

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020921\
 Data File : VN065778.D
 Acq On : 9 Feb 2021 14:20
 Operator : JC/MD
 Sample : M1316-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 14:46:16 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)

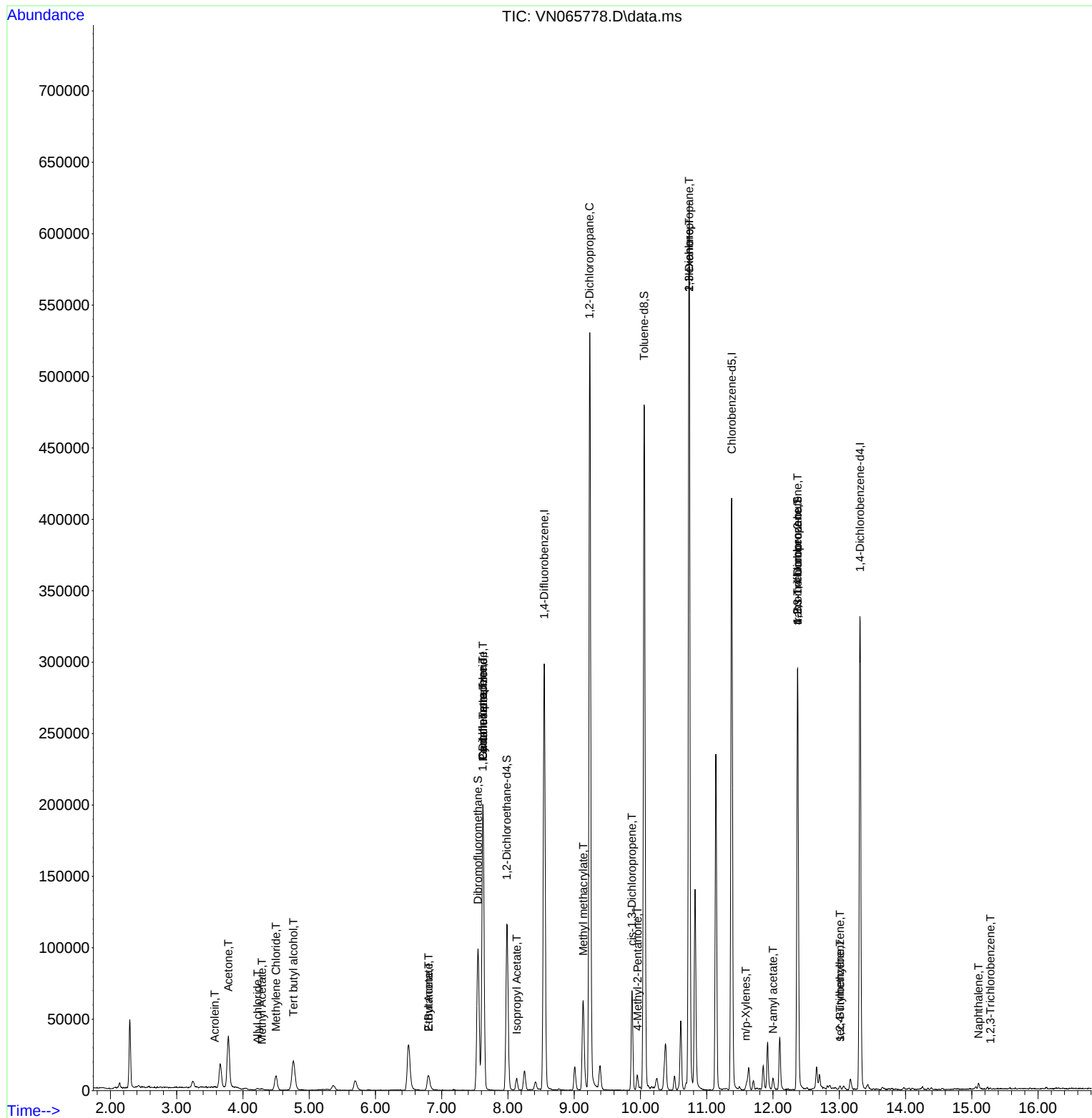
Internal Standards						
1) Pentafluorobenzene	7.624	168	170472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	285488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	255170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	97523	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	96628	43.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.18%		
35) Dibromofluoromethane	7.547	113	81584	48.22	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.44%		
50) Toluene-d8	10.055	98	353653	53.18	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.36%		
62) 4-Bromofluorobenzene	12.370	95	117658	49.13	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.26%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.763	59	40262	95.84	ug/l	99
13) Acrolein	3.573	56	346	18.97	ug/l #	83
14) Allyl chloride	4.222	41	1343	0.35	ug/l #	25
16) Acetone	3.779	43	54852	62.83	ug/l	97
18) Methyl Acetate	4.287	43	1877	0.77	ug/l #	65
20) Methylene Chloride	4.499	84	8203	3.39	ug/l	91
25) 2-Butanone	6.801	43	16866	12.32	ug/l	95
31) Cyclohexane	7.621	56	2928	0.69	ug/l #	1
36) 1,1-Dichloropropene	7.618	75	12277	4.27	ug/l #	48
37) Ethyl Acetate	6.801	43	16866	6.12	ug/l #	68
38) Carbon Tetrachloride	7.621	117	15463	6.54	ug/l #	17
43) Isopropyl Acetate	8.132	43	9798	2.00	ug/l #	92
45) 1,2-Dichloropropane	9.232	63	593	0.25	ug/l #	44
48) Methyl methacrylate	9.135	41	19221	8.29	ug/l #	30
51) 4-Methyl-2-Pentanone	9.955	43	7595	2.82	ug/l	99
54) cis-1,3-Dichloropropene	9.872	75	13842	3.73	ug/l #	57
57) 1,3-Dichloropropane	10.733	76	6488	1.86	ug/l #	43
59) 2-Hexanone	10.733	43	88503	47.32	ug/l #	55
68) m/p-Xylenes	11.592	106	776	0.21	ug/l	93
74) N-amyl acetate	12.000	43	5334	1.48	ug/l #	48
76) 1,2,3-Trichloropropane	12.370	75	54123	21.22	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.370	75	54123	54.36	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.013	105	2277	0.31	ug/l	88
85) sec-Butylbenzene	13.013	105	2277	0.28	ug/l #	56
95) Naphthalene	15.103	128	4542	4.12	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.283	180	287	2.98	ug/l #	78

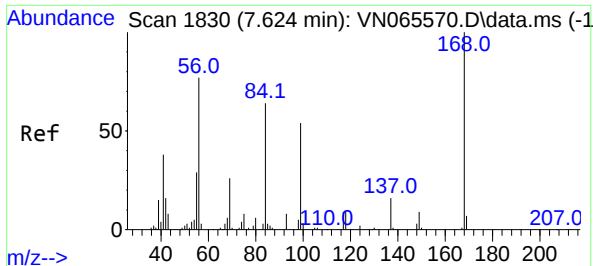
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

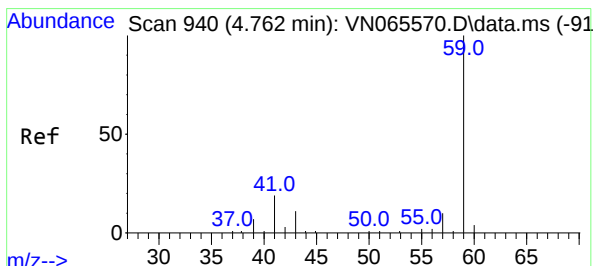
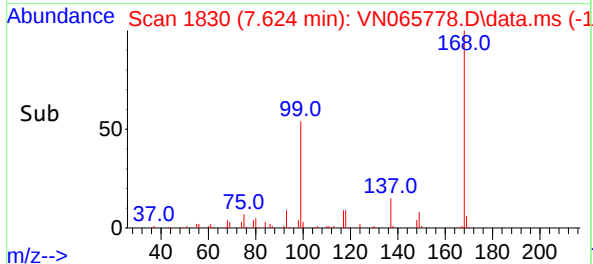
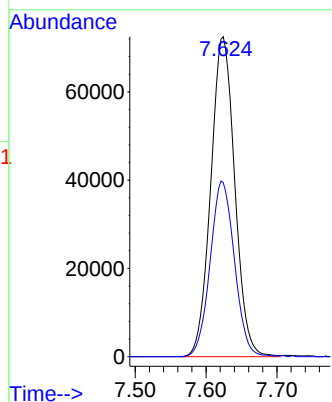
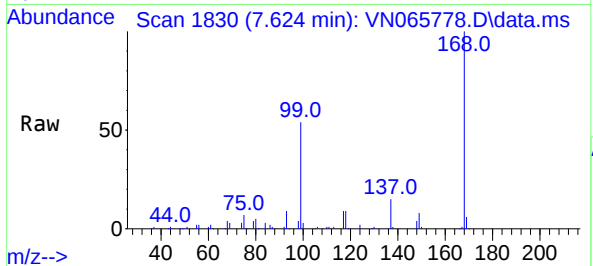




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

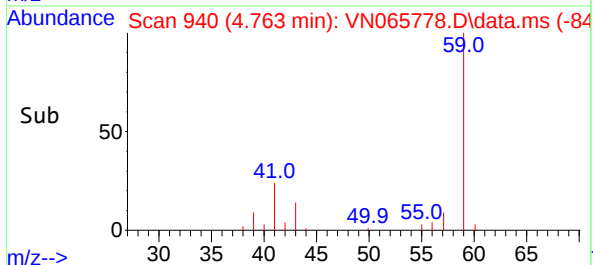
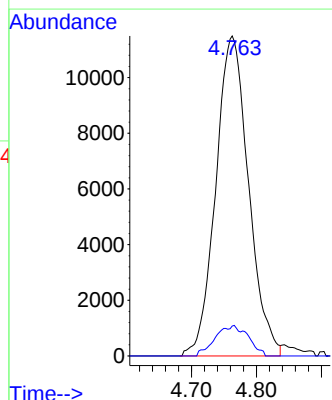
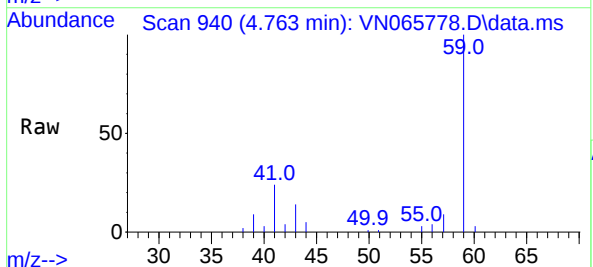
Instrument :
MSVOA_N
ClientSampled :

