

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067776.D
 Acq On : 16 Jul 2021 16:34
 Operator : JC/MD
 Sample : M3051-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 17 04:59:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

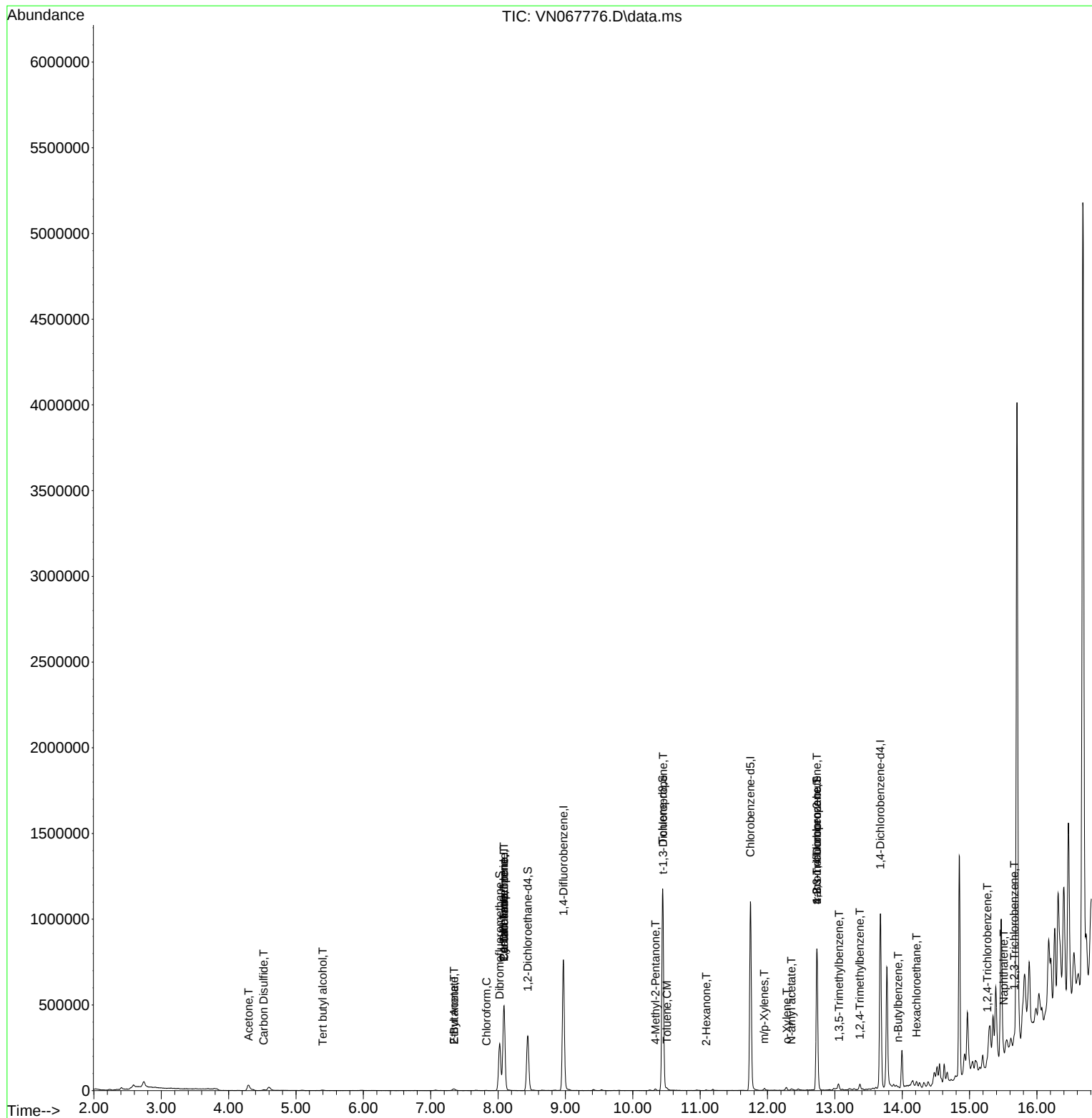
Internal Standards						
1) Pentafluorobenzene	8.088	168	353615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	666866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	624314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	256443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	276885	51.810	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.620%			
35) Dibromofluoromethane	8.024	113	198923	49.372	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.740%			
50) Toluene-d8	10.443	98	821940	48.738	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.480%			
62) 4-Bromofluorobenzene	12.734	95	280537	47.090	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.180%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.853	94	281	Below Cal	#	4
6) Chloroethane	3.068	64	439	Below Cal	#	44
11) Tert butyl alcohol	5.396	59	2325	3.027	ug/l #	85
13) Acrolein	4.041	56	444	Below Cal	#	77
16) Acetone	4.296	43	62290	37.042	ug/l	96
17) Carbon Disulfide	4.521	76	10516	1.207	ug/l	97
20) Methylene Chloride	5.095	84	1642	Below Cal	#	72
25) 2-Butanone	7.345	43	12302	4.406	ug/l	97
30) Chloroform	7.828	83	1658	0.202	ug/l	97
31) Cyclohexane	8.088	56	9724	1.298	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	32725	5.283	ug/l #	47
37) Ethyl Acetate	7.345	43	12302	2.050	ug/l #	70
38) Carbon Tetrachloride	8.088	117	39641	6.488	ug/l #	17
51) 4-Methyl-2-Pentanone	10.339	43	6755	1.041	ug/l	99
52) Toluene	10.508	92	2814	0.232	ug/l	91
53) t-1,3-Dichloropropene	10.451	75	94	1.756	ug/l #	1
59) 2-Hexanone	11.092	43	3230	0.713	ug/l	79
68) m/p-Xylenes	11.953	106	2378	0.269	ug/l	92
69) o-Xylene	12.286	106	2043	0.235	ug/l	94
74) N-amyl acetate	12.355	43	5727	0.763	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	158660	30.296	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.063	105	4841	0.289	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.734	75	158660	97.677	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.372	105	17857	1.087	ug/l	100
89) n-Butylbenzene	13.940	91	3317	0.242	ug/l #	83
90) Hexachloroethane	14.214	117	1005	0.379	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.265	180	427	2.769	ug/l #	6
95) Naphthalene	15.507	128	13656	4.034	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.665	180	2702	3.258	ug/l #	25

