

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020821\
 Data File : VN065768.D
 Acq On : 8 Feb 2021 20:32
 Operator : JC/MD
 Sample : M1317-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 R-A

Quant Time: Feb 09 00:44:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

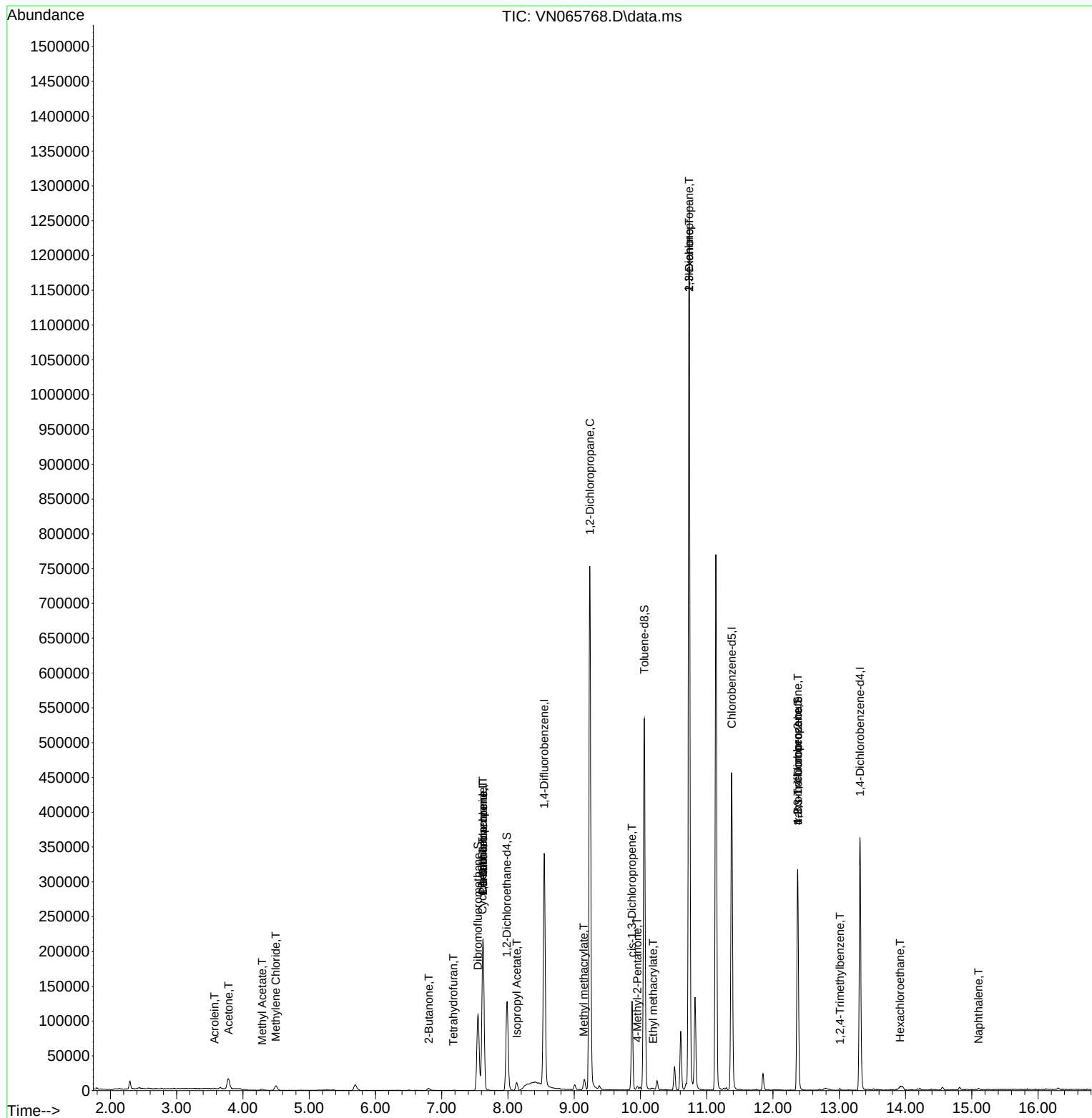
Internal Standards						
1) Pentafluorobenzene	7.624	168	185770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	314256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	281455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	105711	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	107324	43.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.82%		
35) Dibromofluoromethane	7.547	113	90083	48.37	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.74%		
50) Toluene-d8	10.058	98	392218	53.58	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.16%		
62) 4-Bromofluorobenzene	12.373	95	126866	48.13	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.26%		
Target Compounds						
					Qvalue	
13) Acrolein	3.570	56	61	18.23	ug/l #	1
16) Acetone	3.782	43	23366	24.56	ug/l	97
18) Methyl Acetate	4.290	43	3908	1.47	ug/l #	69
20) Methylene Chloride	4.496	84	5309	2.02	ug/l	93
25) 2-Butanone	6.804	43	4429	2.97	ug/l	100
29) Tetrahydrofuran	7.177	42	494	0.46	ug/l #	32
31) Cyclohexane	7.614	56	3048	0.66	ug/l #	1
36) 1,1-Dichloropropene	7.621	75	13454	4.25	ug/l #	46
38) Carbon Tetrachloride	7.621	117	16826	6.46	ug/l #	17
43) Isopropyl Acetate	8.132	43	13656	2.54	ug/l #	90
45) 1,2-Dichloropropane	9.238	63	887	0.33	ug/l #	44
48) Methyl methacrylate	9.145	41	4044	1.58	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3660	1.23	ug/l	95
54) cis-1,3-Dichloropropene	9.872	75	26294	6.44	ug/l #	56
56) Ethyl methacrylate	10.190	69	1642	0.46	ug/l #	45
57) 1,3-Dichloropropane	10.733	76	13864	3.61	ug/l #	43
59) 2-Hexanone	10.733	43	174239	84.62	ug/l #	51
76) 1,2,3-Trichloropropane	12.373	75	56422	20.41	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	56422	52.28	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	2152	0.27	ug/l	94
90) Hexachloroethane	13.916	117	395	0.29	ug/l #	12
95) Naphthalene	15.103	128	3047	3.87	ug/l #	83

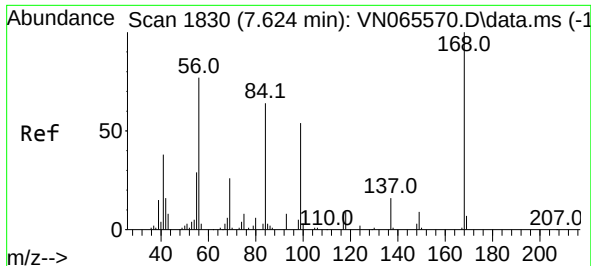
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:47:28 2021
Response via : Initial Calibration

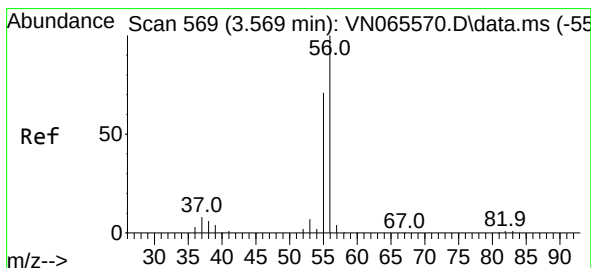
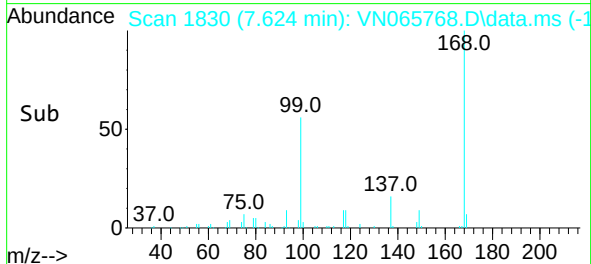
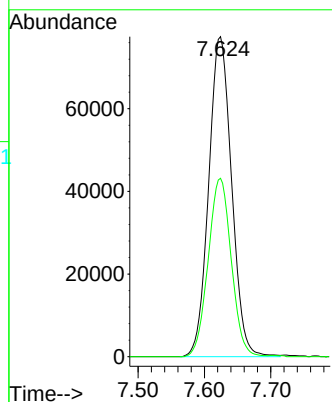
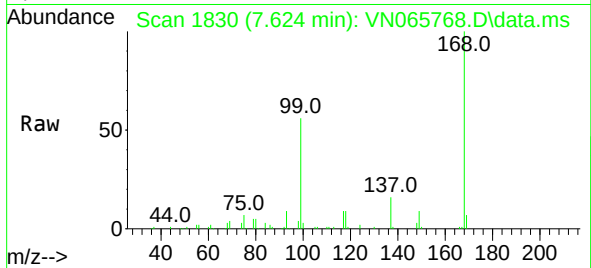