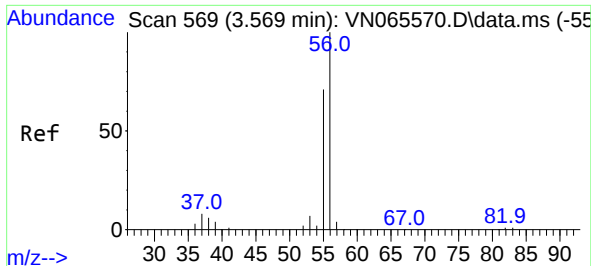
Tgt Ion:168 Resp: 170472
Ion Ratio Lower Upper
168 100
99 54.4 42.6 63.8



#11
Tert butyl alcohol
Concen: 95.84 ug/l
RT: 4.763 min Scan# 940
Delta R.T. 0.001 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 59 Resp: 40262
Ion Ratio Lower Upper
59 100
57 9.6 8.0 12.0

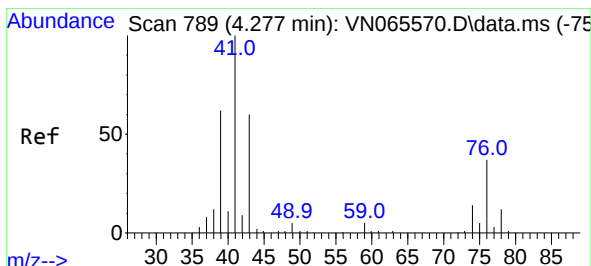
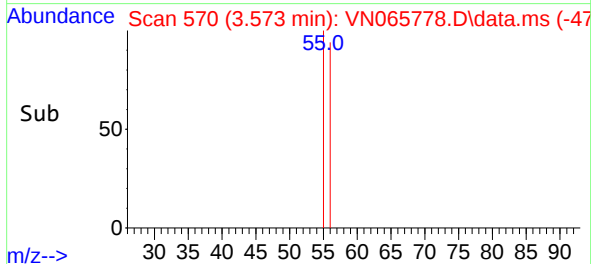
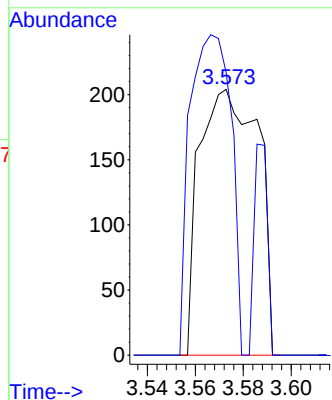
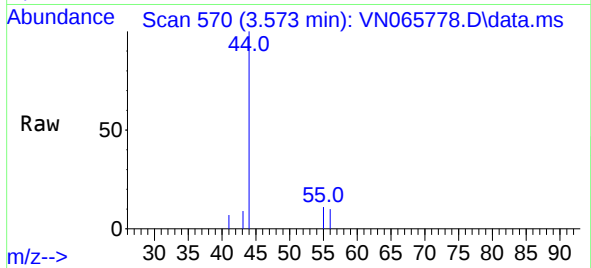




#13
Acrolein
Concen: 18.97 ug/l
RT: 3.573 min Scan# 570
Delta R.T. 0.004 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

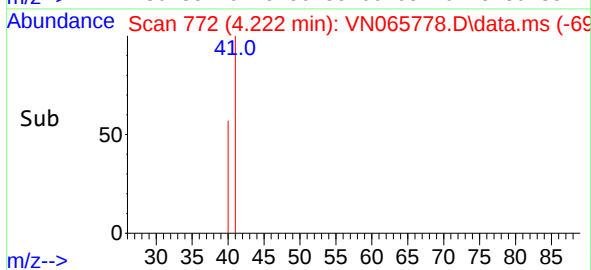
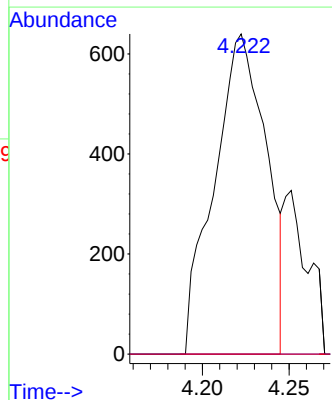
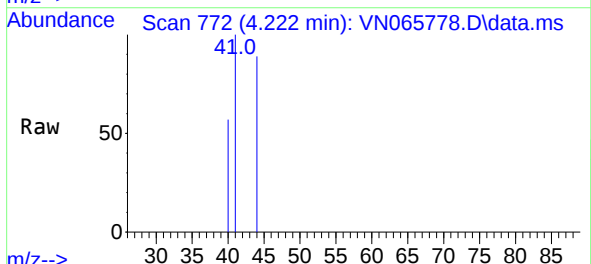
Instrument :
MSVOA_N
ClientSampled :

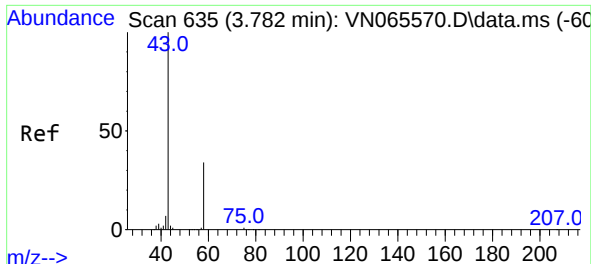
Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 84.1 56.0 84.0#



#14
Allyl chloride
Concen: 0.35 ug/l
RT: 4.222 min Scan# 772
Delta R.T. -0.055 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 41 Resp: 1343
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.4#
76 0.0 28.9 43.3#

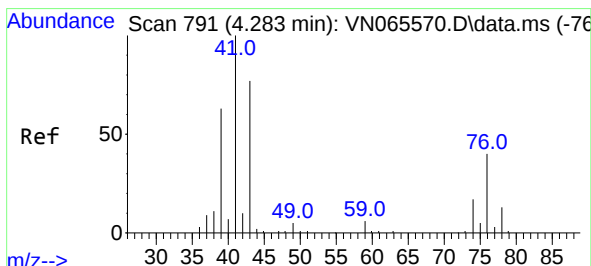
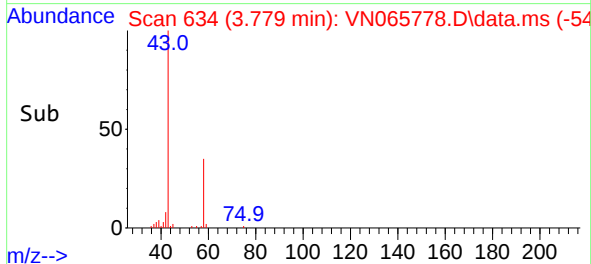
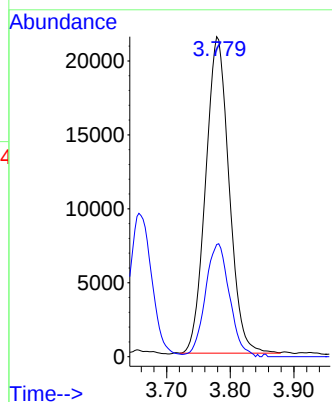
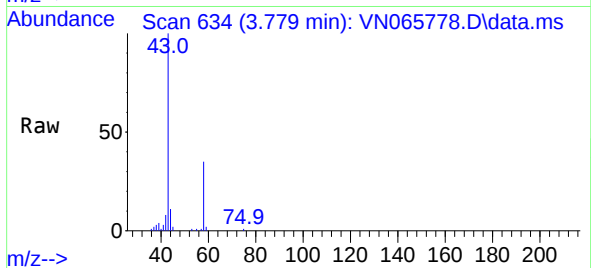




#16
Acetone
Concen: 62.83 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

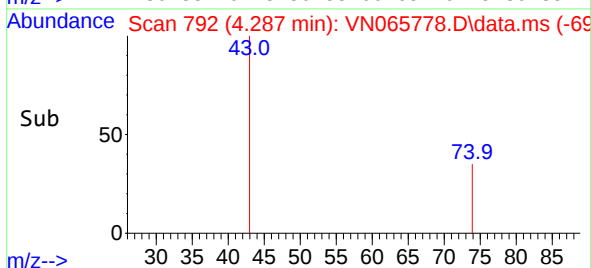
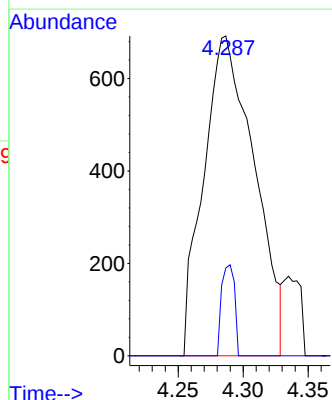
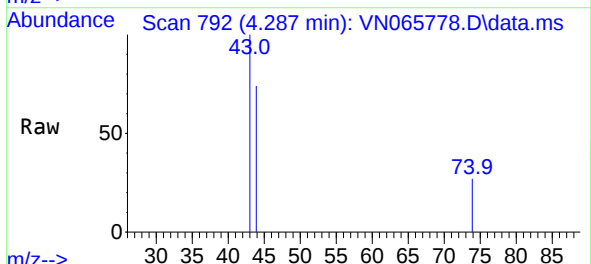
Instrument :
MSVOA_N
ClientSampled :

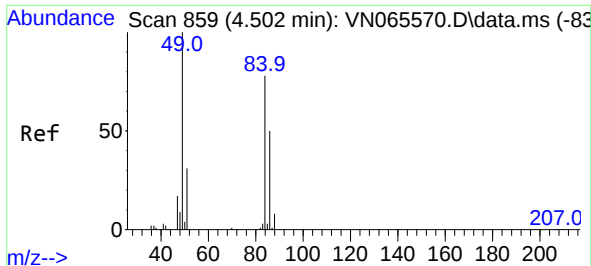
Tgt Ion: 43 Resp: 54852
Ion Ratio Lower Upper
43 100
58 35.4 27.0 40.6



#18
Methyl Acetate
Concen: 0.77 ug/l
RT: 4.287 min Scan# 792
Delta R.T. 0.004 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
74 7.2 19.5 29.3#