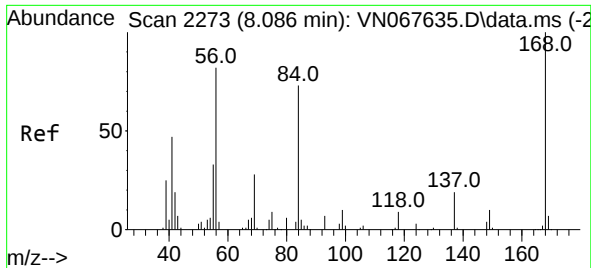
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
Data File : VN067776.D
Acq On : 16 Jul 2021 16:34
Operator : JC/MD
Sample : M3051-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 17 04:59:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

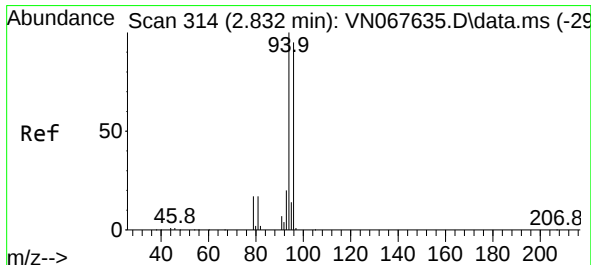
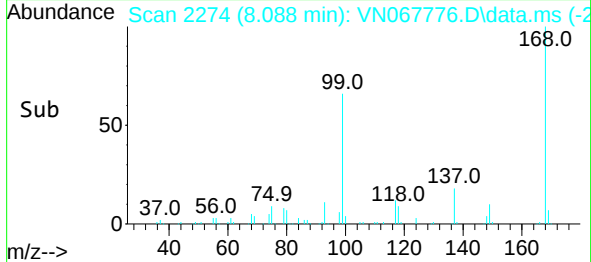
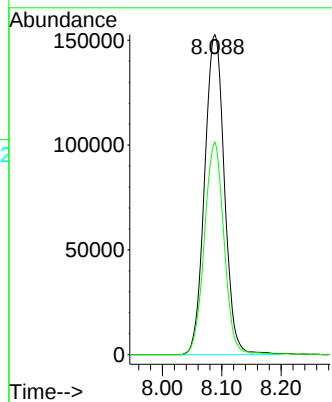
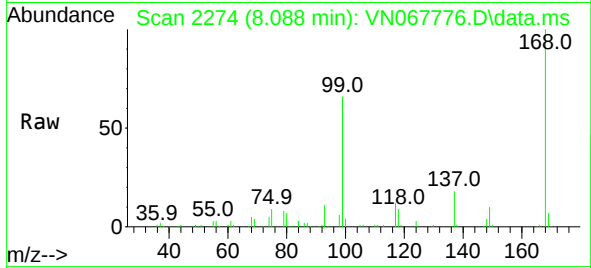




