.16 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 105 Resp: 668268

Ion Ratio Lower Upper

105 100

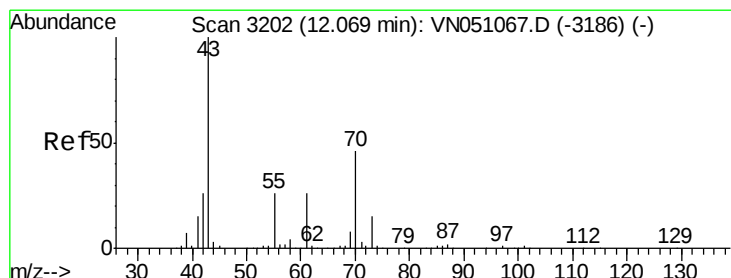
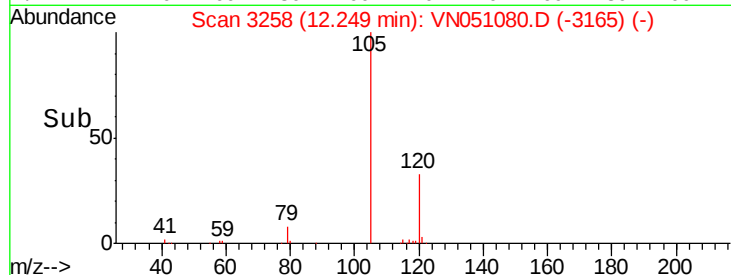
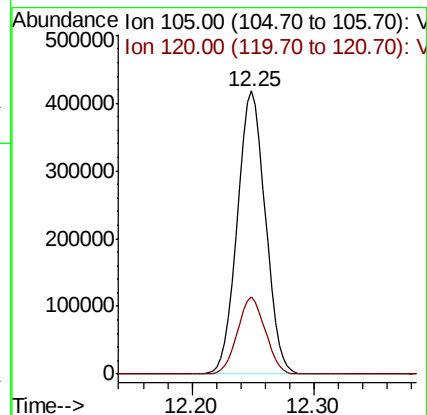
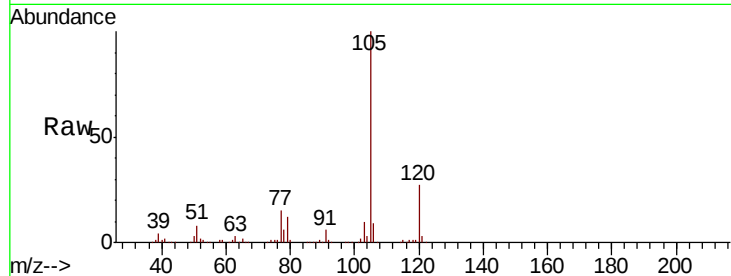
120 27.1 13.6 40.7

Manual Integrations

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9/11/2018 9:40:54 AM



#74

N-ethyl acetate

Concen: 18.51 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion: 43 Resp: 162483

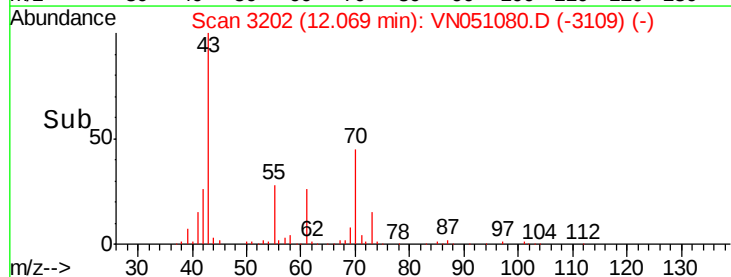
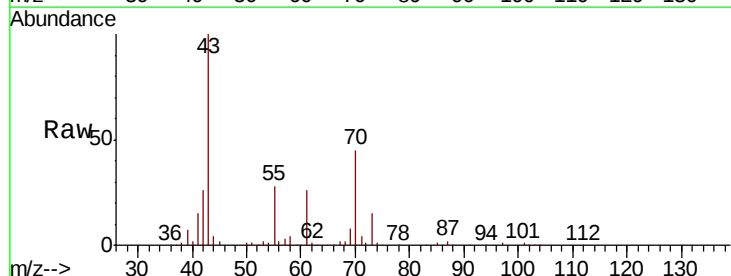
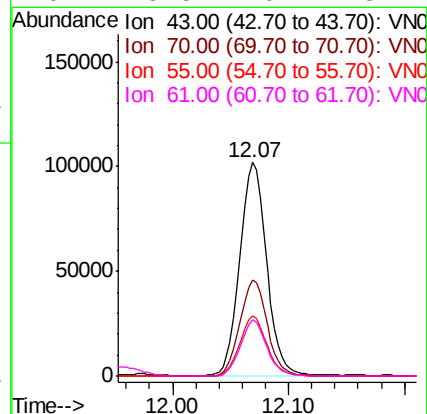
Ion Ratio Lower Upper

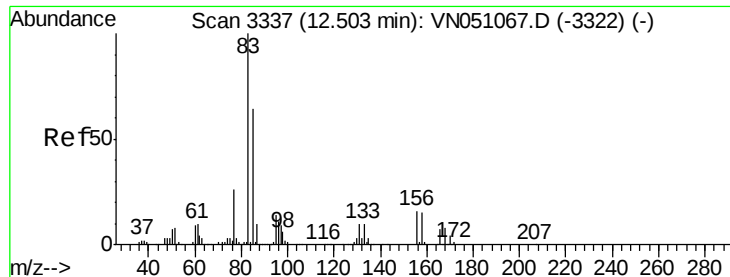
43 100

70 45.9 37.0 55.4

55 28.4 21.3 31.9

61 25.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.14 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 83 Resp: 176580
Ion Ratio Lower Upper

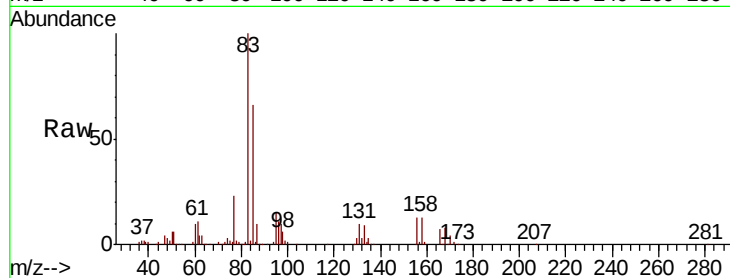
83 100

131 10.7 5.3 16.1

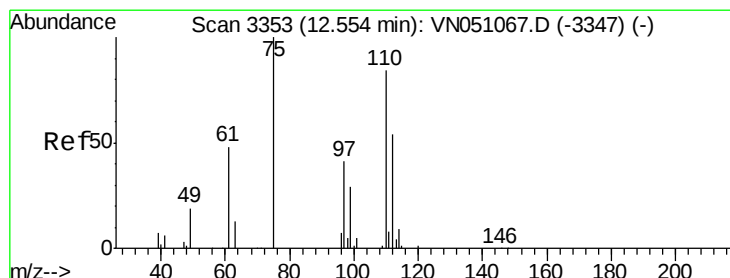
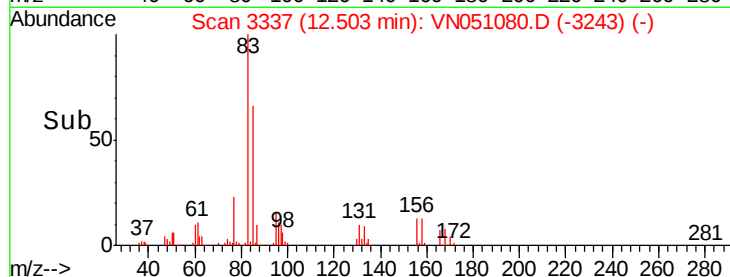
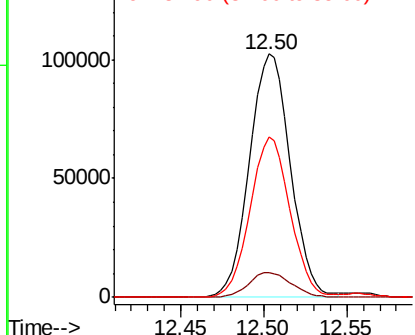
85 64.2 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.91 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