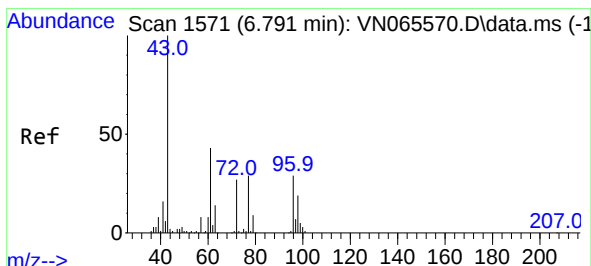
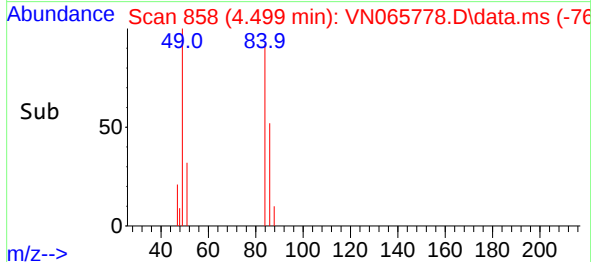
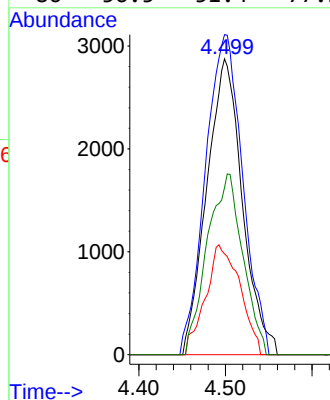
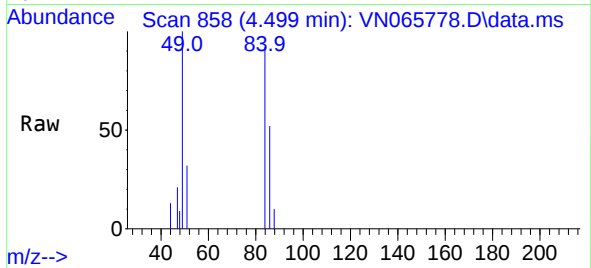


#20
Methylene Chloride
Concen: 3.39 ug/l
RT: 4.499 min Scan# 858
Delta R.T. -0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 8203

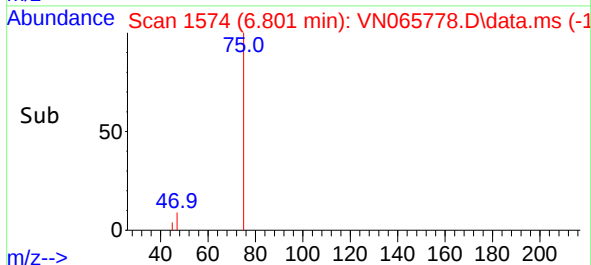
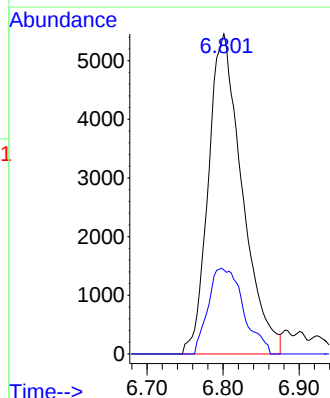
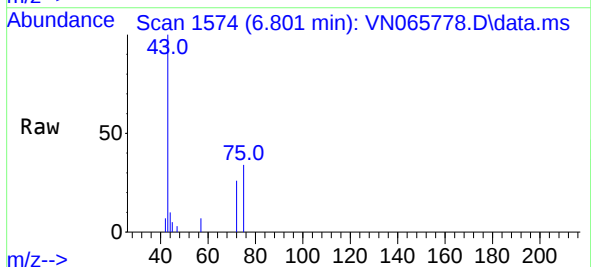
Ion	Ratio	Lower	Upper
84	100		
49	108.2	94.6	141.8
51	34.1	29.9	44.9
86	56.5	51.4	77.2

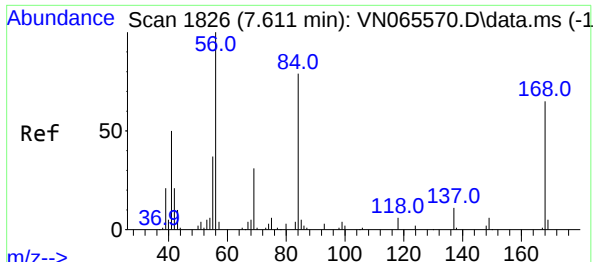


#25
2-Butanone
Concen: 12.32 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. 0.010 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 43 Resp: 16866

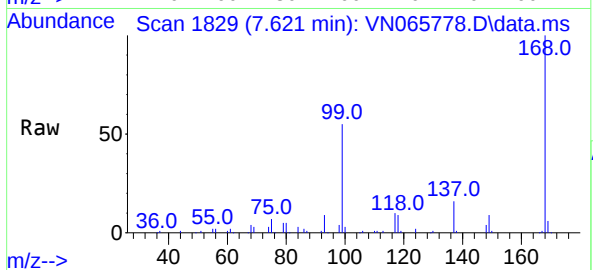
Ion	Ratio	Lower	Upper
43	100		
72	26.3	23.1	34.7



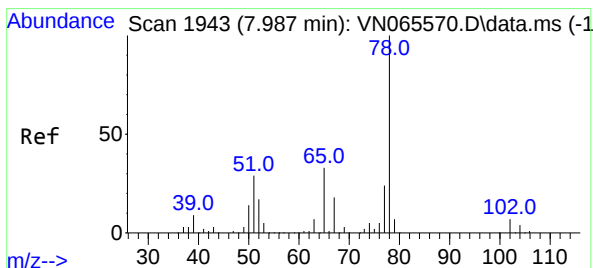
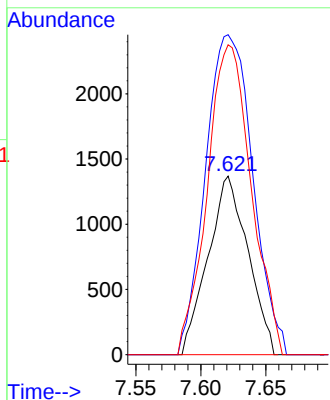
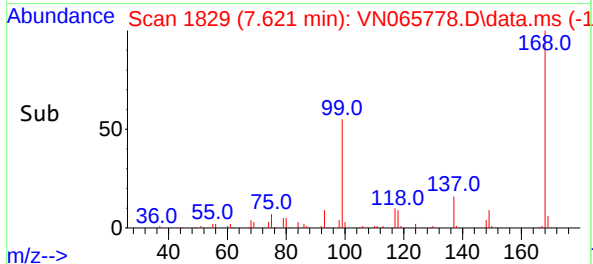


#31
Cyclohexane
Concen: 0.69 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

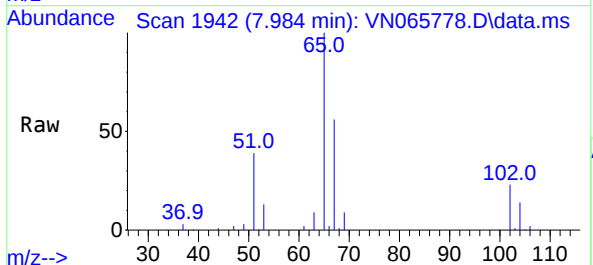
Instrument :
MSVOA_N
ClientSampled :



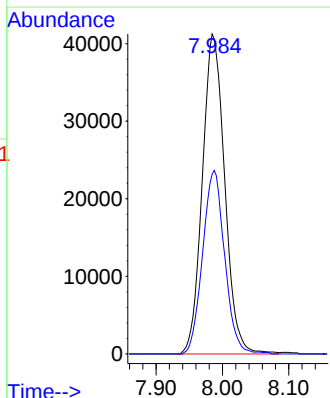
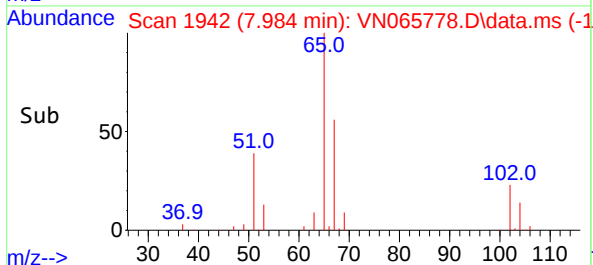
Tgt Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
69 179.3 26.6 39.8#
84 173.6 70.4 105.6#

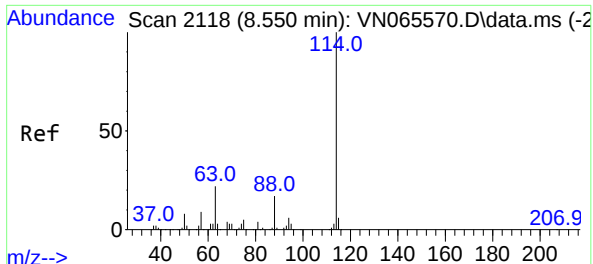


#33
1,2-Dichloroethane-d4
Concen: 43.09 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20



Tgt Ion: 65 Resp: 96628
Ion Ratio Lower Upper
65 100
67 56.5 0.0 107.2



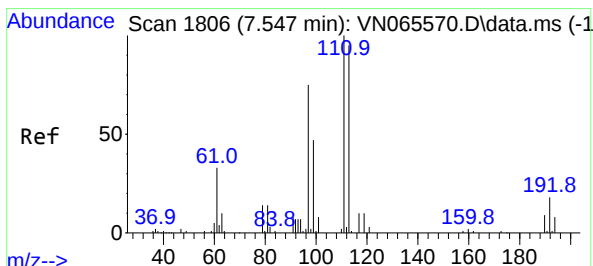
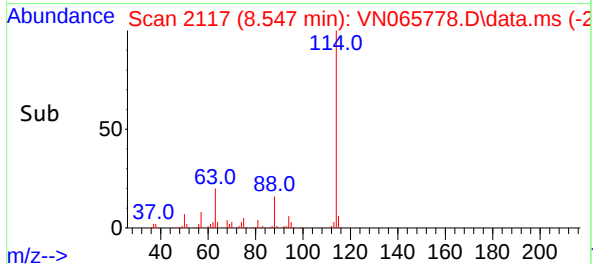
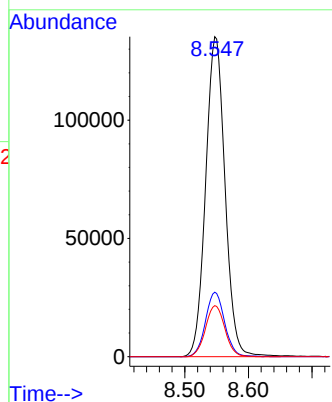
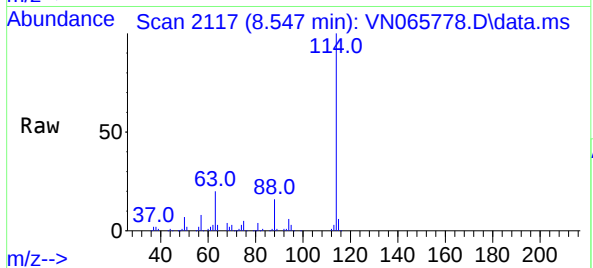