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

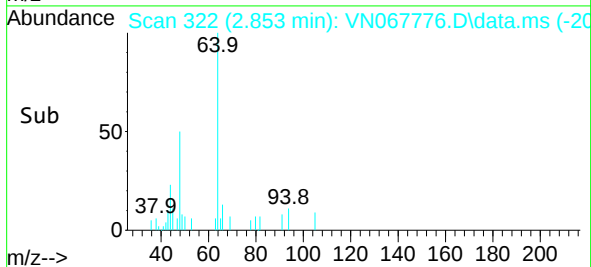
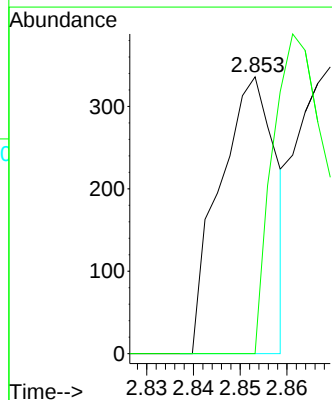
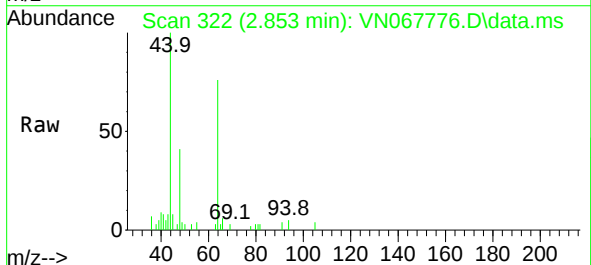
Instrument :
MSVOA_N
ClientSampleId :

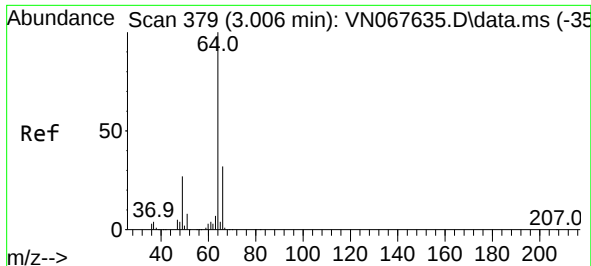
Tgt Ion:168 Resp: 353615
Ion Ratio Lower Upper
168 100
99 66.4 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.853 min Scan# 322
Delta R.T. 0.021 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

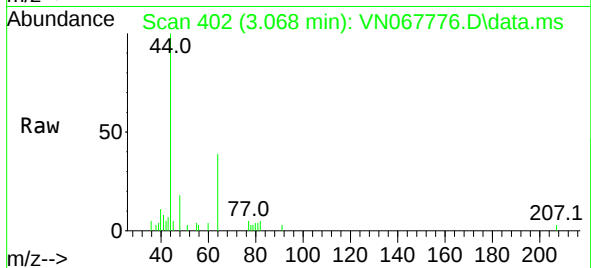
Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



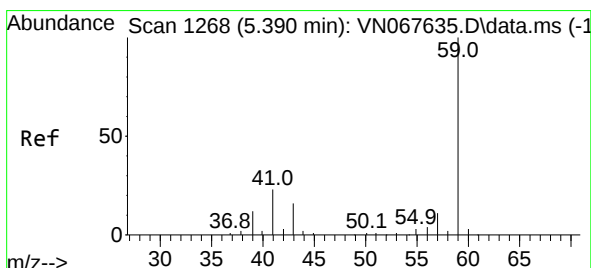
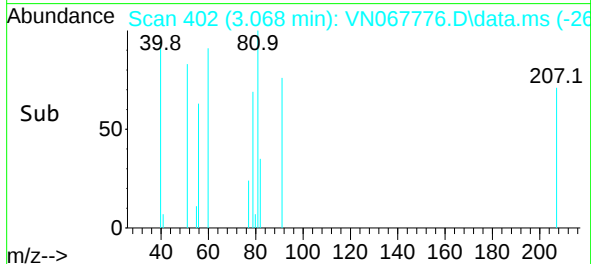
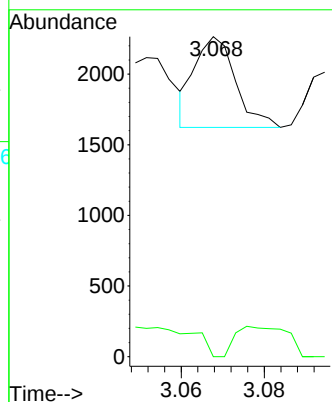