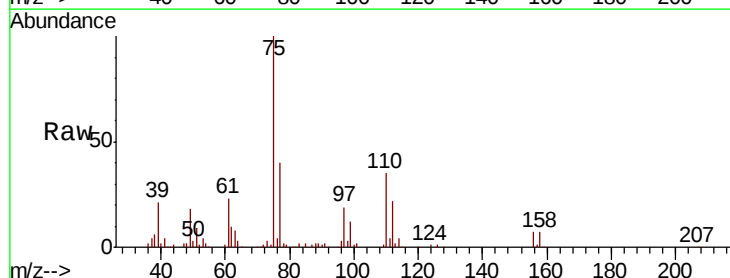
Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

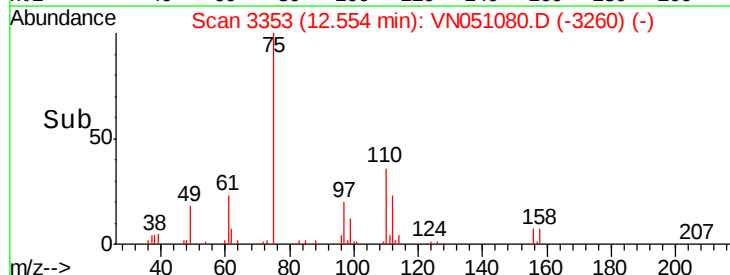
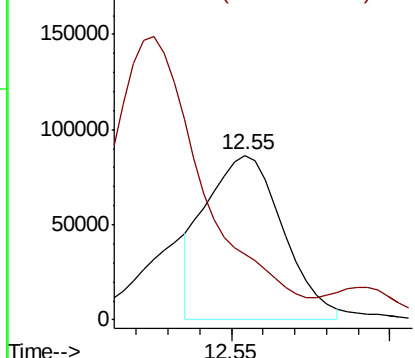
Tgt Ion: 75 Resp: 146695
Ion Ratio Lower Upper

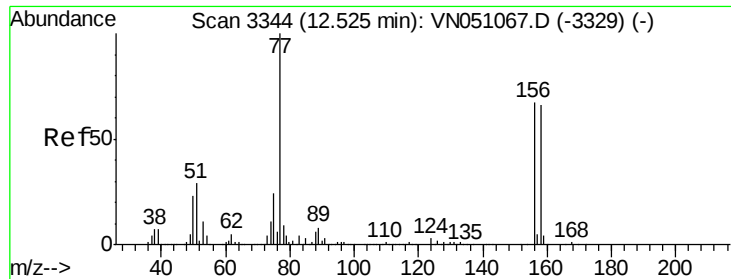
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.57 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

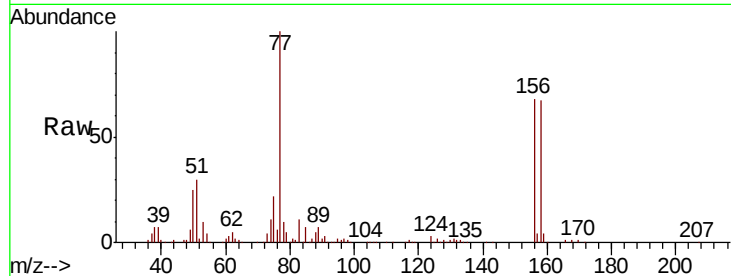
ClientSampled :

VN0910MBS01

Tot Ion:	156	Resp:	173996
Ion Ratio	Lower	Upper	
156	100		
77	177.9	87.5	262.6
158	98.8	49.0	147.2

Manual Integrations
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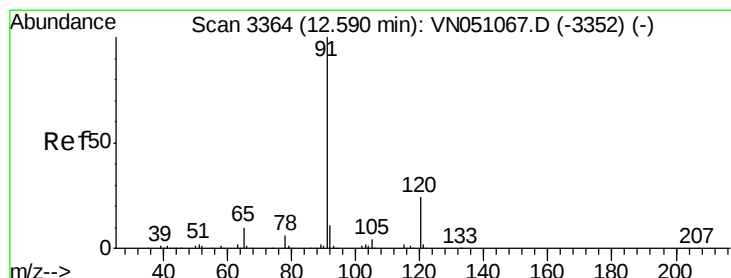
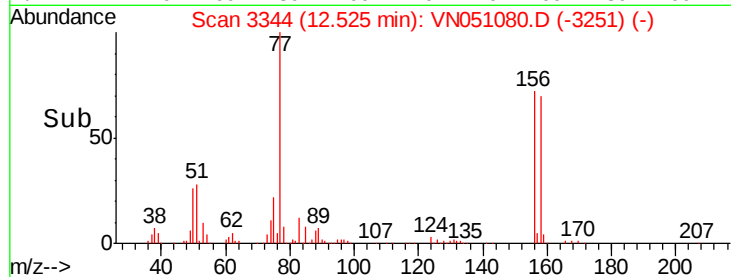
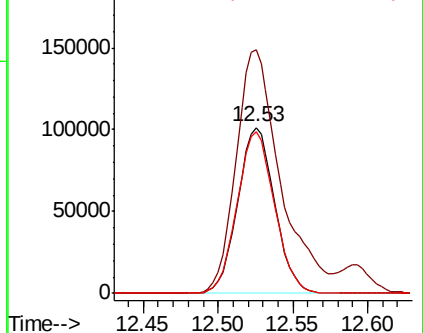
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.23 ug/l

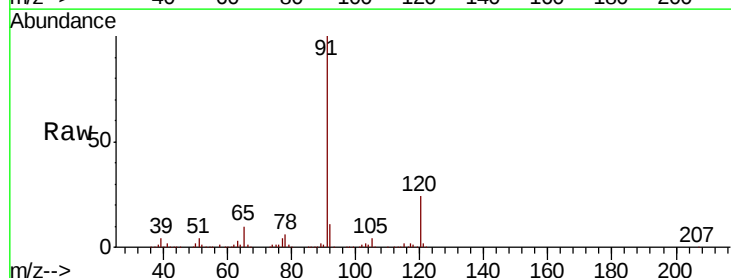
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051080.D

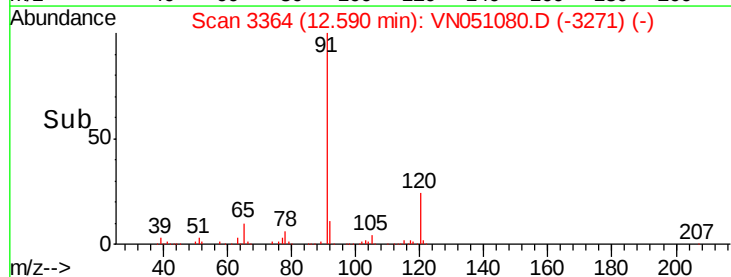
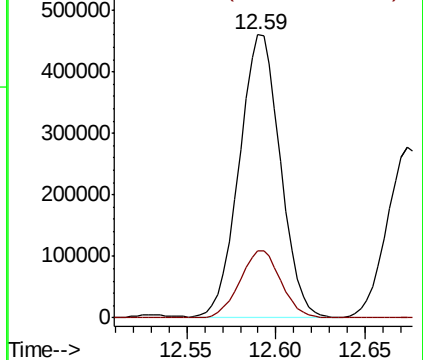
Acq: 10 Sep 2018 16:10