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

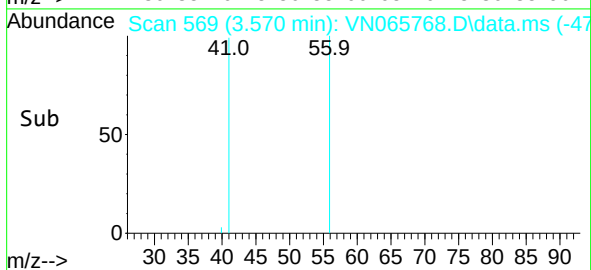
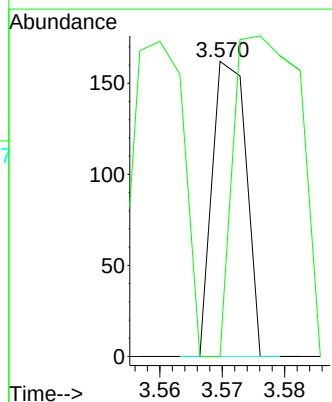
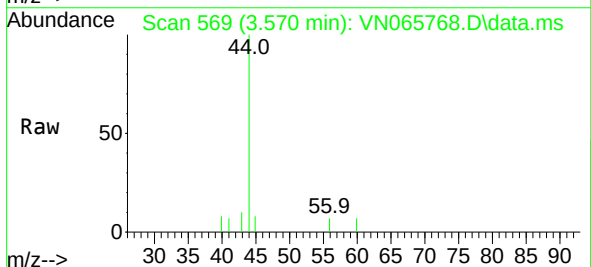
Instrument :
MSVOA_N
ClientSampled :
R-A

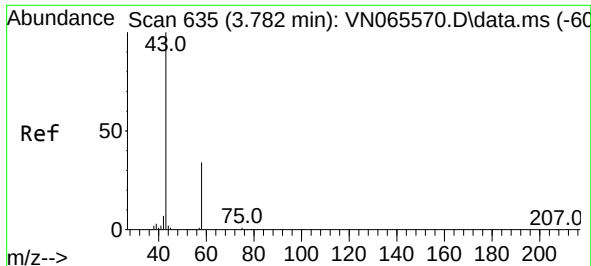
Tgt Ion:168 Resp: 185770
Ion Ratio Lower Upper
168 100
99 55.7 42.6 63.8



#13
Acrolein
Concen: 18.23 ug/l
RT: 3.570 min Scan# 569
Delta R.T. 0.001 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

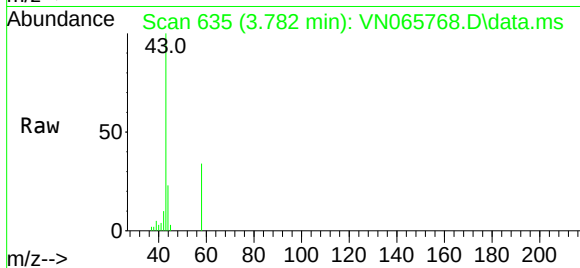
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 213.1 56.0 84.0#



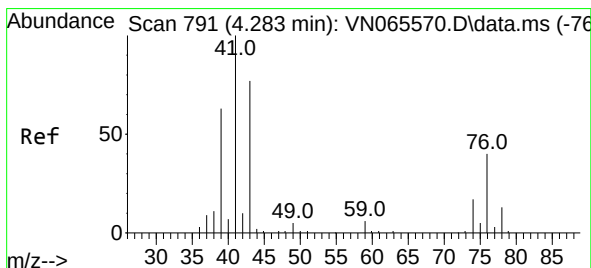
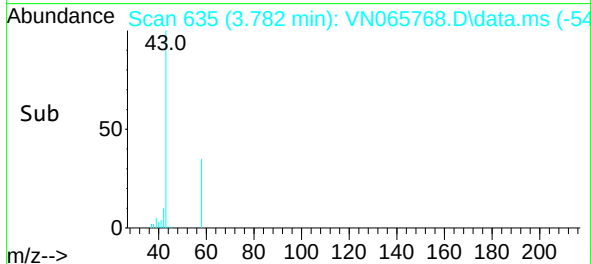
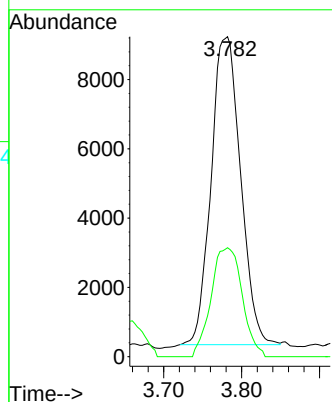


#16
Acetone
Concen: 24.56 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Instrument :
MSVOA_N
ClientSampled :
R-A

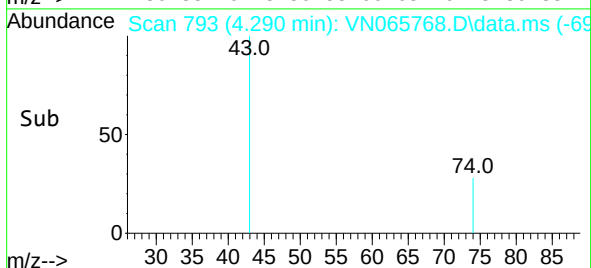
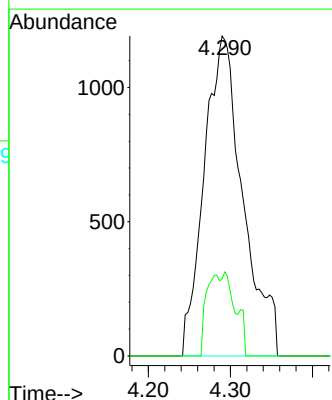
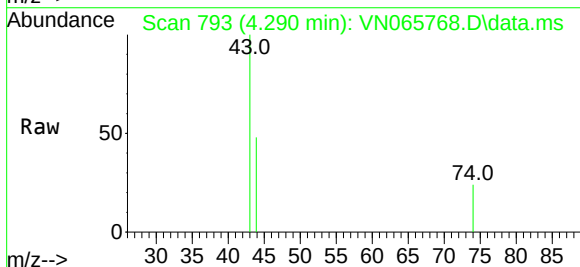


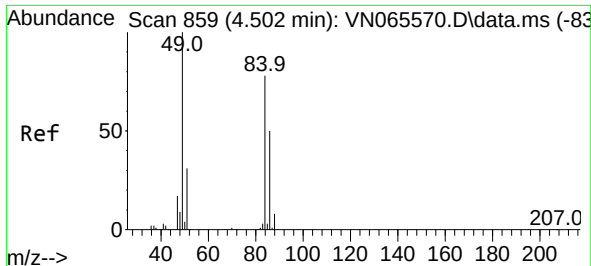
Tgt Ion: 43 Resp: 23366
Ion Ratio Lower Upper
43 100
58 35.4 27.0 40.6



#18
Methyl Acetate
Concen: 1.47 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.007 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 43 Resp: 3908
Ion Ratio Lower Upper
43 100
74 9.1 19.5 29.3#

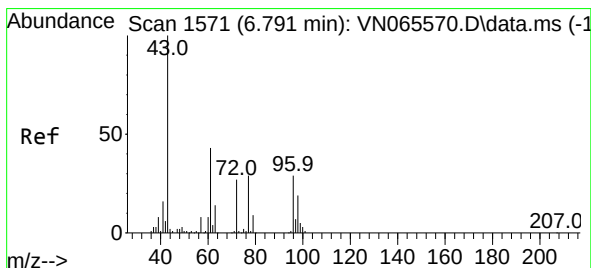
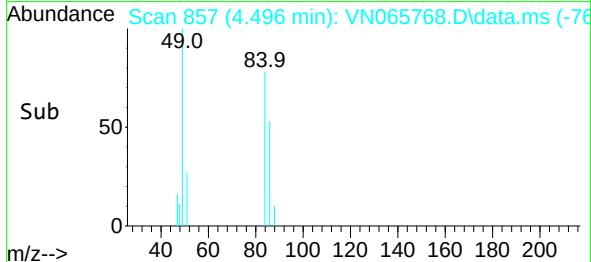
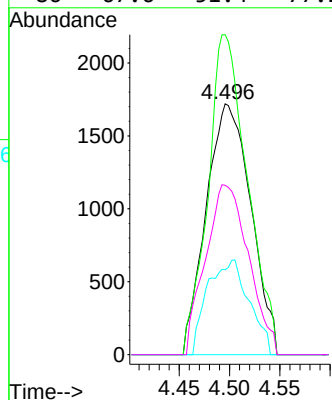
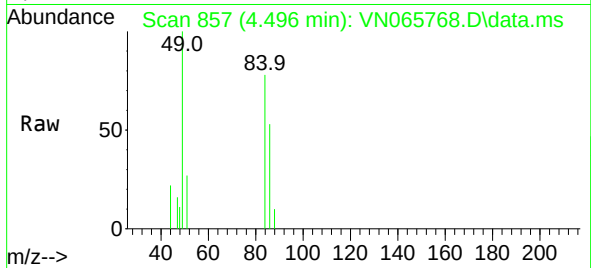




#20
Methylene Chloride
Concen: 2.02 ug/l
RT: 4.496 min Scan# 857
Delta R.T. -0.006 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