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Instrument :
MSVOA_N
ClientSampleId :

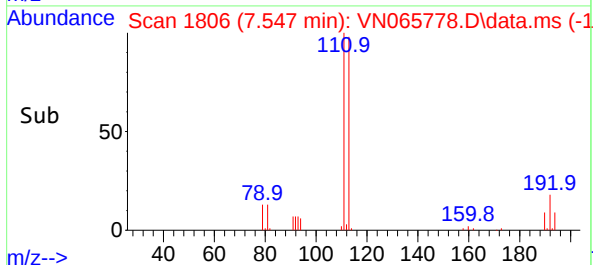
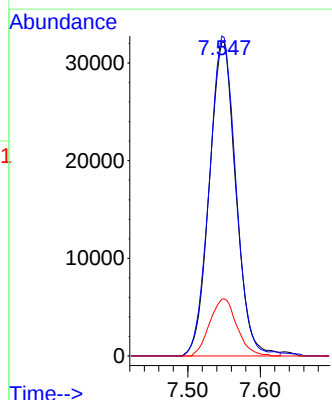
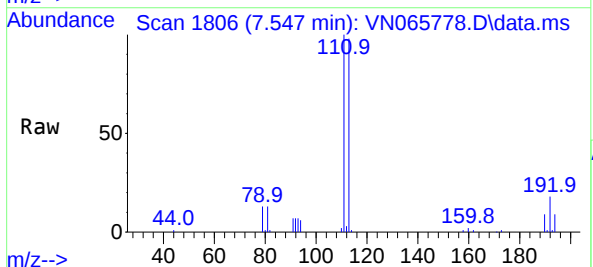
Tgt Ion:114 Resp: 285488
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 15.9 0.0 30.6

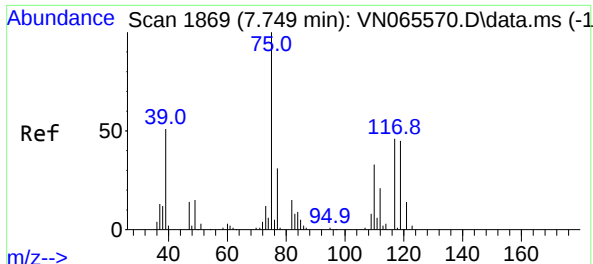


#35

Dibromofluoromethane
Concen: 48.22 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion:113 Resp: 81584
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 18.7 15.4 23.0

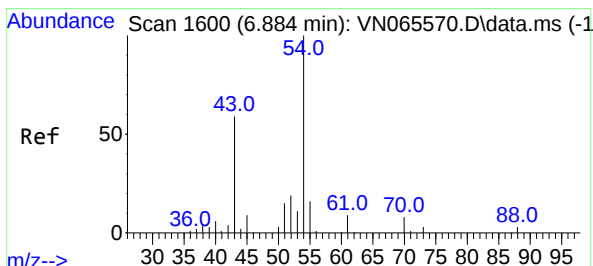
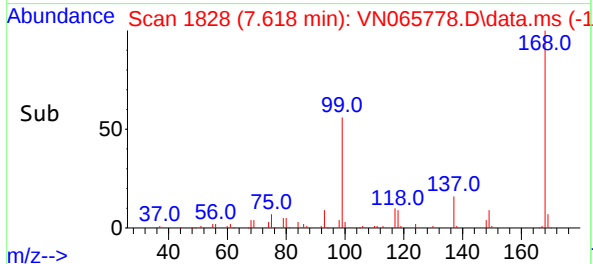
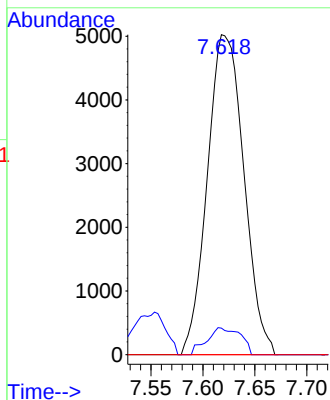
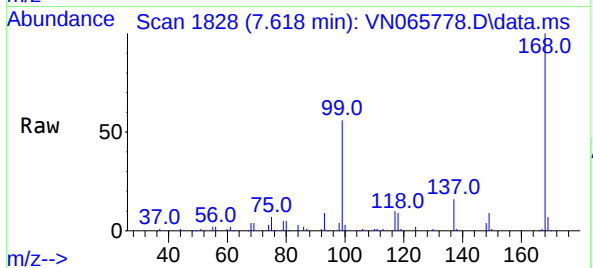




#36
1,1-Dichloropropene
Concen: 4.27 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. -0.131 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

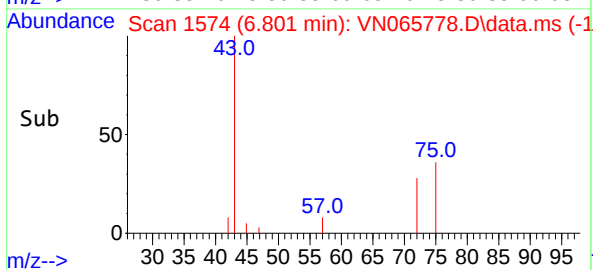
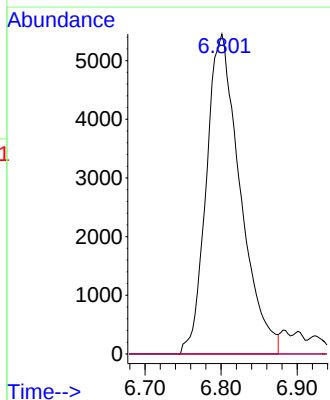
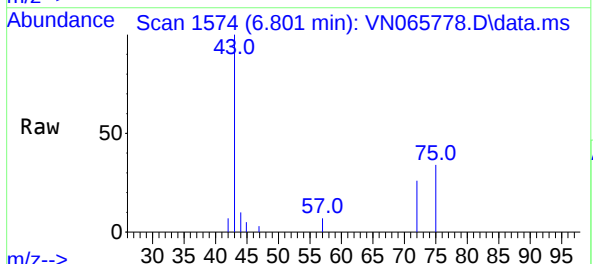
Instrument :
MSVOA_N
ClientSampled :

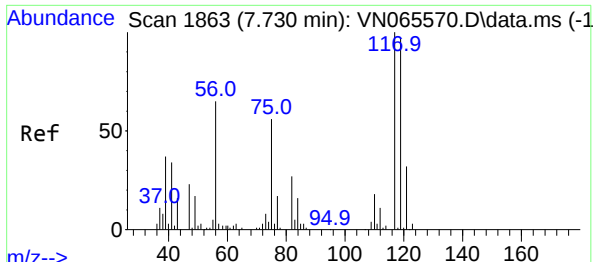
Tgt Ion: 75 Resp: 12277
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 6.12 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. -0.083 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

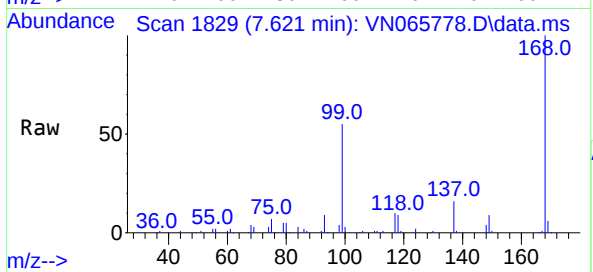
Tgt Ion: 43 Resp: 16866
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



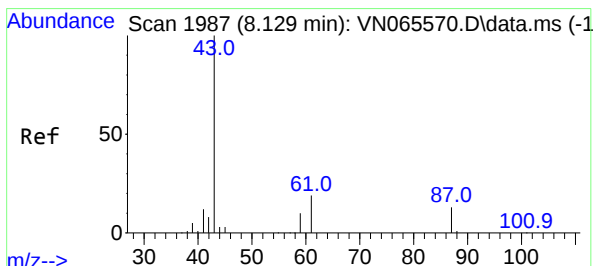
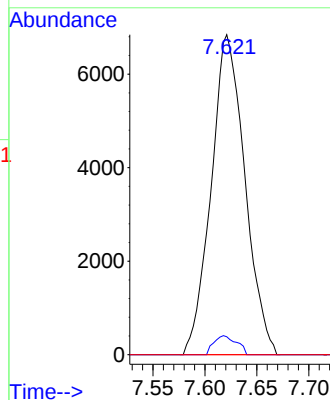
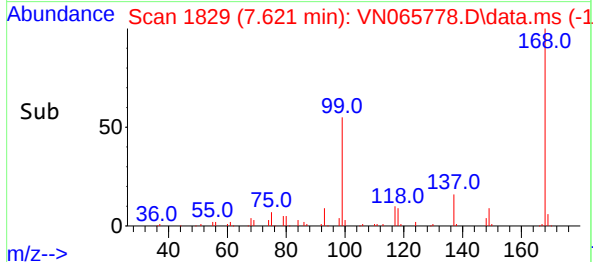


#38
Carbon Tetrachloride
Concen: 6.54 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