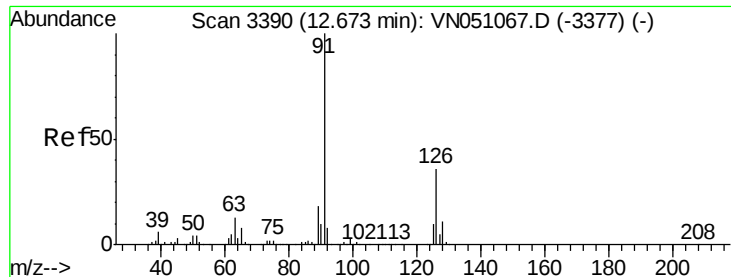
Tgt Ion:	91	Resp:	737374
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.26 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 91 Resp: 461539

Ion Ratio Lower Upper

91 100

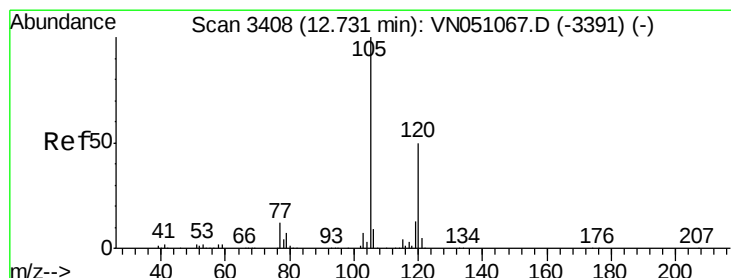
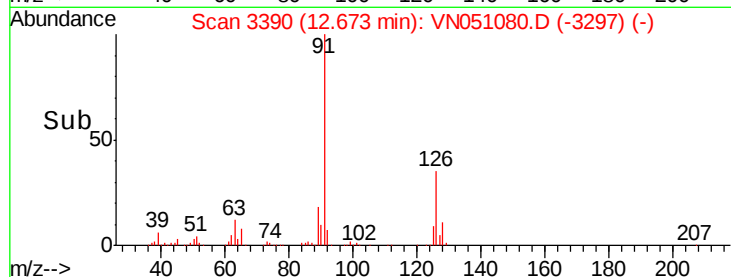
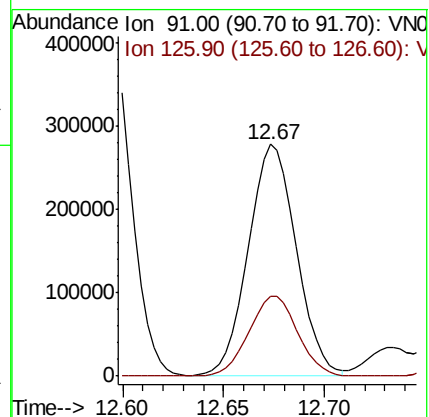
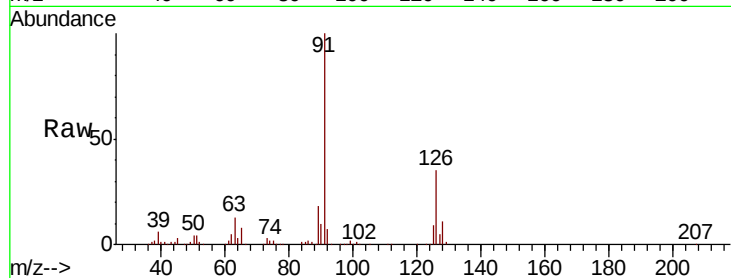
126 35.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.43 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051080.D

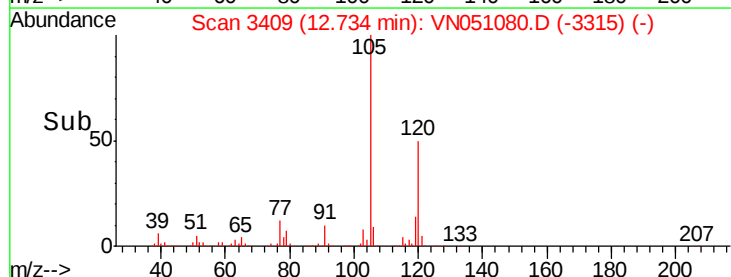
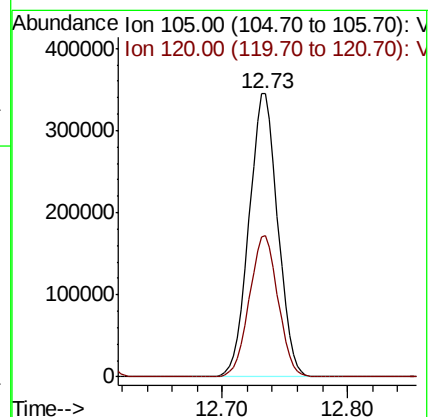
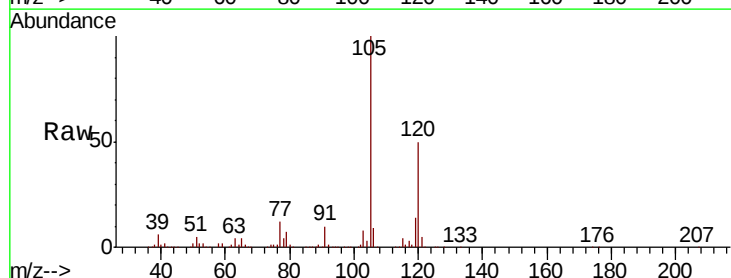
Acq: 10 Sep 2018 16:10

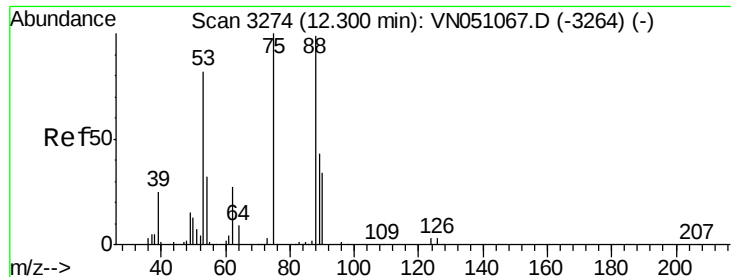
Tgt Ion: 105 Resp: 548022

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.31 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

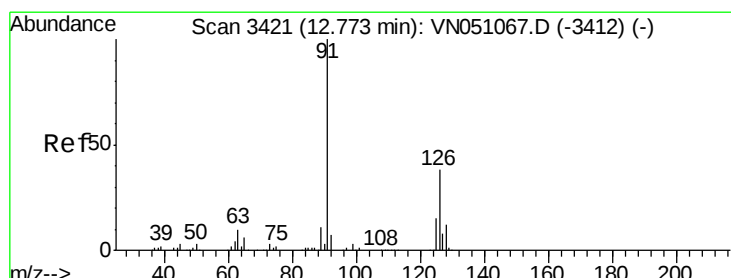
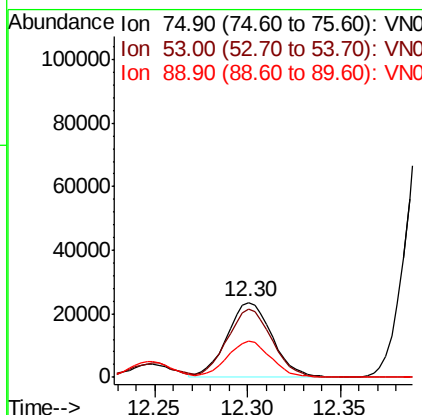
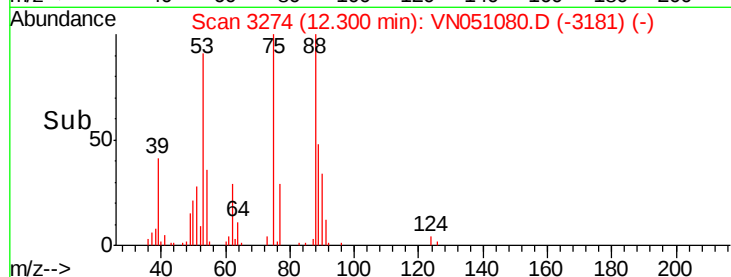
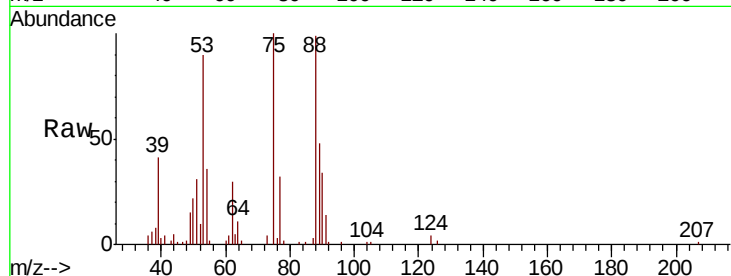
ClientSampled :