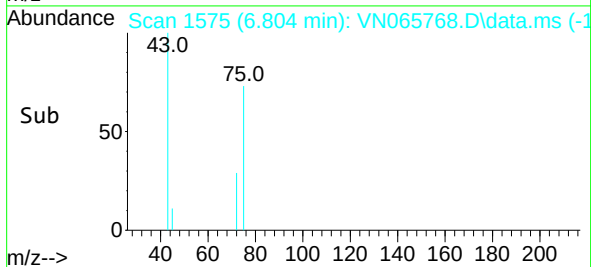
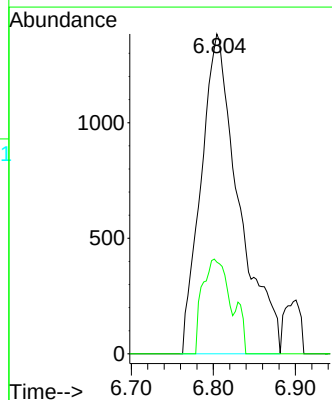
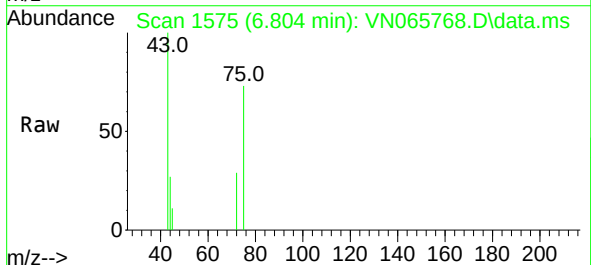
Instrument :
MSVOA_N
ClientSampled :
R-A

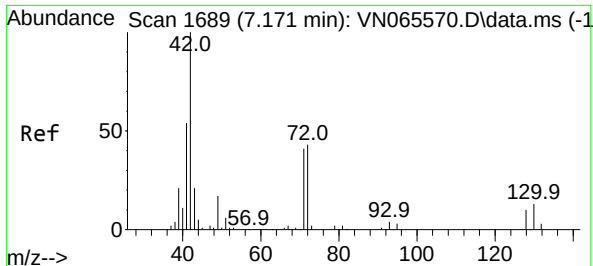
Tgt Ion:	84	Resp:	5309
Ion	Ratio	Lower	Upper
84	100		
49	127.6	94.6	141.8
51	33.8	29.9	44.9
86	67.6	51.4	77.2



#25
2-Butanone
Concen: 2.97 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.013 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion:	43	Resp:	4429
Ion	Ratio	Lower	Upper
43	100		
72	28.7	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 7.177 min Scan# 1691

Delta R.T. 0.006 min

Lab File: VN065768.D

Acq: 8 Feb 2021 20:32

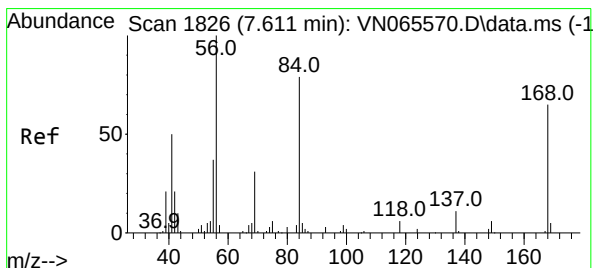
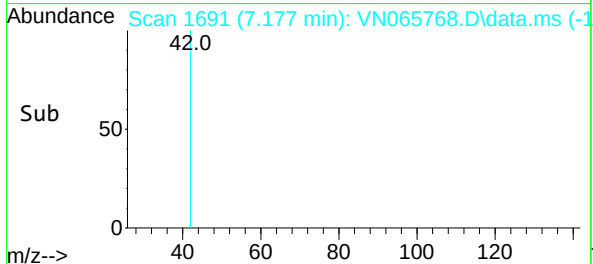
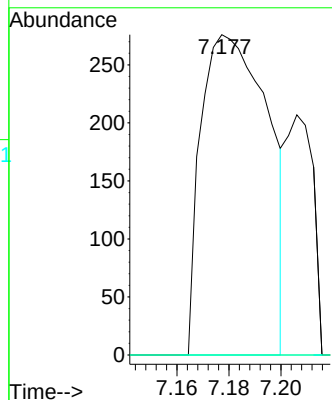
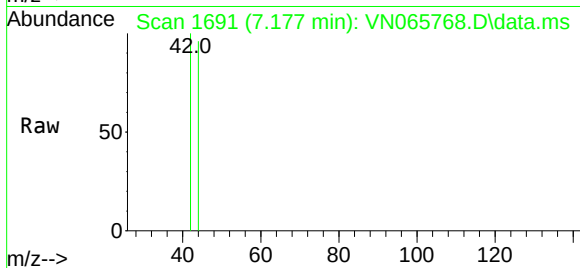
Tgt Ion: 42 Resp: 494

Ion Ratio Lower Upper

42 100

72 0.0 36.6 55.0#

71 0.0 34.3 51.5#



#31

Cyclohexane

Concen: 0.66 ug/l

RT: 7.614 min Scan# 1827

Delta R.T. 0.003 min

Lab File: VN065768.D

Acq: 8 Feb 2021 20:32

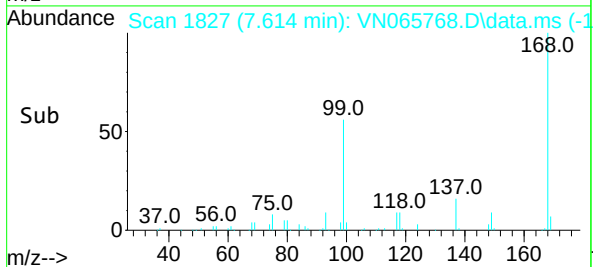
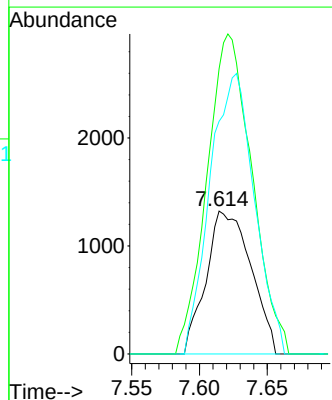
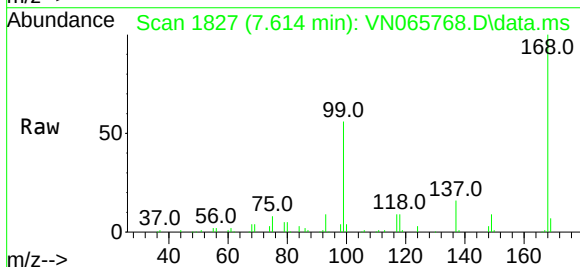
Tgt Ion: 56 Resp: 3048

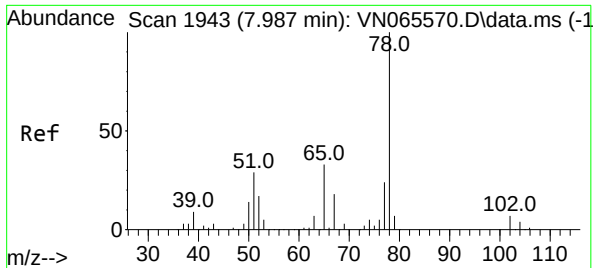
Ion Ratio Lower Upper

56 100

69 186.9 26.6 39.8#

84 162.8 70.4 105.6#

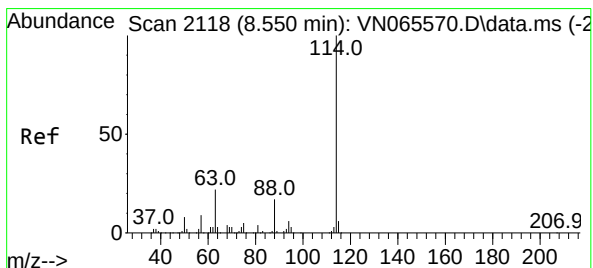
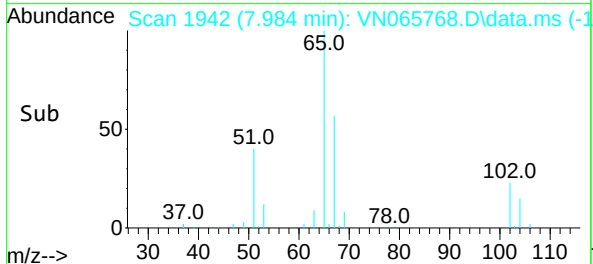
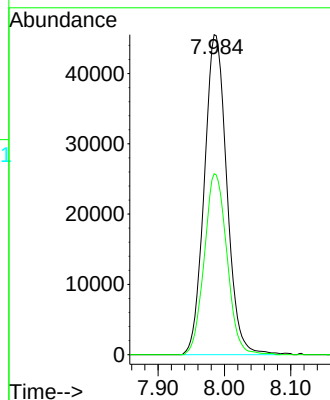
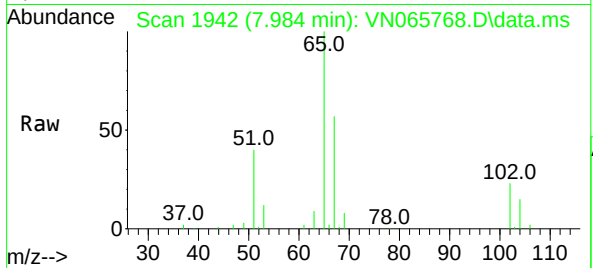




#33
1,2-Dichloroethane-d4
Concen: 43.91 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