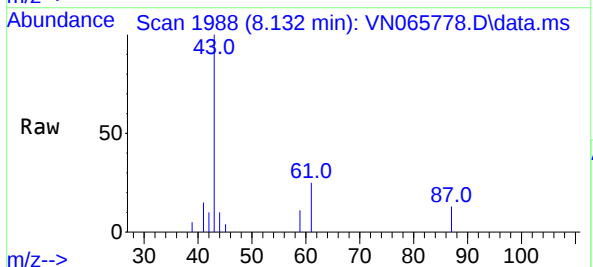
Instrument :
MSVOA_N
ClientSampled :



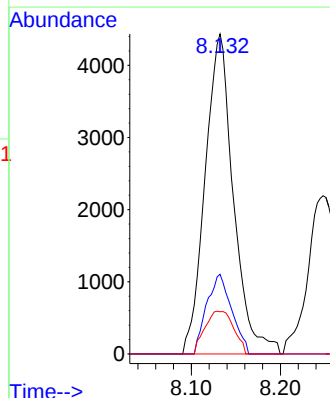
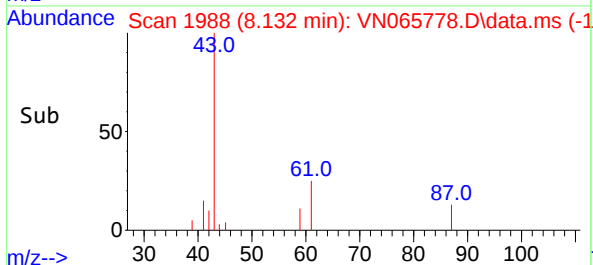
Tgt Ion:117 Resp: 15463
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#

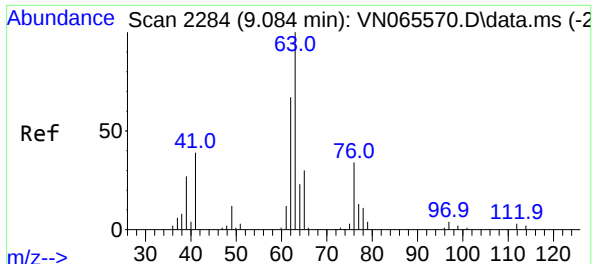


#43
Isopropyl Acetate
Concen: 2.00 ug/l
RT: 8.132 min Scan# 1988
Delta R.T. 0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20



Tgt Ion: 43 Resp: 9798
Ion Ratio Lower Upper
43 100
61 22.0 22.5 33.7#
87 13.6 11.1 16.7

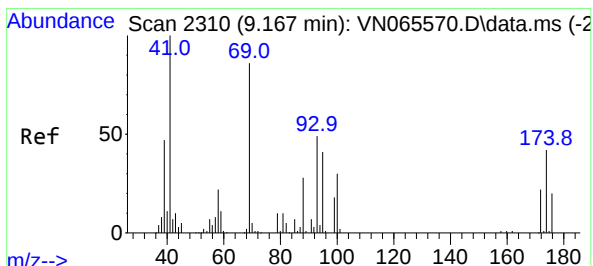
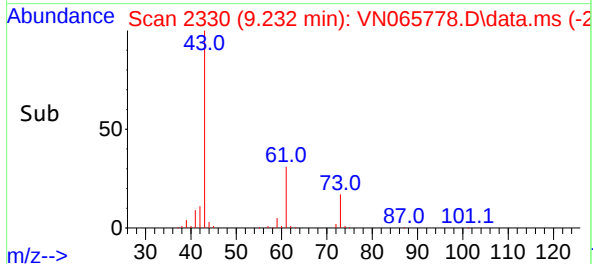
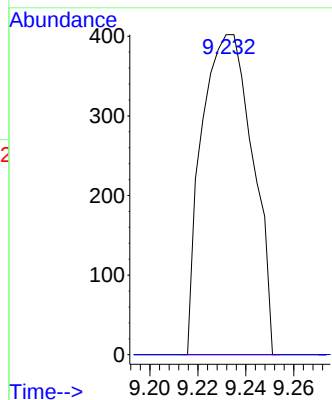
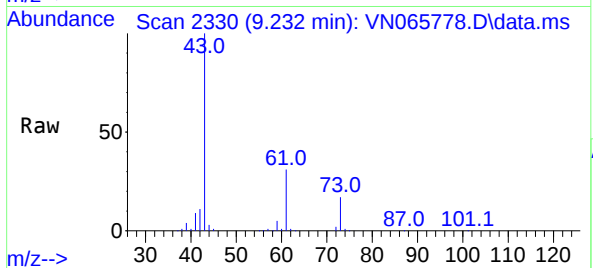




#45
1,2-Dichloropropane
Concen: 0.25 ug/l
RT: 9.232 min Scan# 2330
Delta R.T. 0.148 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

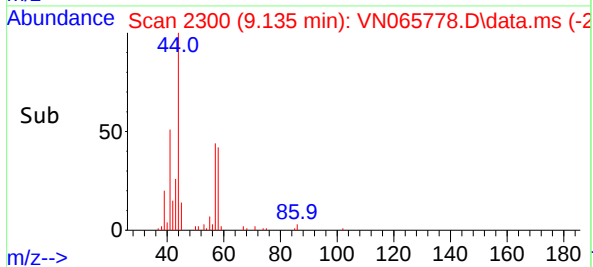
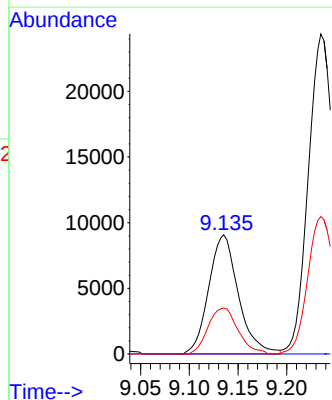
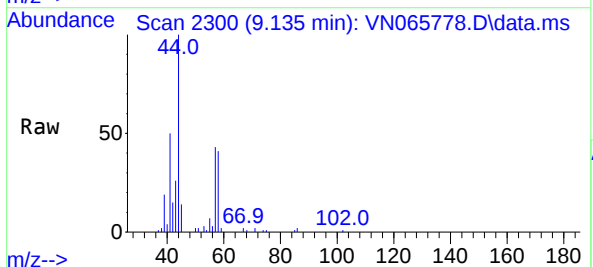
Instrument :
MSVOA_N
ClientSampled :

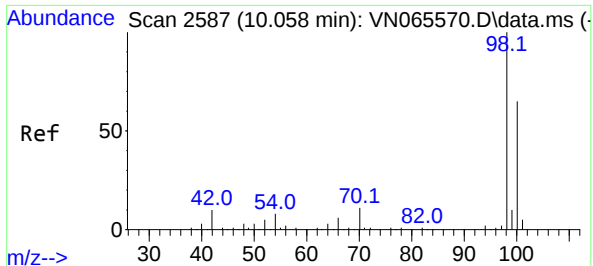
Tgt Ion: 63 Resp: 593
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 8.29 ug/l
RT: 9.135 min Scan# 2300
Delta R.T. -0.032 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 41 Resp: 19221
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 38.8 46.6 69.8#

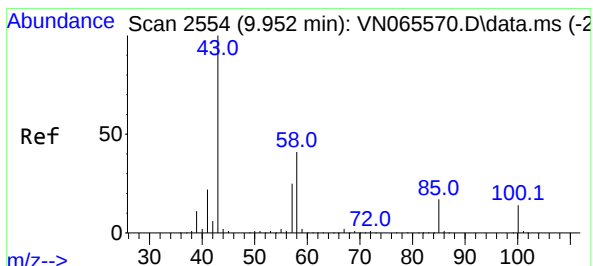
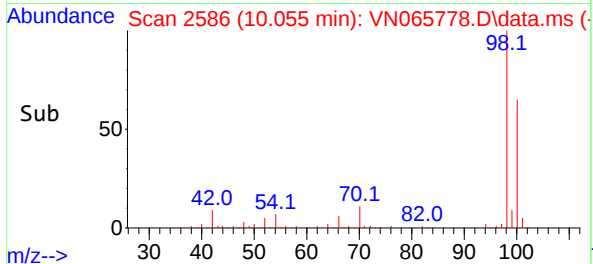
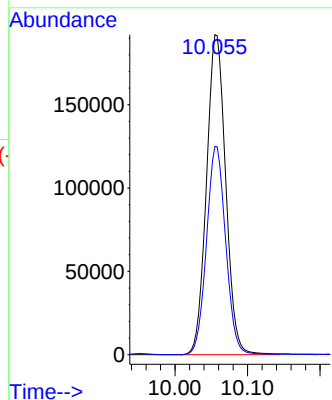
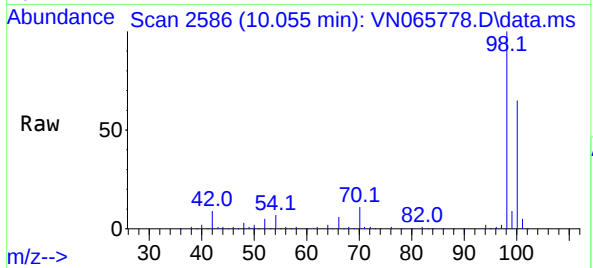




#50
Toluene-d8
Concen: 53.18 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

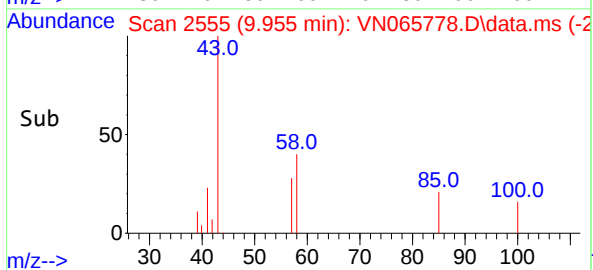
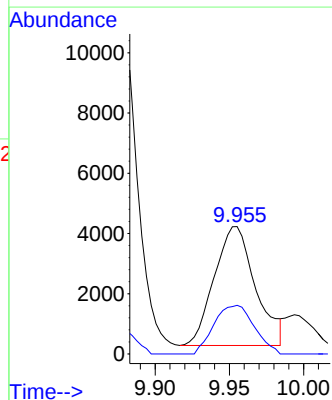
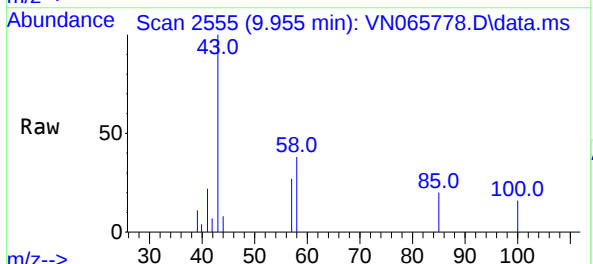
Instrument :
MSVOA_N
ClientSampled :