VN0910MBS01

Tot Ion:	75	Resp:	40103
Ion	Ratio	Lower	Upper
75	100		
53	89.6	67.8	101.8
89	46.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.93 ug/l

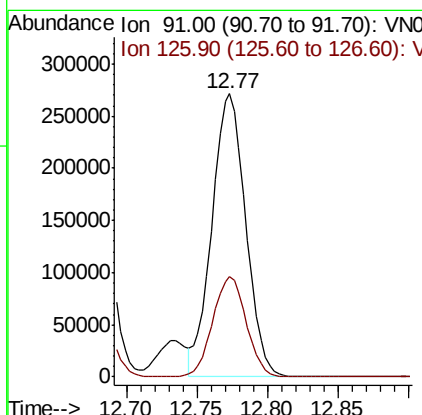
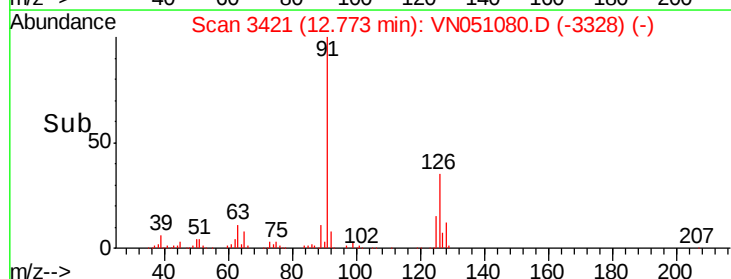
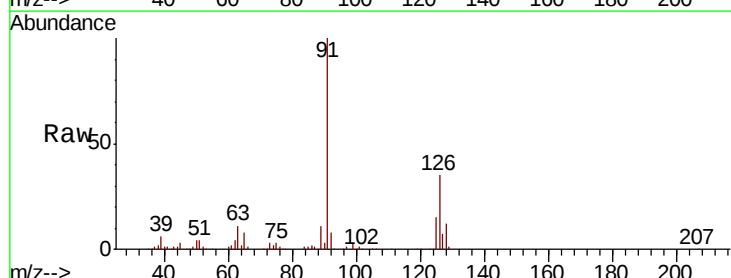
RT: 12.77 min Scan# 3421

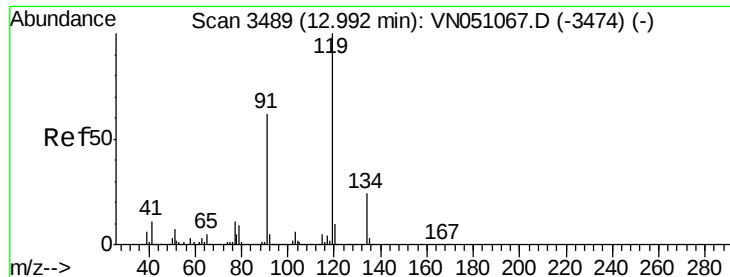
Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion:	91	Resp:	450241
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





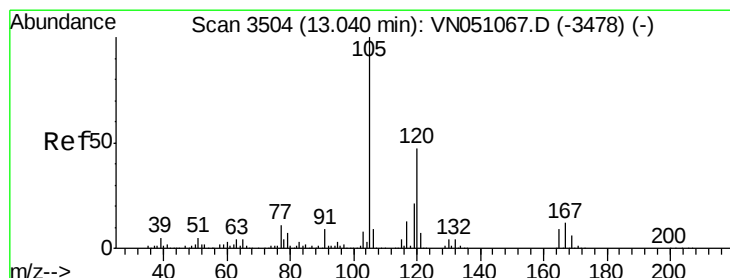
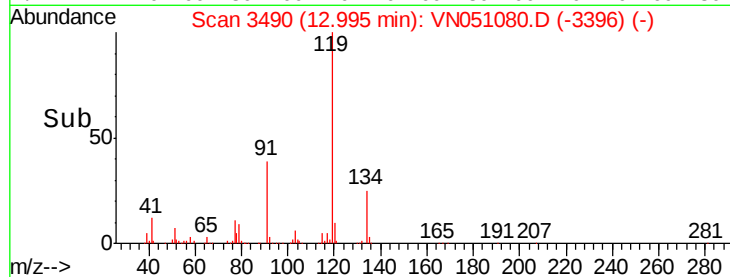
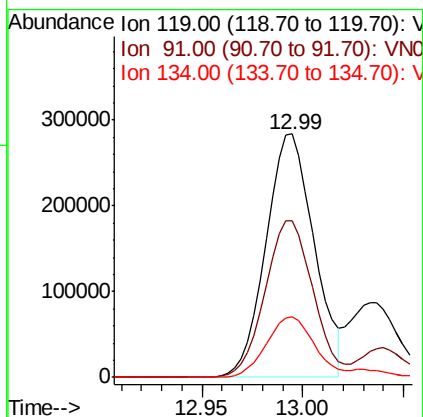
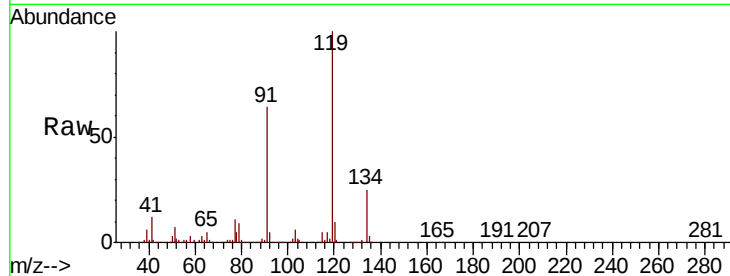
#83
 tert-Butylbenzene
 Concen: 18.97 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	30.8	92.3
134	25.0	13.2	39.6

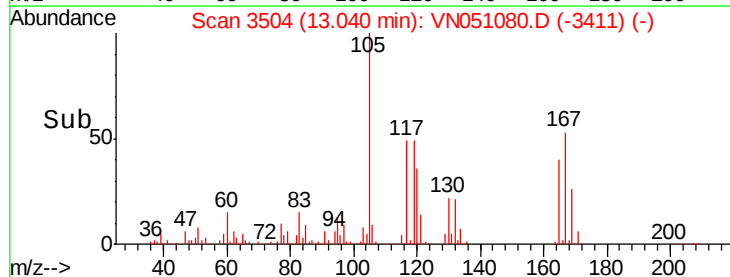
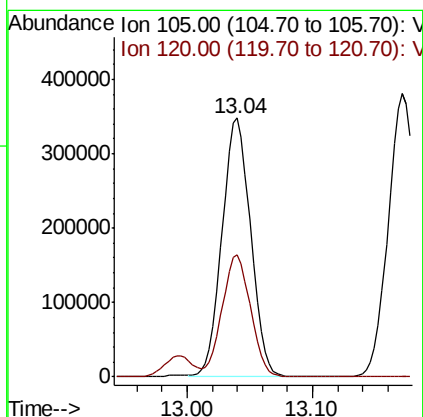
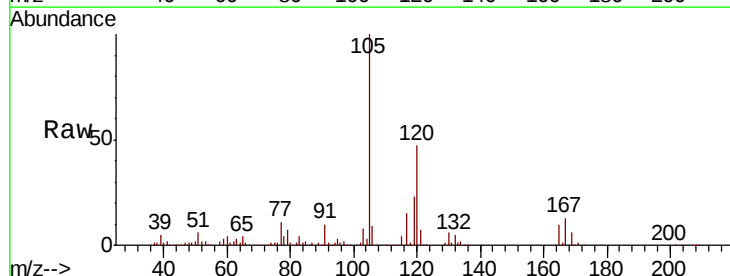
Manual Integrations
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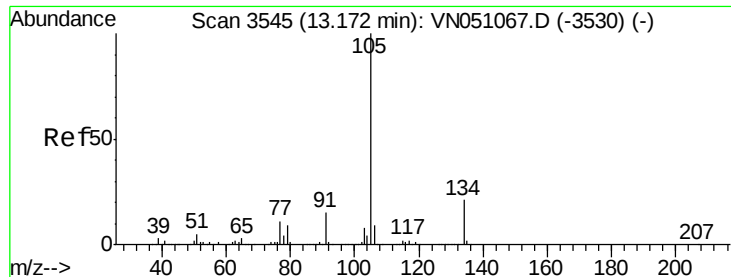
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.88 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8