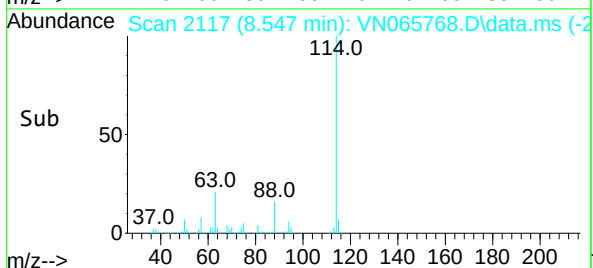
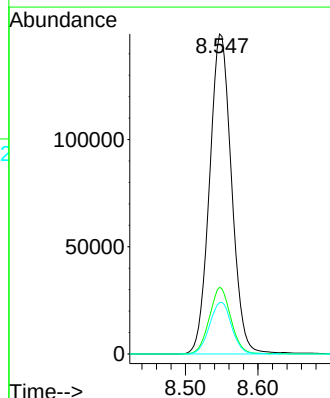
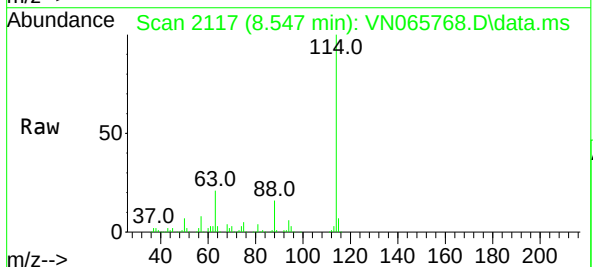
Instrument :
MSVOA_N
ClientSampled :
R-A

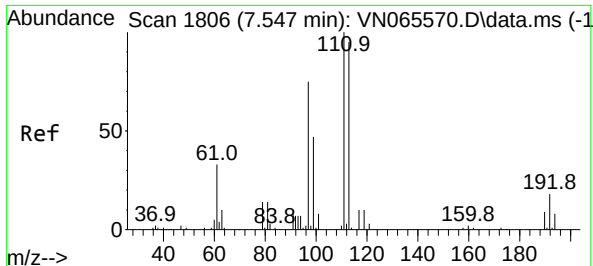
Tgt Ion: 65 Resp: 107324
Ion Ratio Lower Upper
65 100
67 56.9 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 114 Resp: 314256
Ion Ratio Lower Upper
114 100
63 20.9 0.0 38.6
88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.37 ug/l

RT: 7.547 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN065768.D

Acq: 8 Feb 2021 20:32

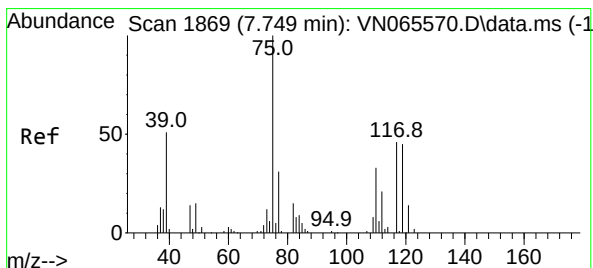
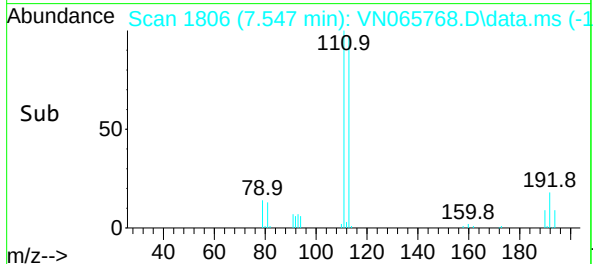
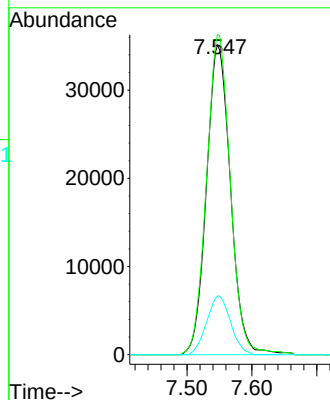
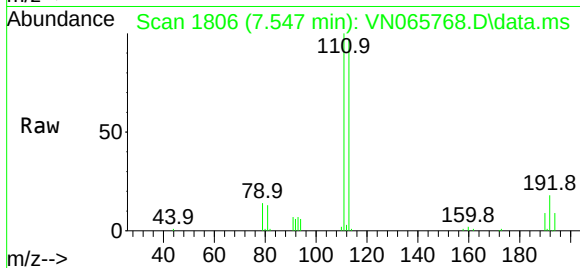
Tgt Ion:113 Resp: 90083

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 18.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.25 ug/l

RT: 7.621 min Scan# 1829

Delta R.T. -0.128 min

Lab File: VN065768.D

Acq: 8 Feb 2021 20:32

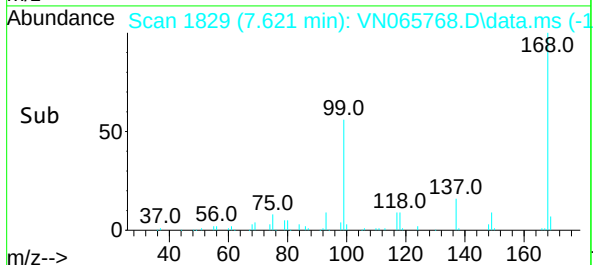
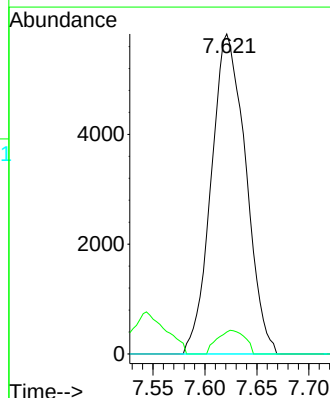
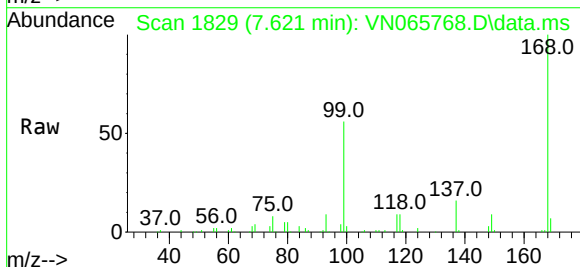
Tgt Ion: 75 Resp: 13454

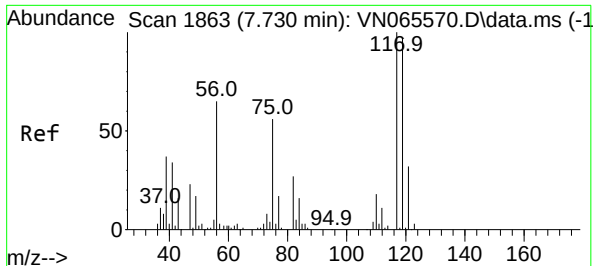
Ion Ratio Lower Upper

75 100

110 5.9 18.2 54.6#

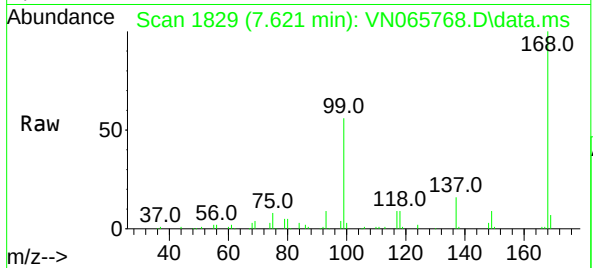
77 0.0 24.9 37.3#



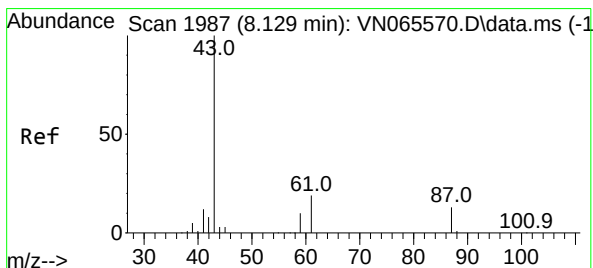
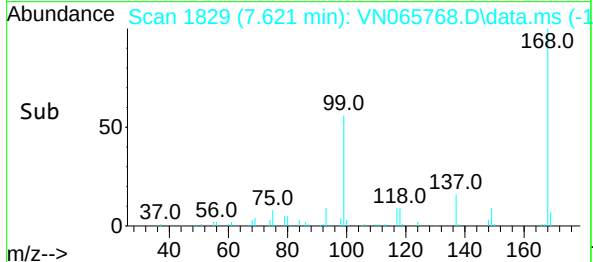
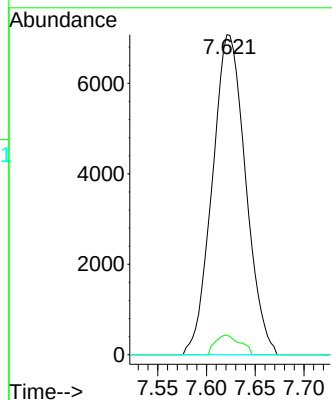


#38
Carbon Tetrachloride
Concen: 6.46 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Instrument :
MSVOA_N
ClientSampled :
R-A