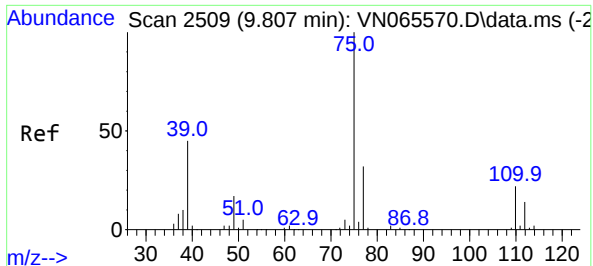
Tgt Ion: 98 Resp: 353653
Ion Ratio Lower Upper
98 100
100 65.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 2.82 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 43 Resp: 7595
Ion Ratio Lower Upper
43 100
58 40.1 32.5 48.7

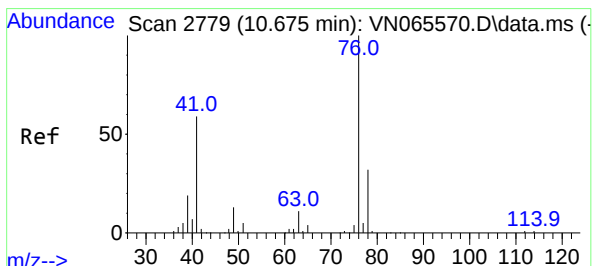
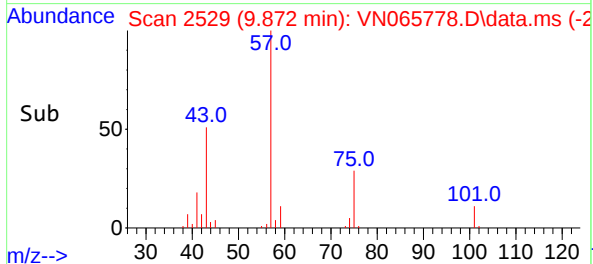
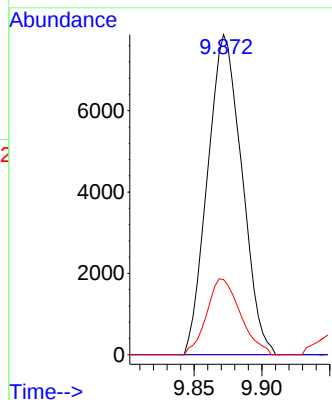
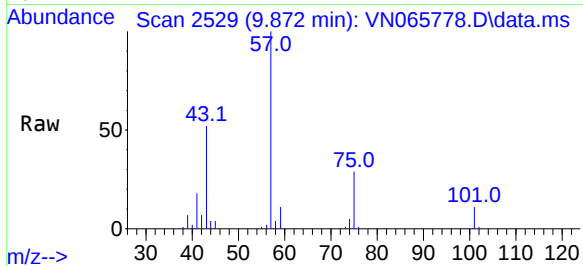




#54
 cis-1,3-Dichloropropene
 Concen: 3.73 ug/l
 RT: 9.872 min Scan# 2529
 Delta R.T. 0.065 min
 Lab File: VN065778.D
 Acq: 9 Feb 2021 14:20

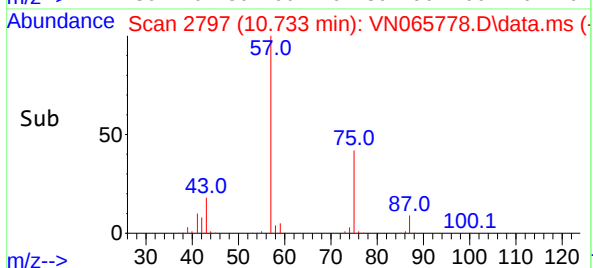
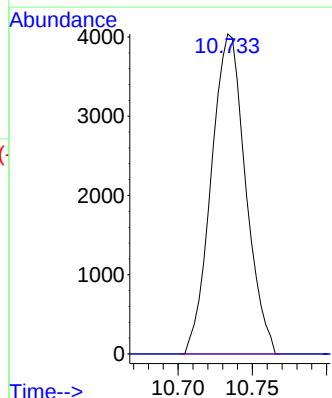
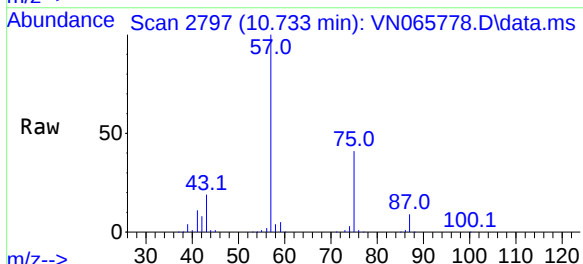
Instrument :
 MSVOA_N
 ClientSampled :

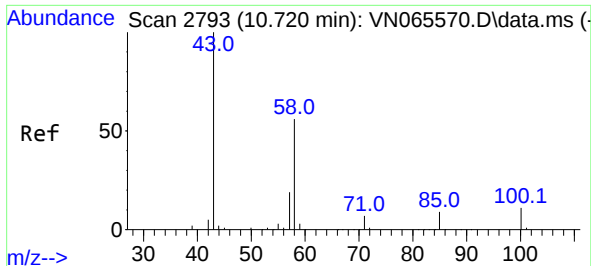
Tgt Ion: 75 Resp: 13842
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 23.5 36.2 54.4#



#57
 1,3-Dichloropropane
 Concen: 1.86 ug/l
 RT: 10.733 min Scan# 2797
 Delta R.T. 0.058 min
 Lab File: VN065778.D
 Acq: 9 Feb 2021 14:20

Tgt Ion: 76 Resp: 6488
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

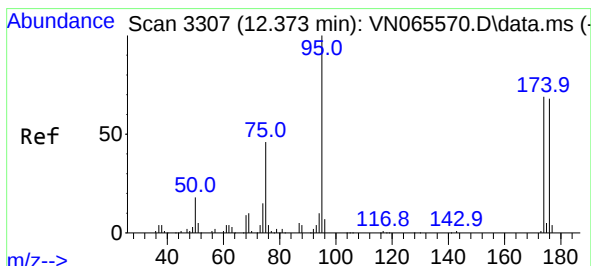
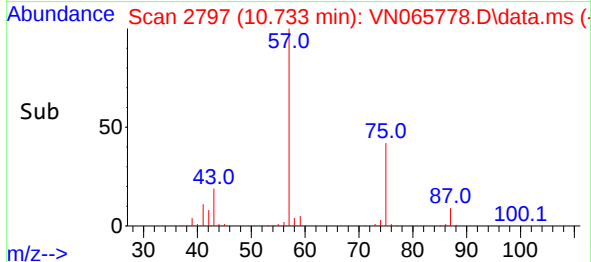
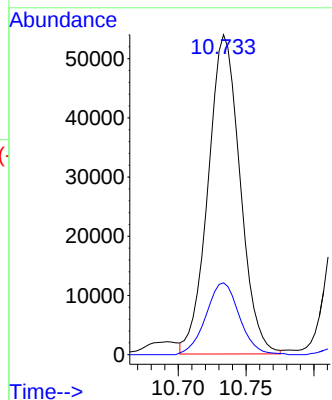
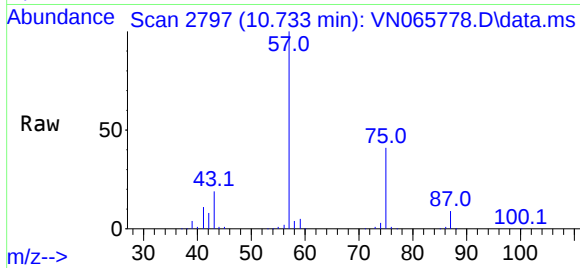




#59
2-Hexanone
Concen: 47.32 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

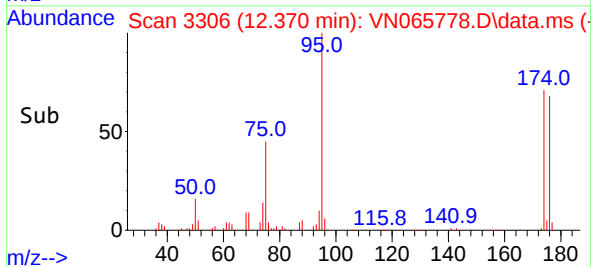
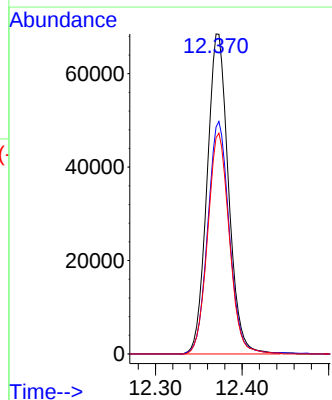
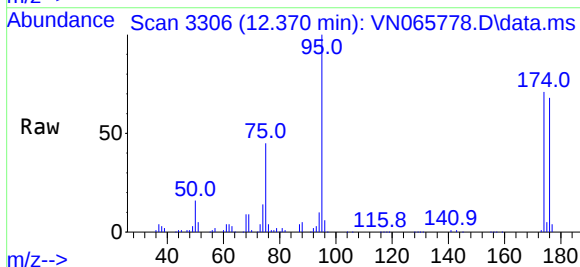
Instrument :
MSVOA_N
ClientSampled :

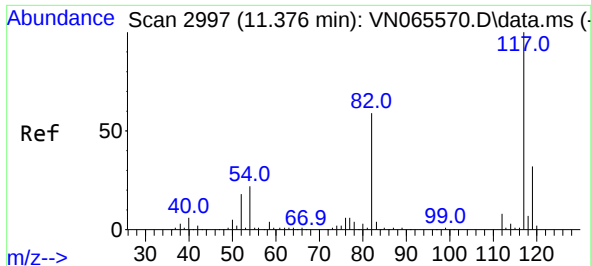
Tgt Ion: 43 Resp: 88503
Ion Ratio Lower Upper
43 100
58 23.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.13 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 95 Resp: 117658
Ion Ratio Lower Upper
95 100
174 73.1 0.0 169.0
176 69.5 0.0 162.4