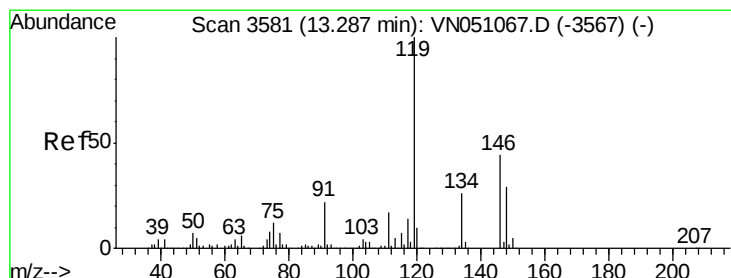
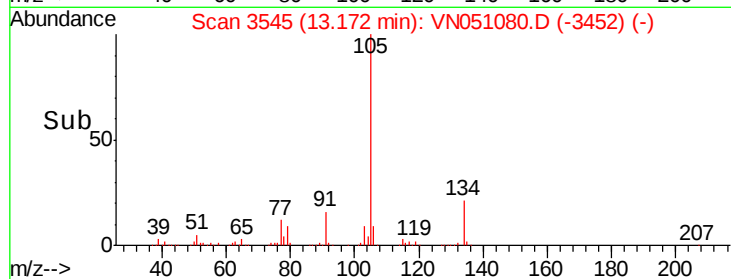
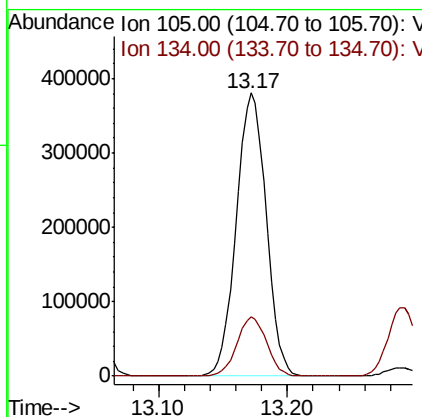
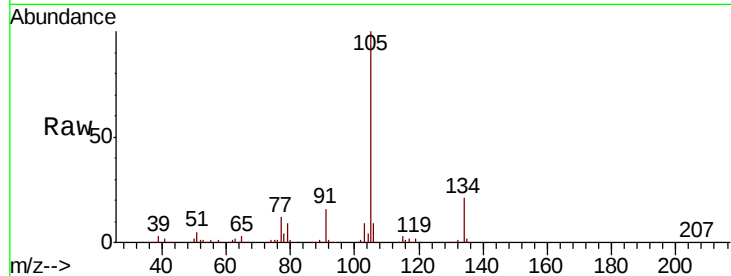
#85
 sec-Butylbenzene
 Concen: 19.18 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.4

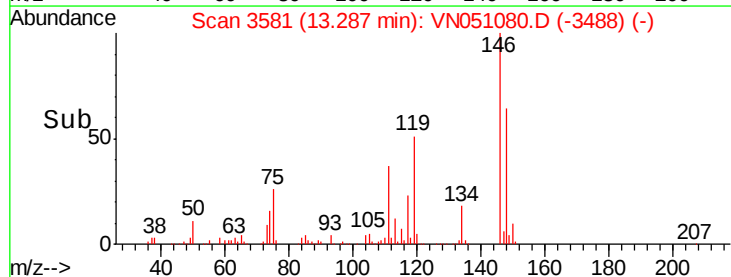
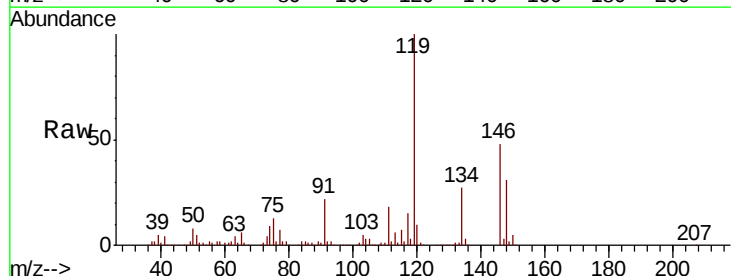
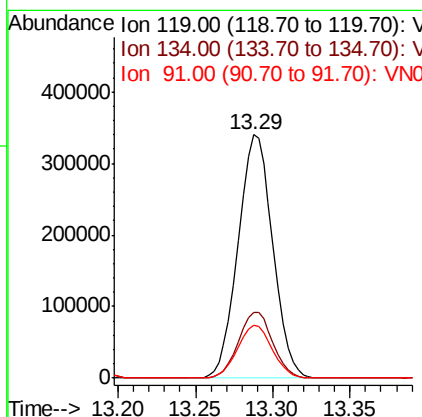
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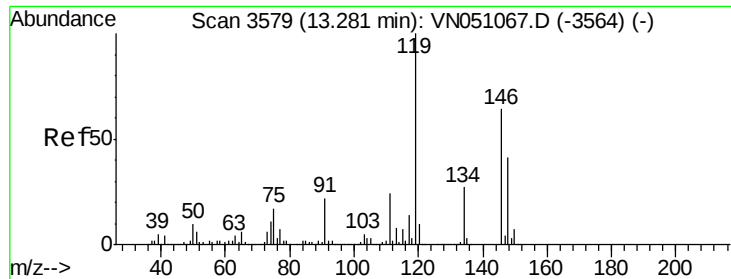
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#86
 p-Isopropyltoluene
 Concen: 19.50 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	21.7	10.9	32.9