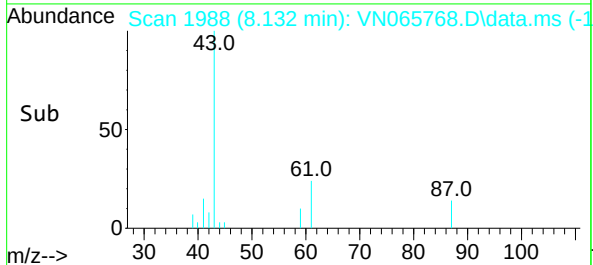
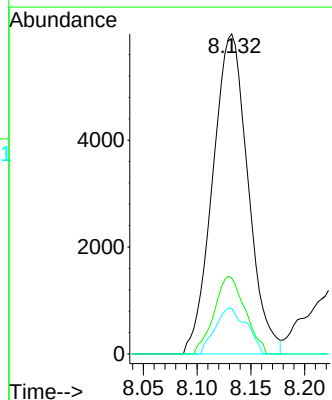
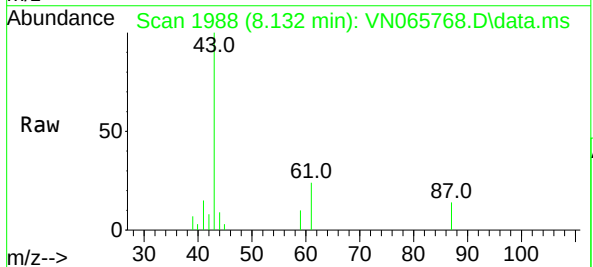


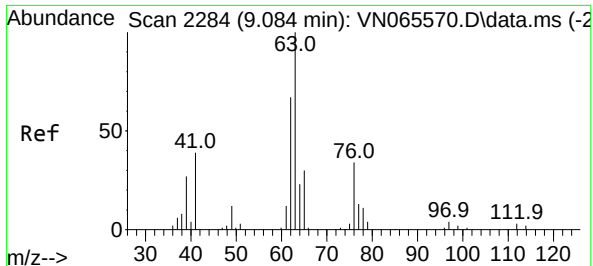
Tgt Ion:117 Resp: 16826
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 2.54 ug/l
RT: 8.132 min Scan# 1988
Delta R.T. 0.003 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 43 Resp: 13656
Ion Ratio Lower Upper
43 100
61 21.3 22.5 33.7#
87 12.7 11.1 16.7

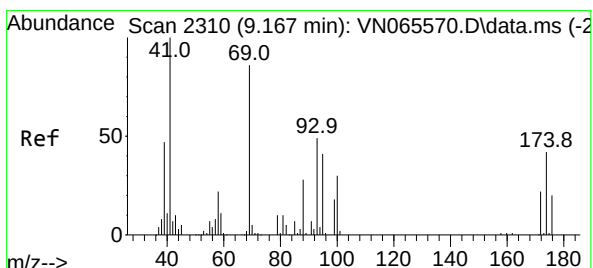
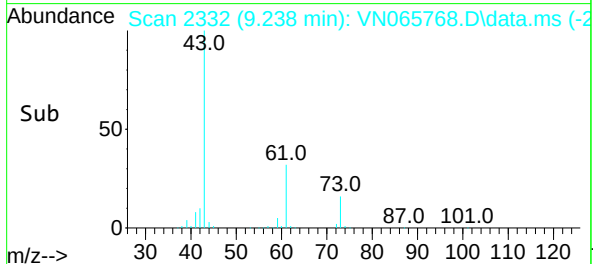
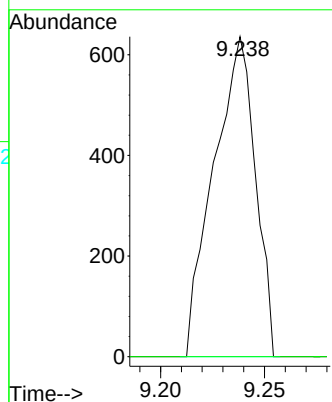
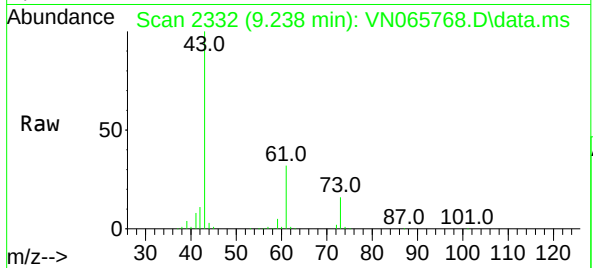




#45
1,2-Dichloropropane
Concen: 0.33 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

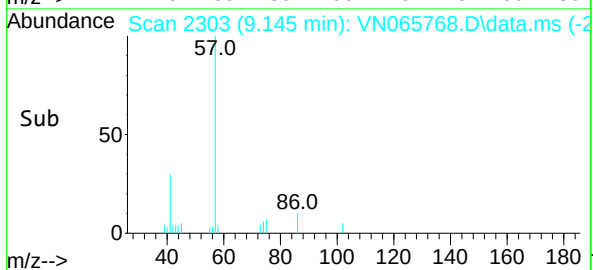
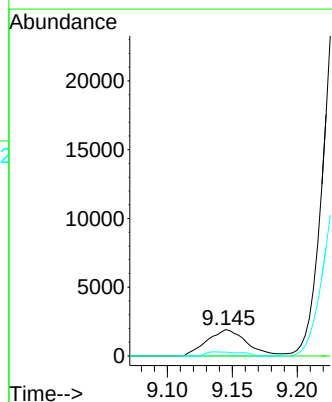
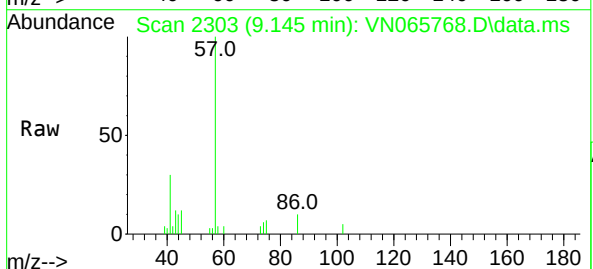
Instrument :
MSVOA_N
ClientSampled :
R-A

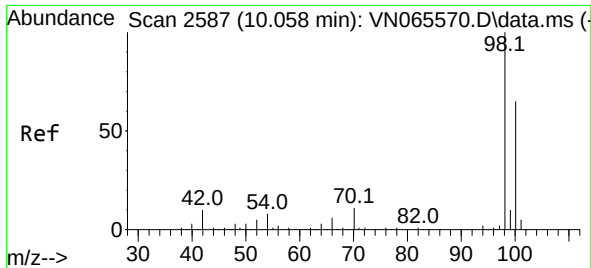
Tgt Ion: 63 Resp: 887
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.58 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 41 Resp: 4044
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

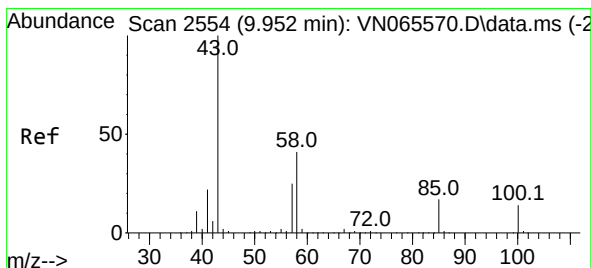
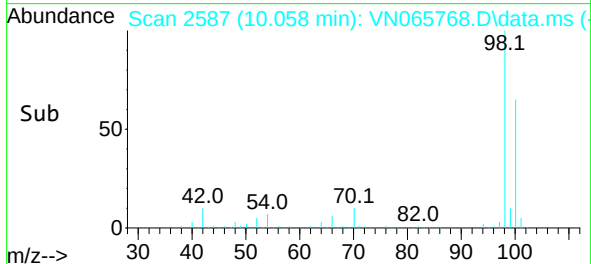
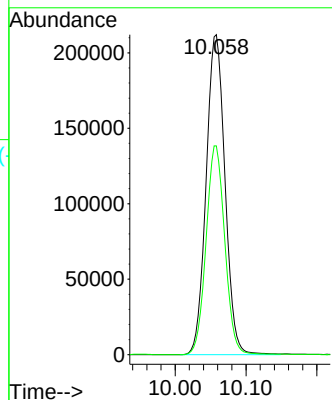
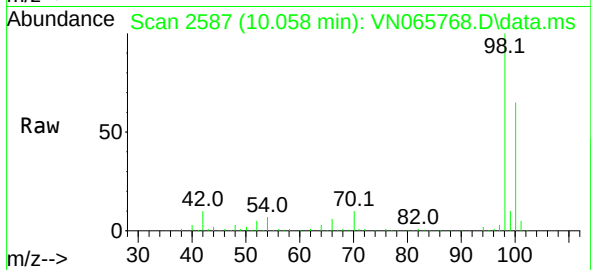




#50
Toluene-d8
Concen: 53.58 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