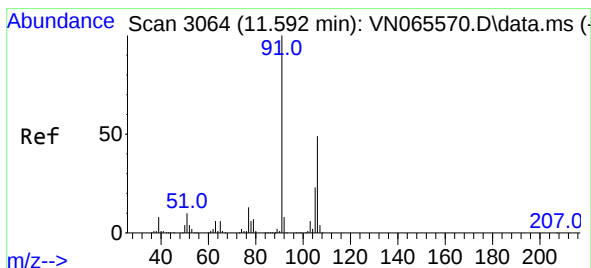
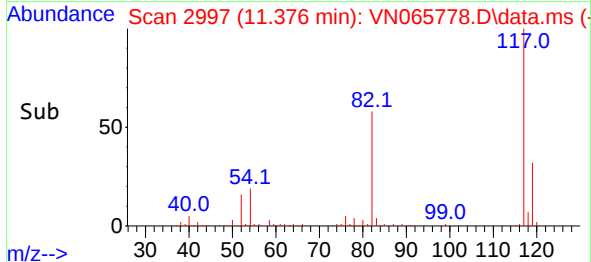
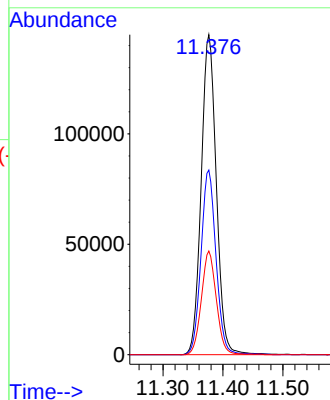
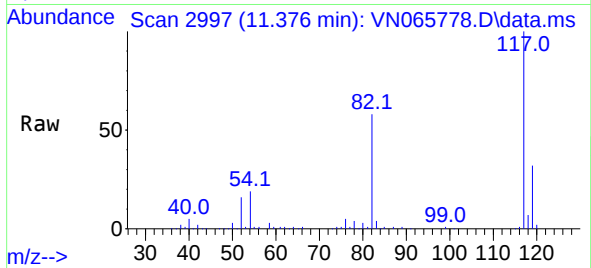




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

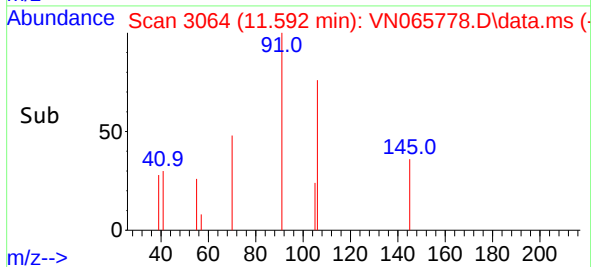
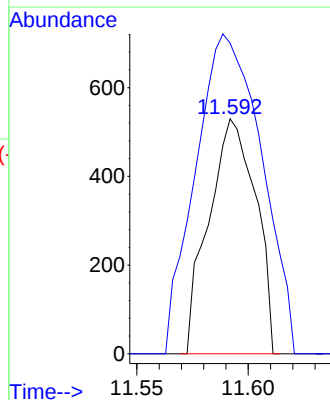
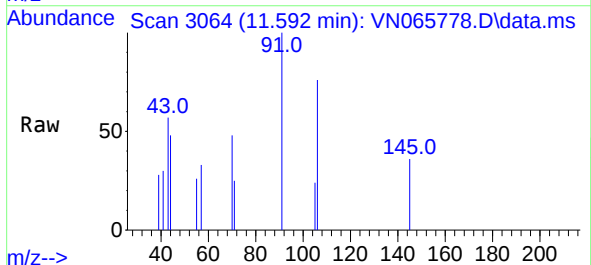
Instrument :
MSVOA_N
ClientSampleId :

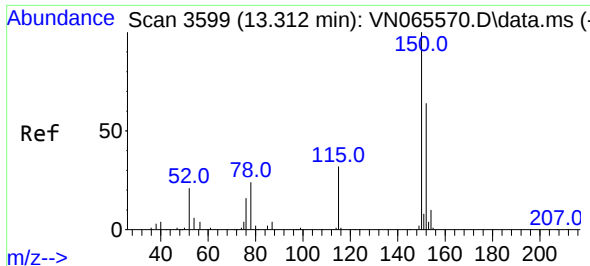
Tgt Ion:117 Resp: 255170
Ion Ratio Lower Upper
117 100
82 57.7 43.7 65.5
119 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion:106 Resp: 776
Ion Ratio Lower Upper
106 100
91 191.5 161.4 242.0

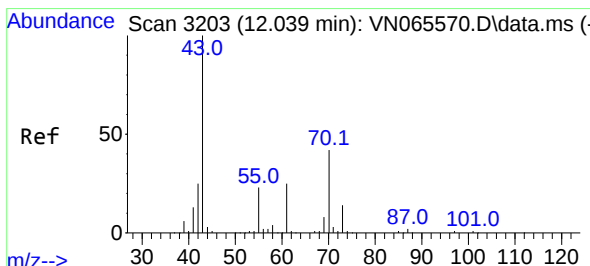
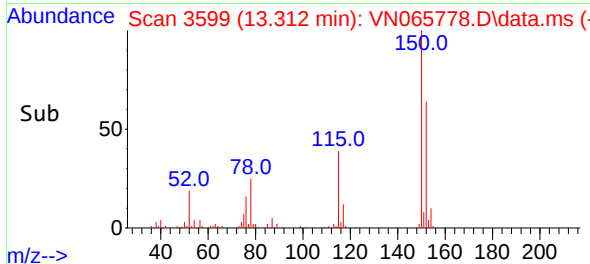
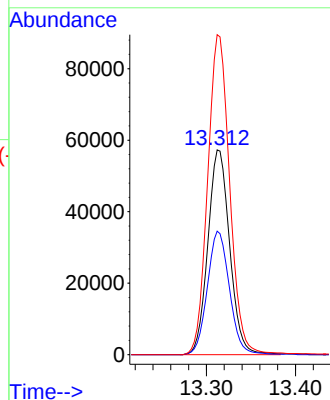
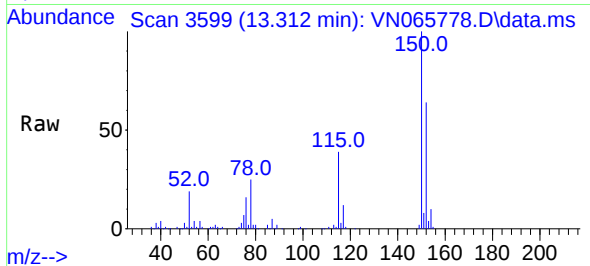




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

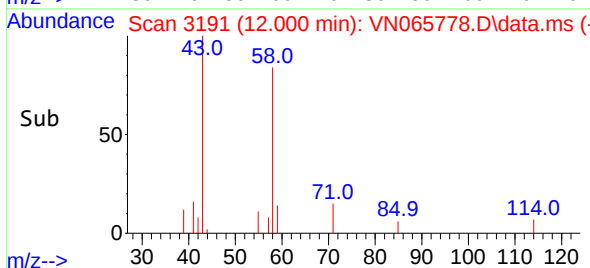
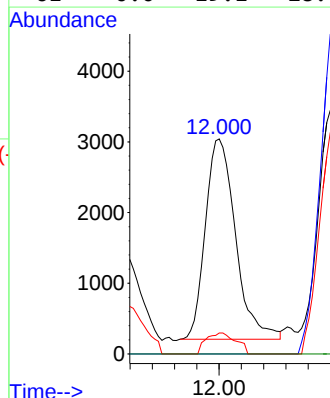
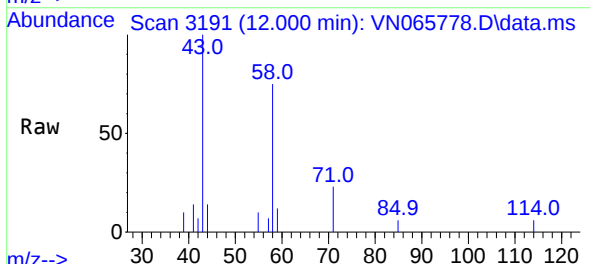
Instrument :
MSVOA_N
ClientSampled :

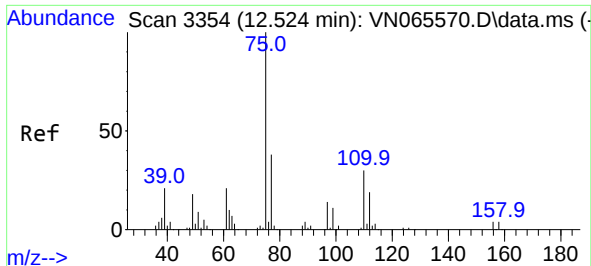
Tgt Ion:152 Resp: 97523
Ion Ratio Lower Upper
152 100
115 61.0 28.5 85.6
150 157.8 0.0 347.6



#74
N-ethyl acetate
Concen: 1.48 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.039 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 43 Resp: 5334
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 10.4 20.7 31.1#
61 0.0 19.1 28.7#

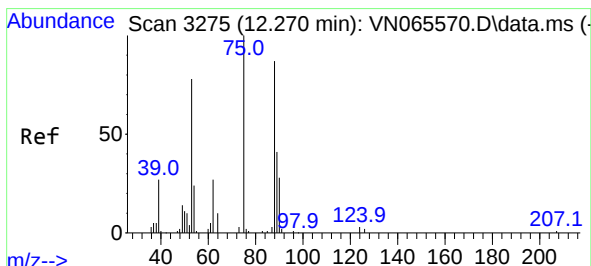
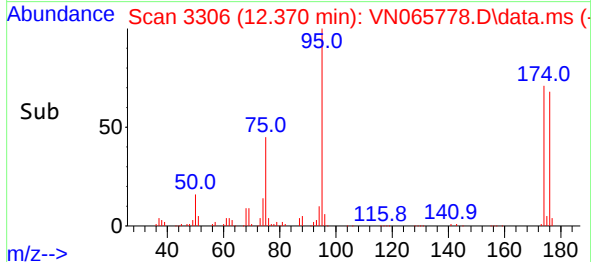
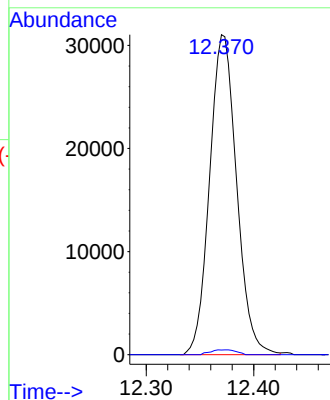
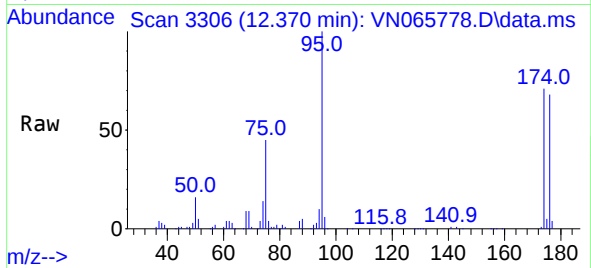