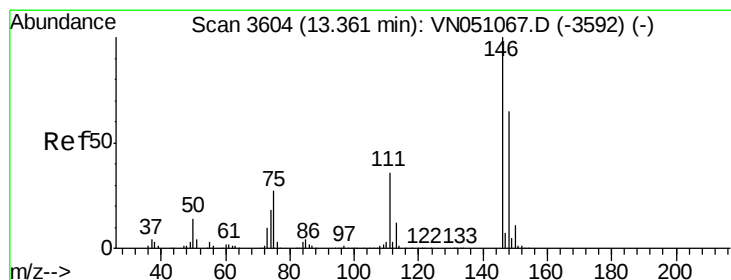
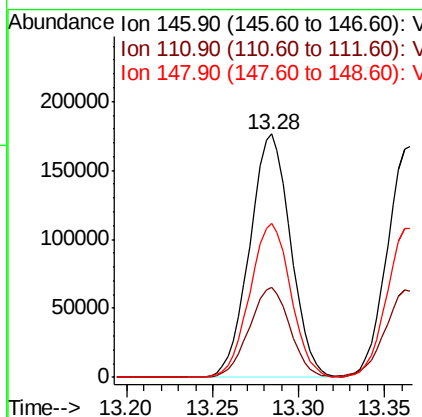
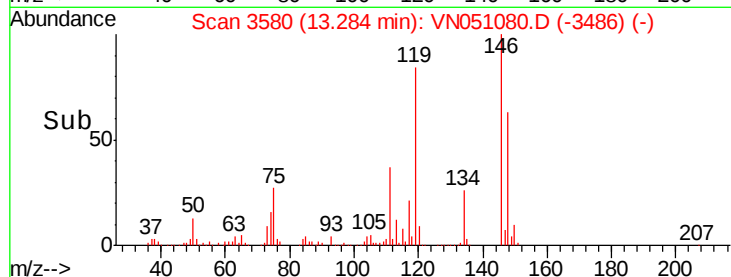
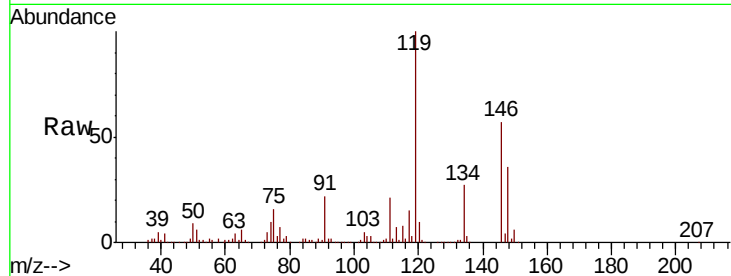
#87
 1,3-Dichlorobenzene
 Concen: 18.31 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	291102		
111	36.8	19.1	57.1	
148	63.3	32.2	96.6	

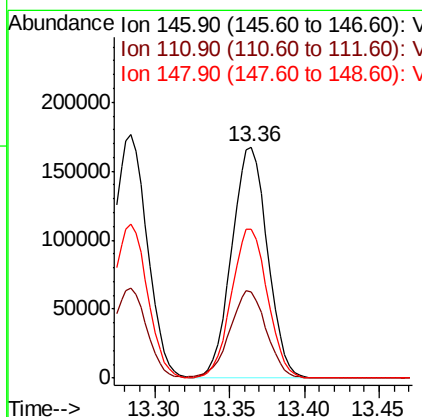
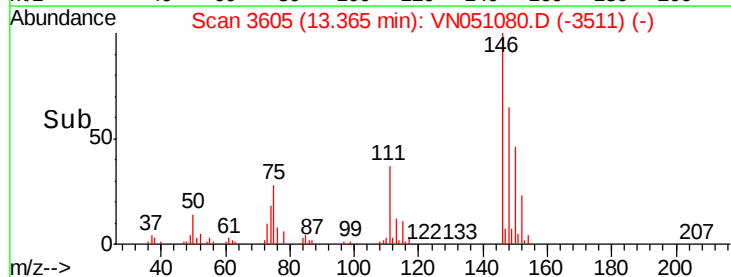
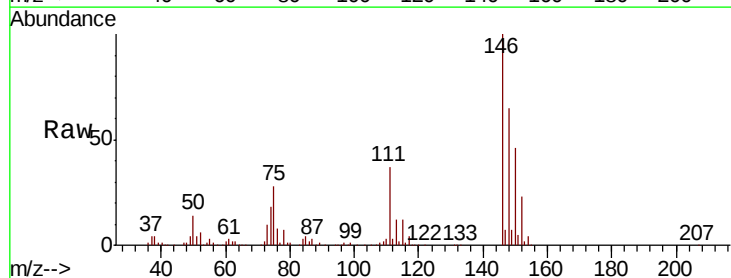
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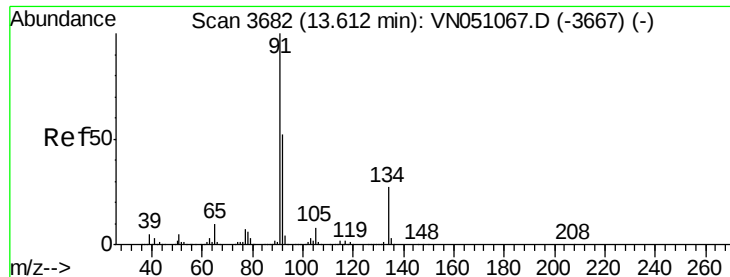
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#88
 1,4-Dichlorobenzene
 Concen: 19.15 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	279440		
111	38.9	18.4	55.0	
148	65.0	32.2	96.6	





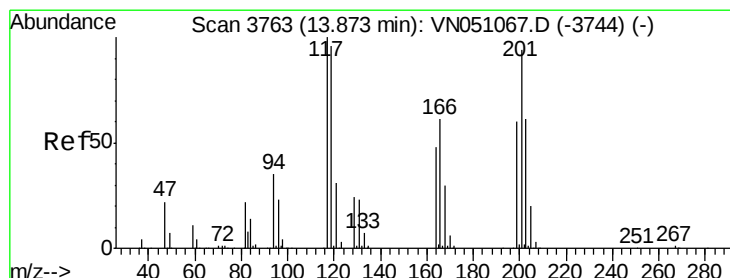
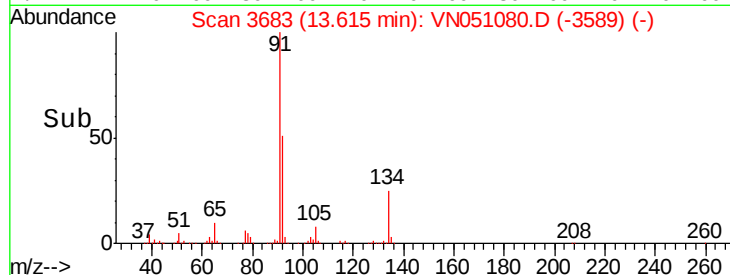
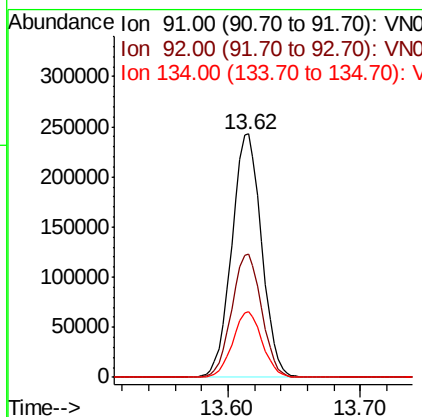
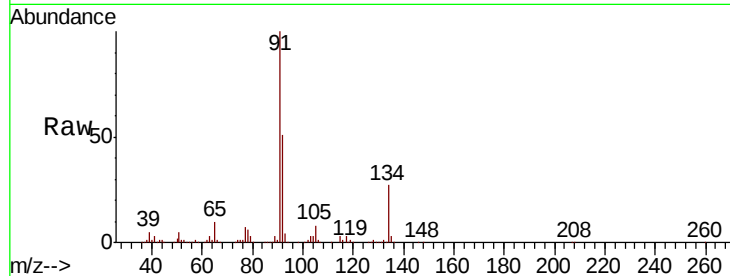
#89
n-Butylbenzene
Concen: 18.04 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.2	78.6
134	26.6	13.7	41.1