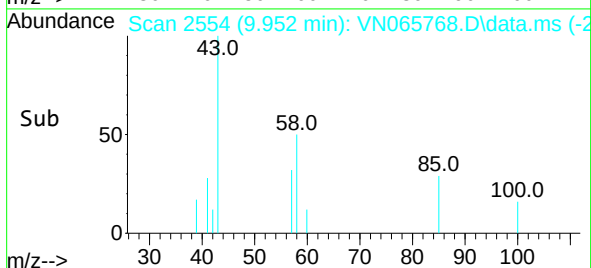
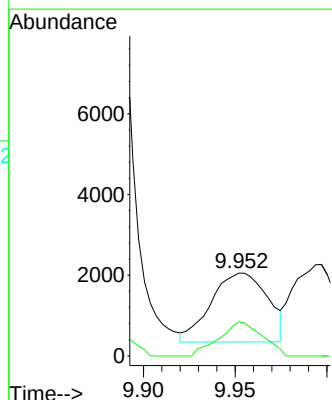
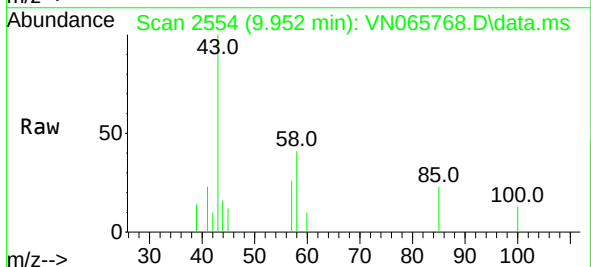
Instrument :
MSVOA_N
ClientSampled :
R-A

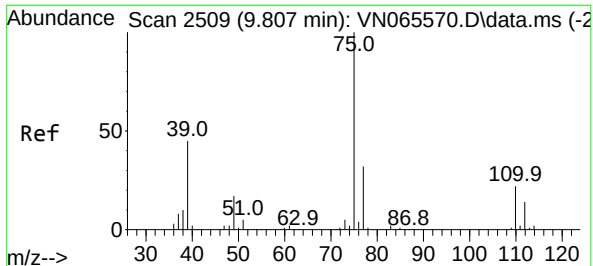
Tgt Ion: 98 Resp: 392218
Ion Ratio Lower Upper
98 100
100 64.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.23 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 43 Resp: 3660
Ion Ratio Lower Upper
43 100
58 37.7 32.5 48.7

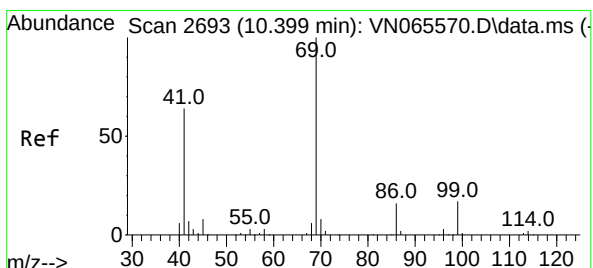
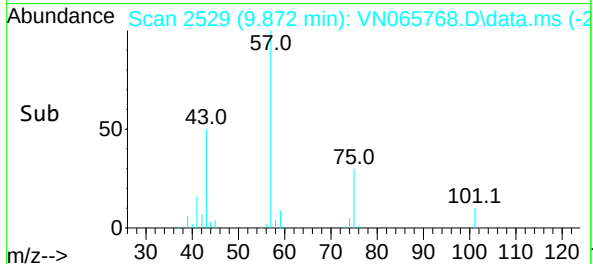
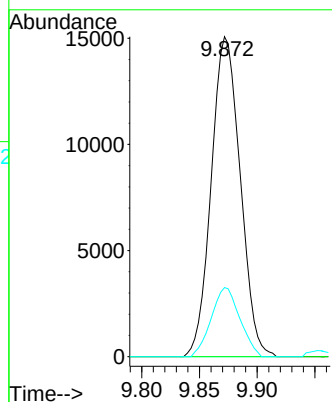
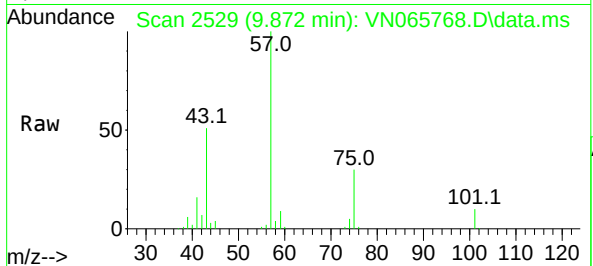




#54
cis-1,3-Dichloropropene
Concen: 6.44 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

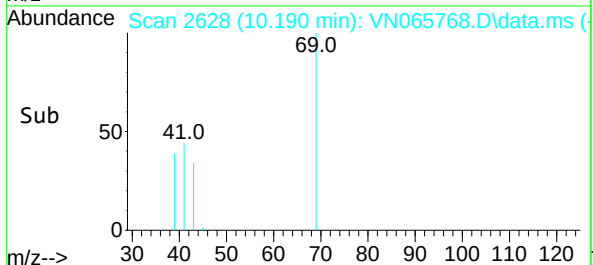
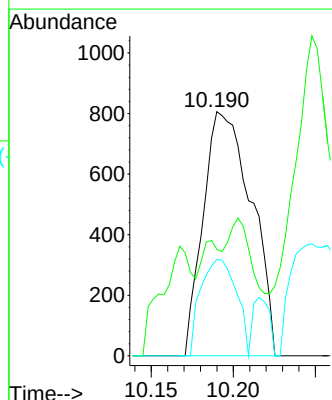
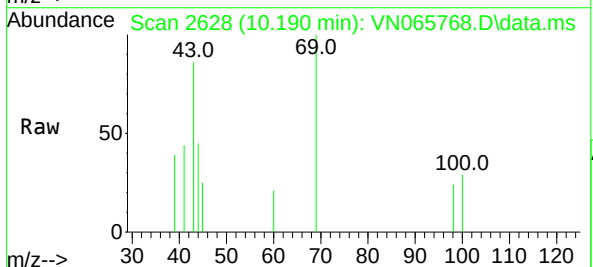
Instrument :
MSVOA_N
ClientSampled :
R-A

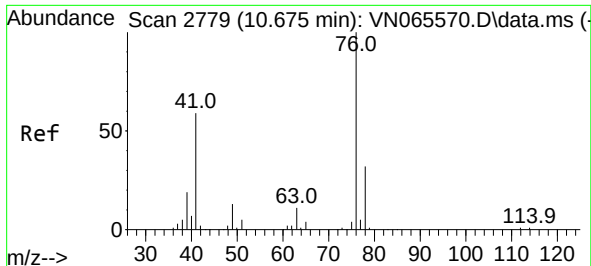
Tgt Ion: 75 Resp: 26294
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 21.6 36.2 54.4#



#56
Ethyl methacrylate
Concen: 0.46 ug/l
RT: 10.190 min Scan# 2628
Delta R.T. -0.209 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 69 Resp: 1642
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 29.2 28.0 42.0

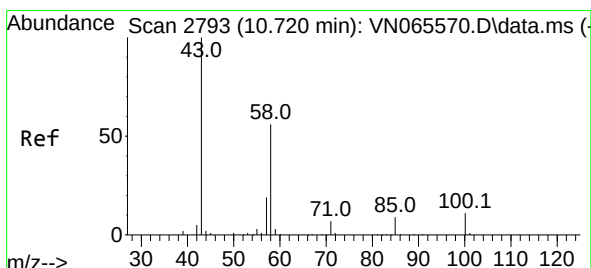
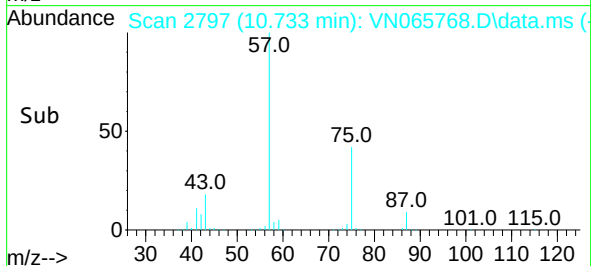
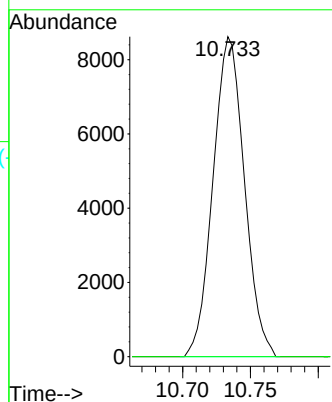
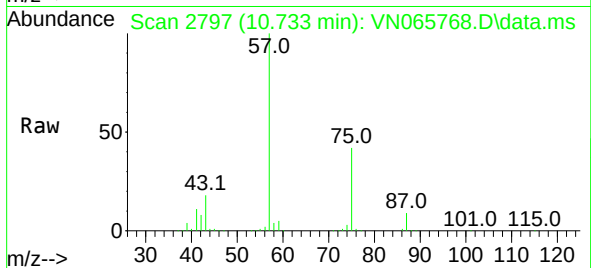




#57
1,3-Dichloropropane
Concen: 3.61 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