#76
1,2,3-Trichloropropane
Concen: 21.22 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.154 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

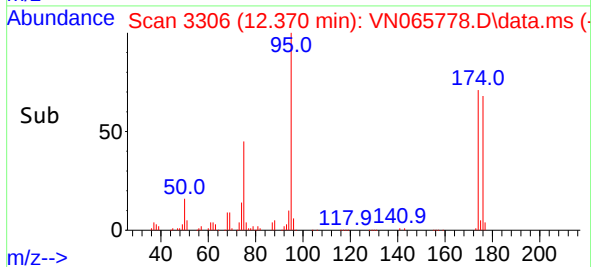
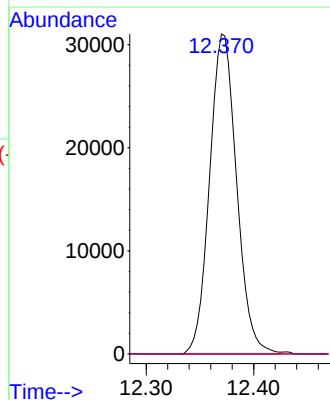
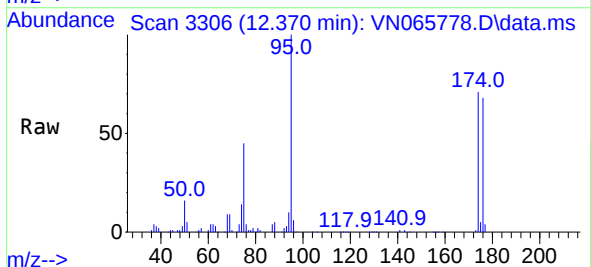
Instrument :
MSVOA_N
ClientSampled :

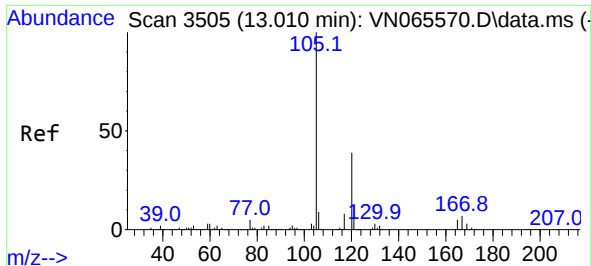
Tgt Ion: 75 Resp: 54123
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.36 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.100 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion: 75 Resp: 54123
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

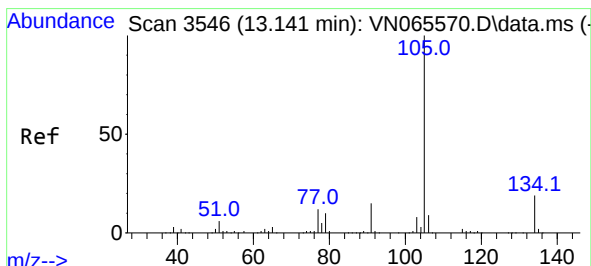
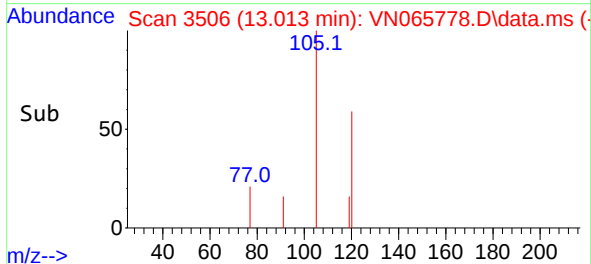
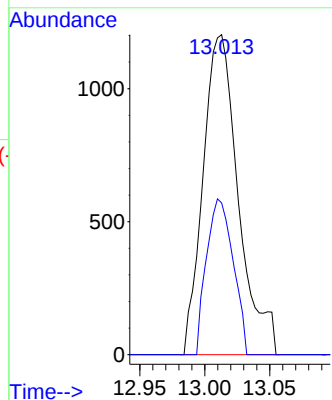
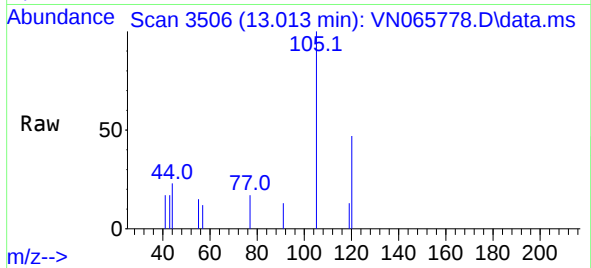




#84
1,2,4-Trimethylbenzene
Concen: 0.31 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

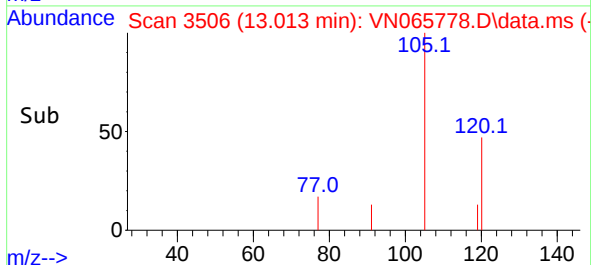
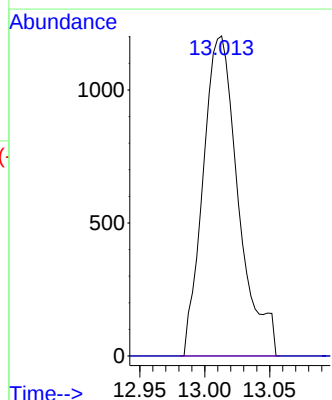
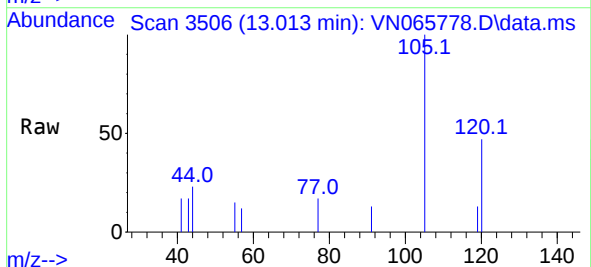
Instrument :
MSVOA_N
ClientSampled :

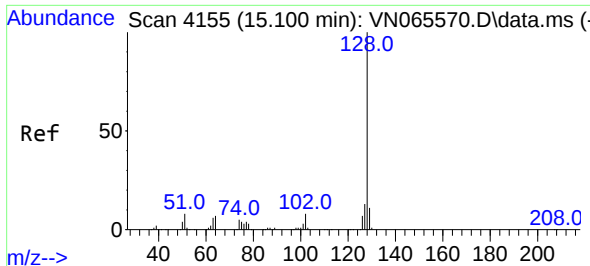
Tgt Ion:105 Resp: 2277
Ion Ratio Lower Upper
105 100
120 36.6 22.4 67.0



#85
sec-Butylbenzene
Concen: 0.28 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. -0.128 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion:105 Resp: 2277
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#

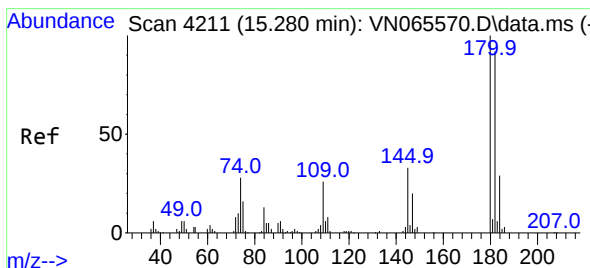
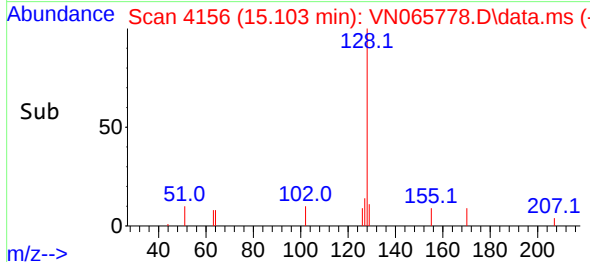
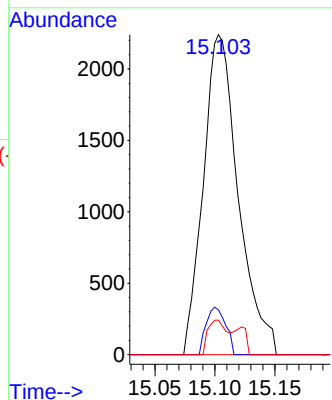
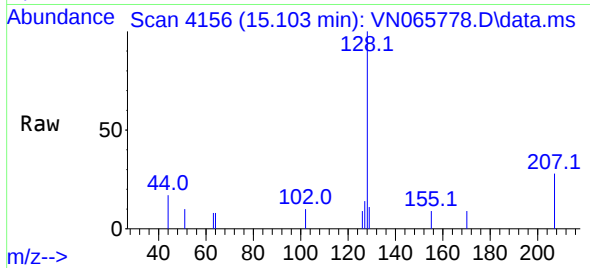




#95
Naphthalene
Concen: 4.12 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 4542
Ion Ratio Lower Upper
128 100
127 8.3 10.2 15.2#
129 5.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.98 ug/l
RT: 15.283 min Scan# 4212
Delta R.T. 0.003 min
Lab File: VN065778.D
Acq: 9 Feb 2021 14:20

Tgt Ion:180 Resp: 287
Ion Ratio Lower Upper
180 100
182 103.5 47.4 142.3
145 0.0 16.5 49.5#