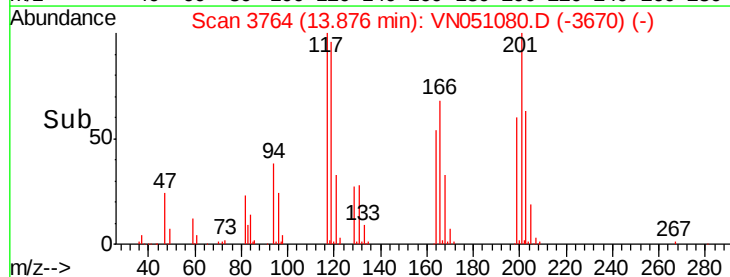
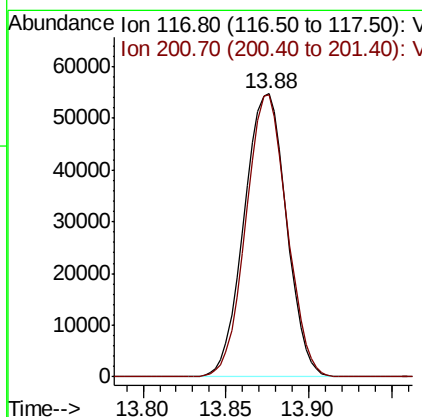
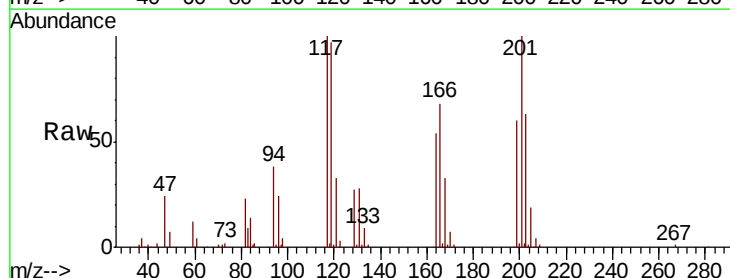
Manual Integrations
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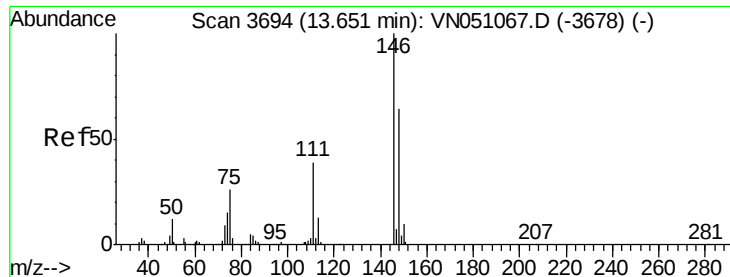
MMDadoda
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#90
Hexachloroethane
Concen: 19.36 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	47.3	142.0





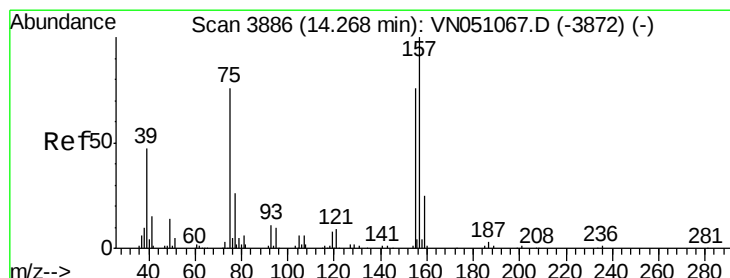
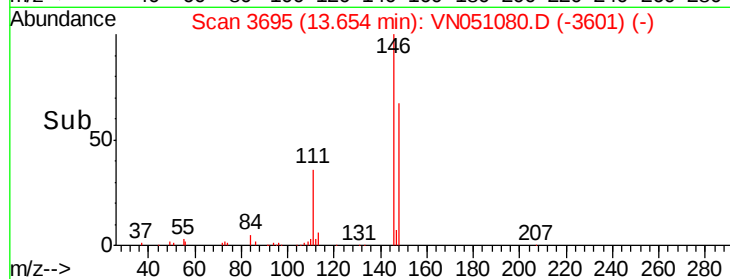
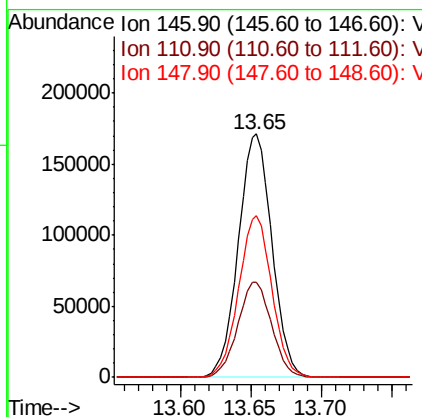
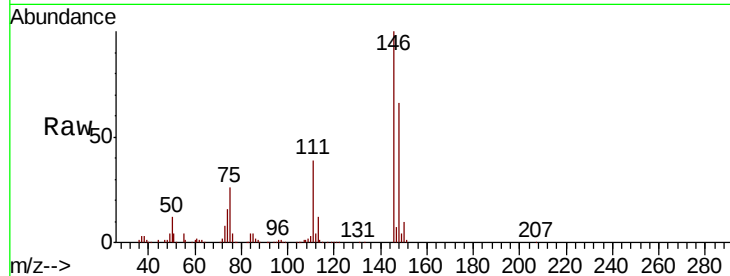
#91
 1,2-Dichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	65.4	32.1	96.3

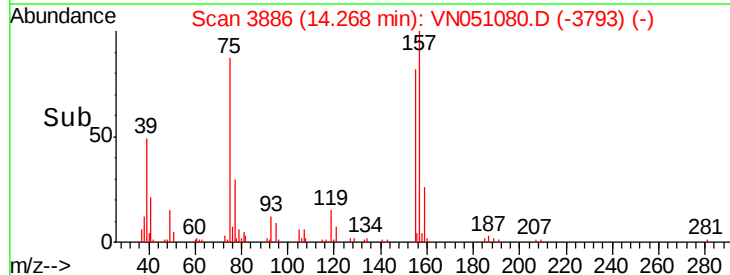
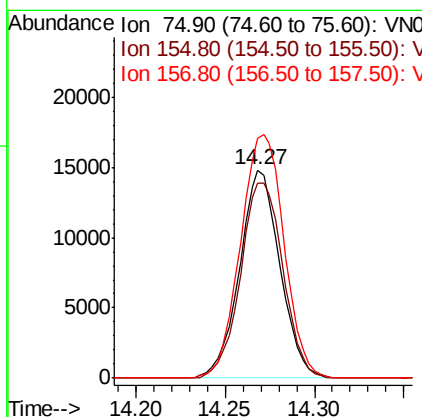
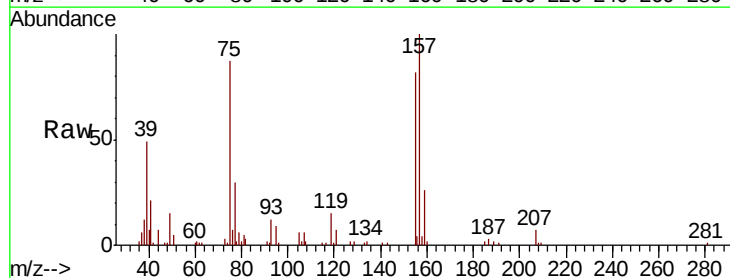
Manual Integrations
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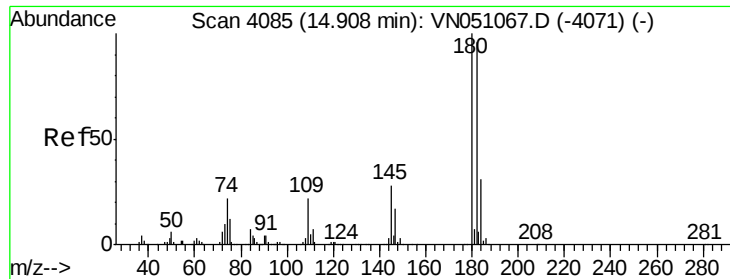
MMDadoda
 9/11/2018 9:40:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.05 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	48.7	146.1
157	126.2	63.6	190.9