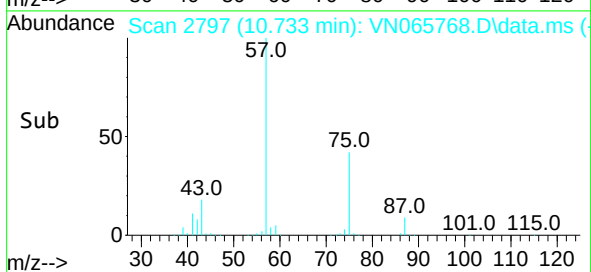
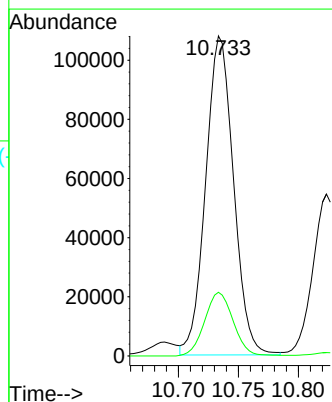
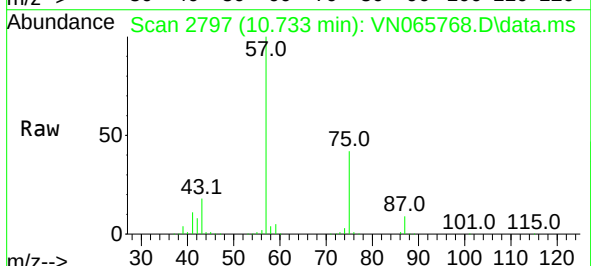
Instrument :
MSVOA_N
ClientSampled :
R-A

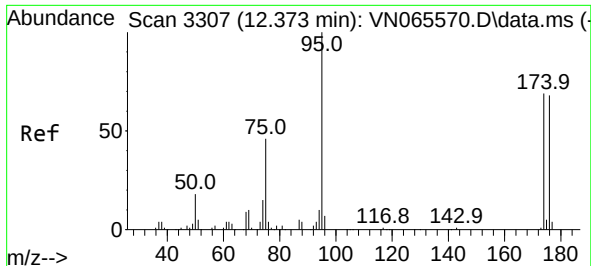
Tgt Ion: 76 Resp: 13864
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 84.62 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 43 Resp: 174239
Ion Ratio Lower Upper
43 100
58 20.6 28.1 84.3#

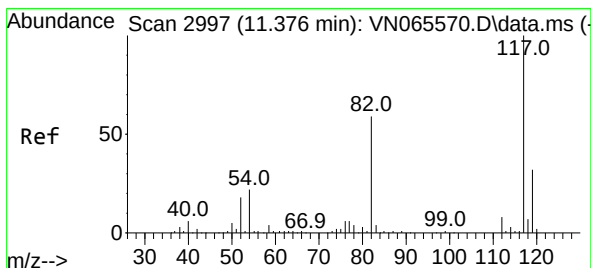
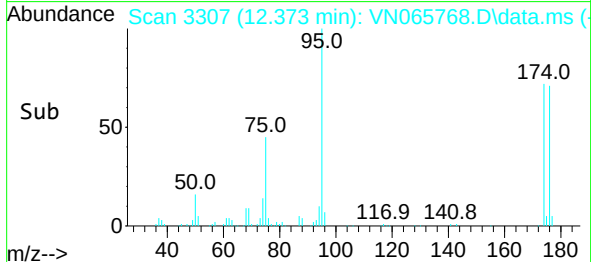
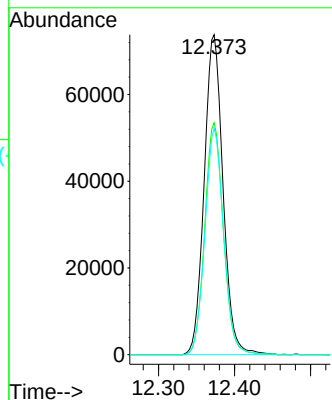
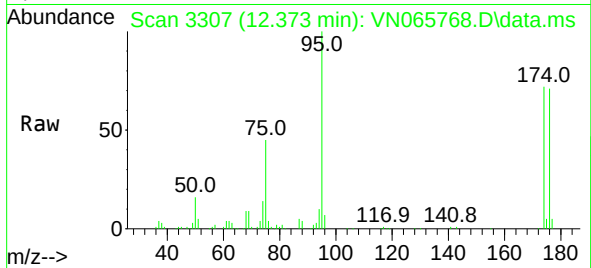




#62
4-Bromofluorobenzene
Concen: 48.13 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

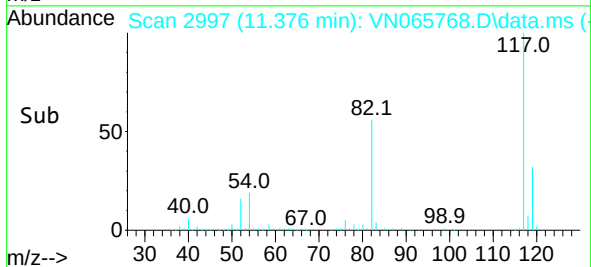
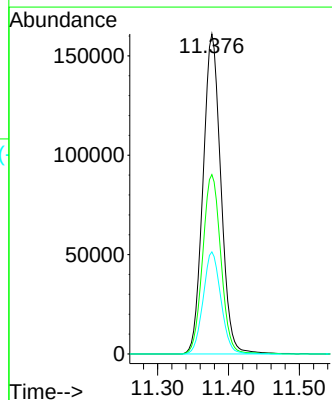
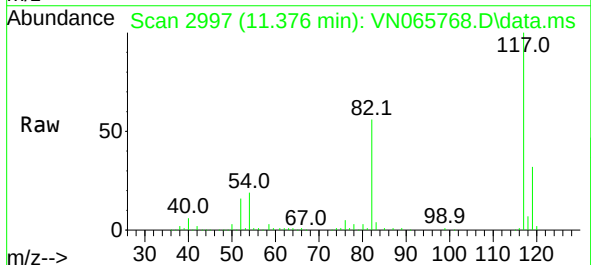
Instrument :
MSVOA_N
ClientSampled :
R-A

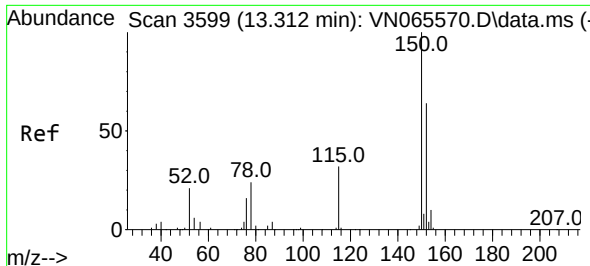
Tgt Ion: 95 Resp: 126866
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 70.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

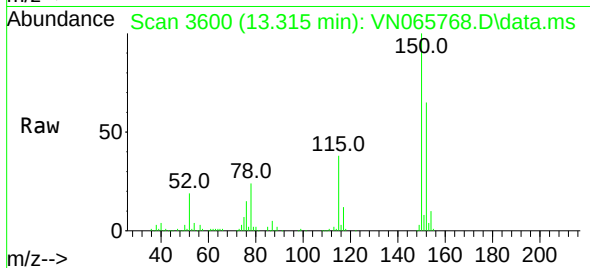
Tgt Ion: 117 Resp: 281455
Ion Ratio Lower Upper
117 100
82 56.0 43.7 65.5
119 31.9 26.1 39.1



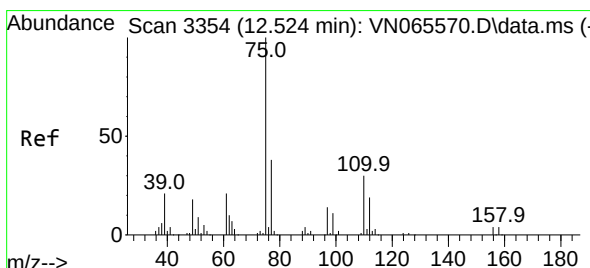
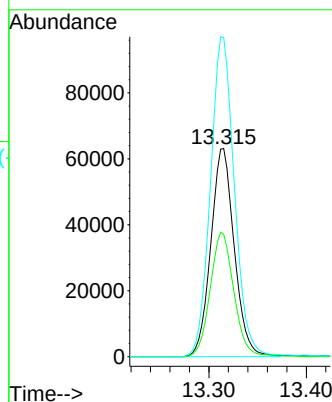
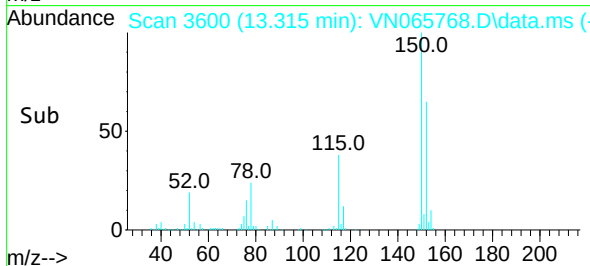


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

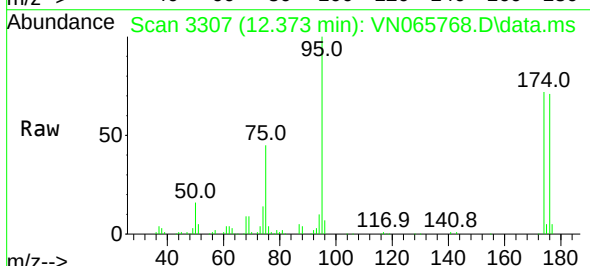
Instrument :
MSVOA_N
ClientSampled :
R-A