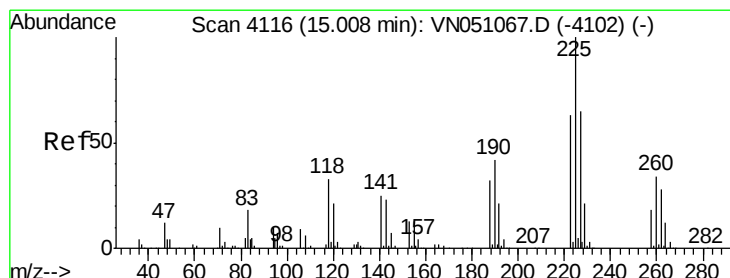
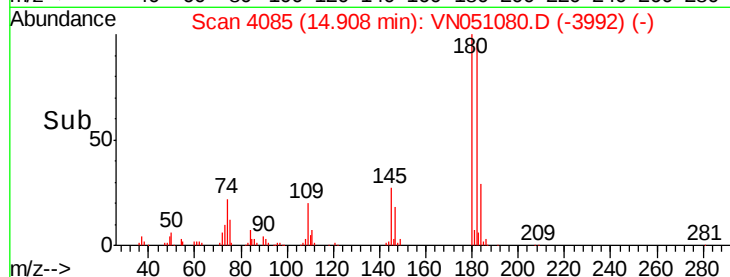
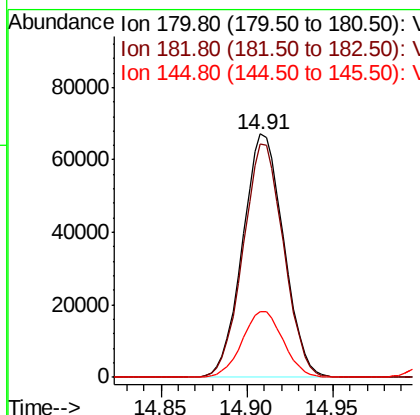
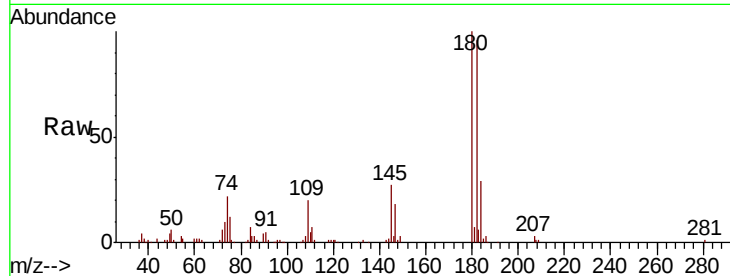
#93
 1,2,4-Trichlorobenzene
 Concen: 17.66 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.3	141.8	
145	27.1	14.2	42.6	

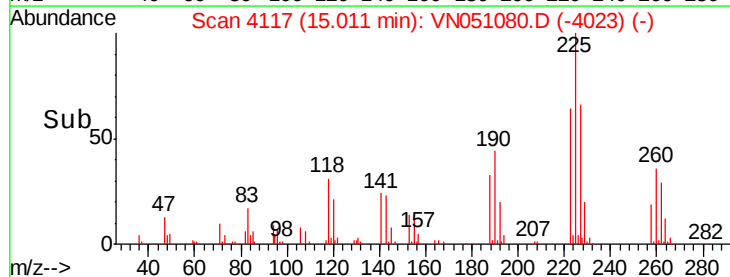
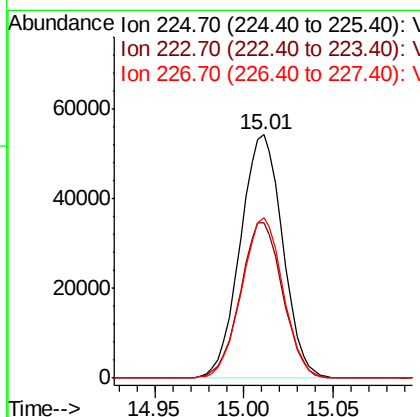
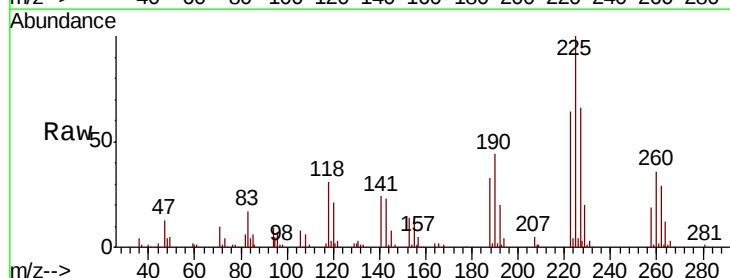
Manual Integrations
 APPROVED

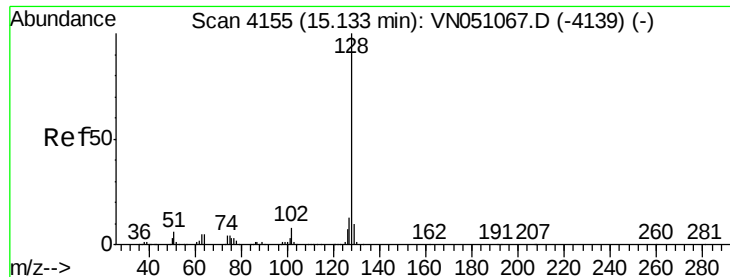
MMDadoda
 9/11/2018 9:40:54 AM



#94
 Hexachlorobutadiene
 Concen: 18.82 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.4	94.0	
227	64.7	32.1	96.3	





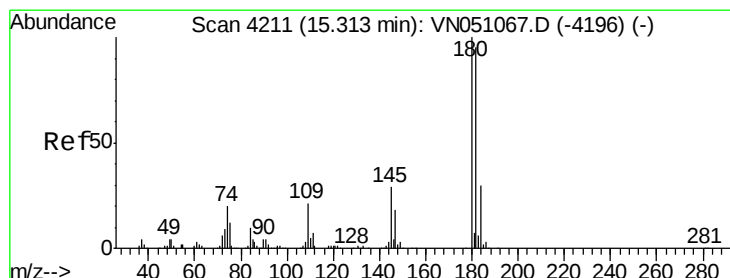
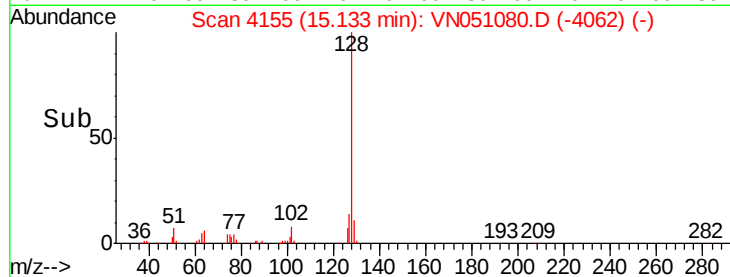
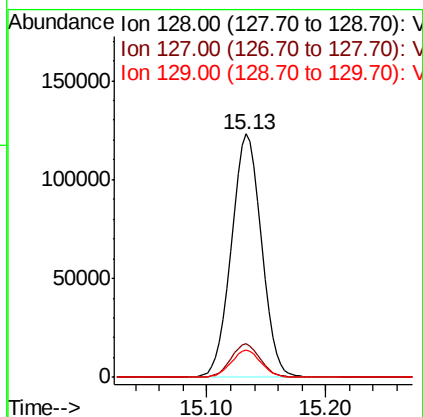
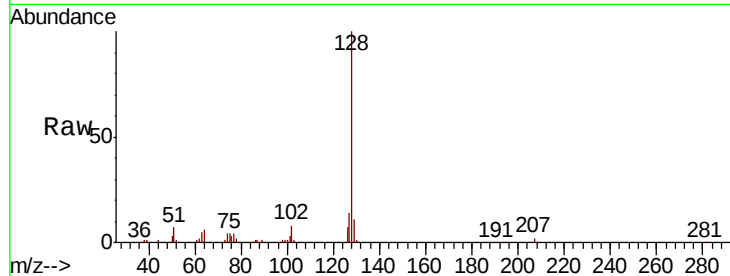
#95
Naphthalene
Concen: 17.67 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	215881		
127	13.5		10.6	15.8
129	11.0		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.40 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117457		
182	94.3		47.8	143.3
145	28.7		14.6	43.8