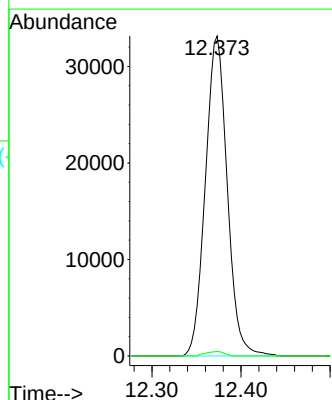
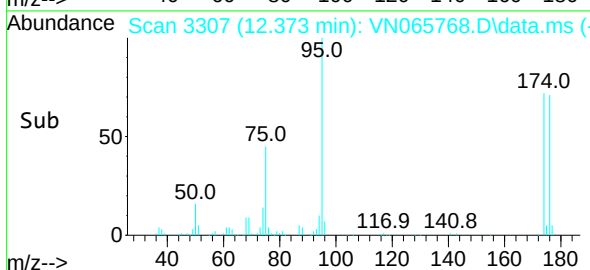
Tgt Ion:152 Resp: 105711
Ion Ratio Lower Upper
152 100
115 60.0 28.5 85.6
150 157.0 0.0 347.6

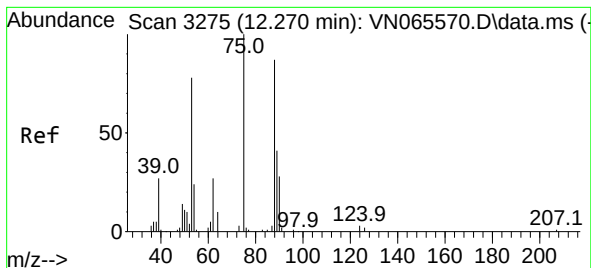


#76
1,2,3-Trichloropropane
Concen: 20.41 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32



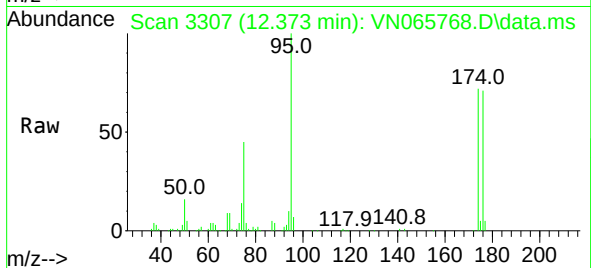
Tgt Ion: 75 Resp: 56422
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



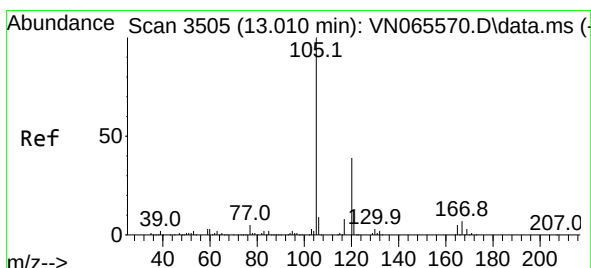
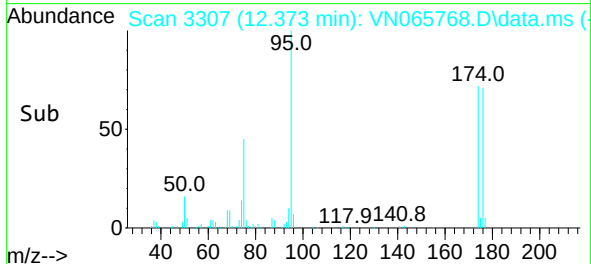
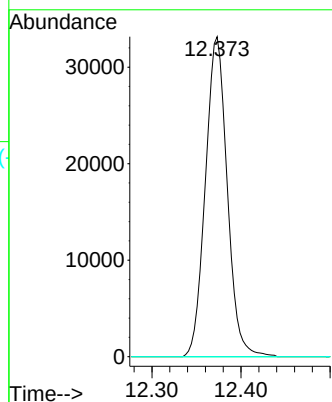


#81
trans-1,4-Dichloro-2-butene
Concen: 52.28 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Instrument :
MSVOA_N
ClientSampled :
R-A

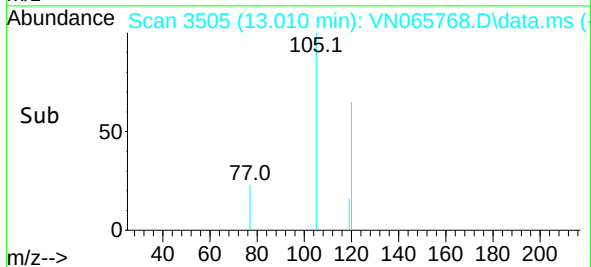
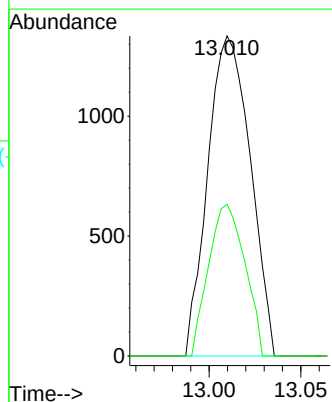
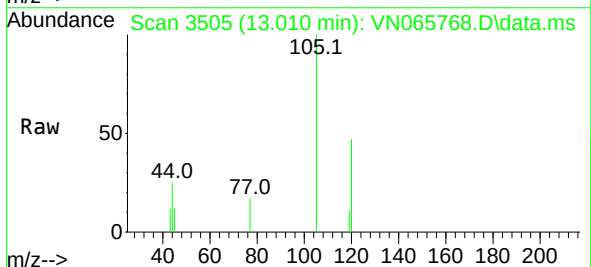


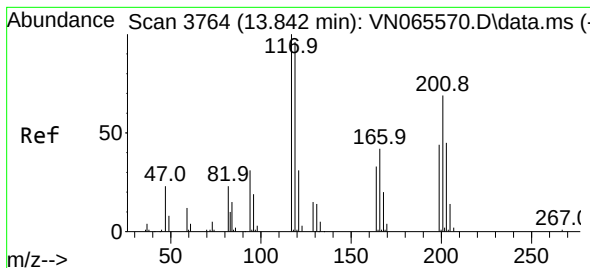
Tgt Ion: 75 Resp: 56422
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.27 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion: 105 Resp: 2152
Ion Ratio Lower Upper
105 100
120 40.5 22.4 67.0

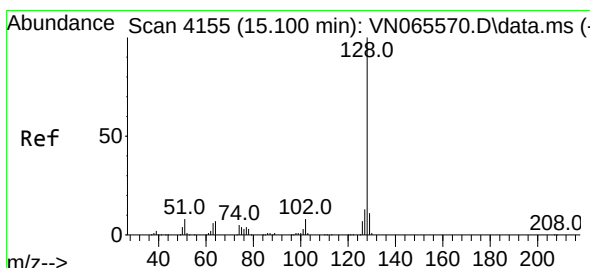
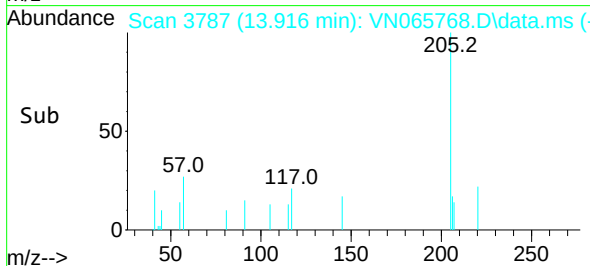
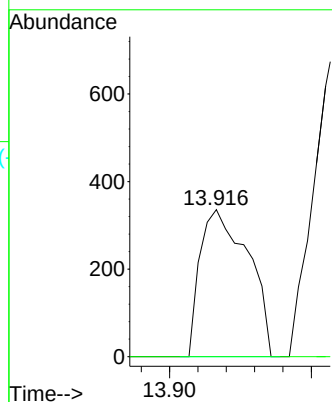
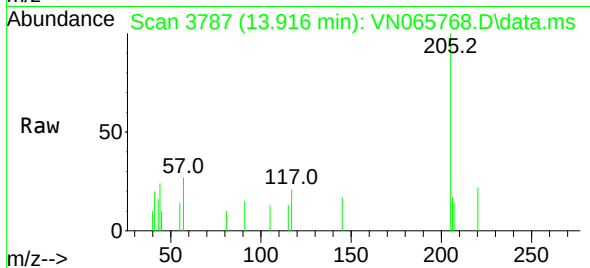




#90
Hexachloroethane
Concen: 0.29 ug/l
RT: 13.916 min Scan# 3787
Delta R.T. 0.074 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Instrument :
MSVOA_N
ClientSampled :
R-A

Tgt Ion:117 Resp: 395
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#95
Naphthalene
Concen: 3.87 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.003 min
Lab File: VN065768.D
Acq: 8 Feb 2021 20:32

Tgt Ion:128 Resp: 3047
Ion Ratio Lower Upper
128 100
127 7.1 10.2 15.2#
129 3.0 8.6 13.0#