#6
Chloroethane
Concen: Below Cal
RT: 3.068 min Scan# 402
Delta R.T. 0.062 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Instrument :
MSVOA_N
ClientSampled :

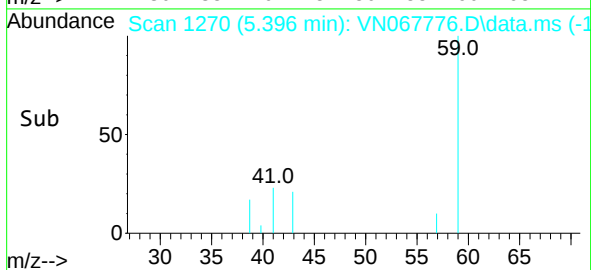
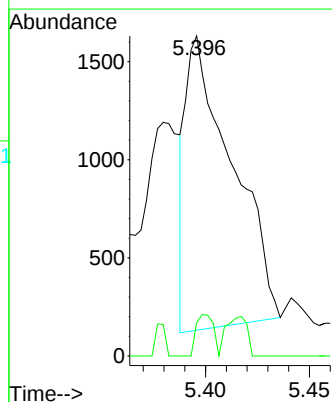
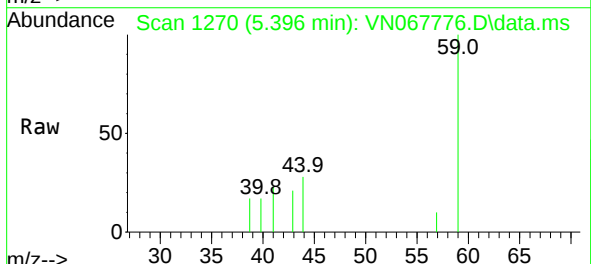


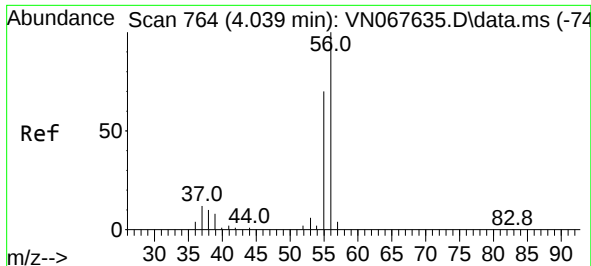
Tgt Ion: 64 Resp: 439
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 3.027 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 59 Resp: 2325
Ion Ratio Lower Upper
59 100
57 5.2 8.7 13.1#

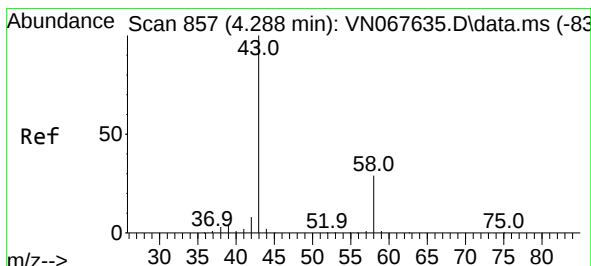
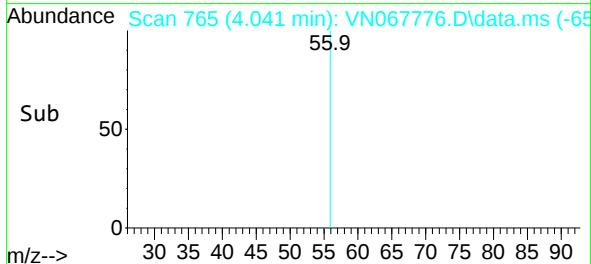
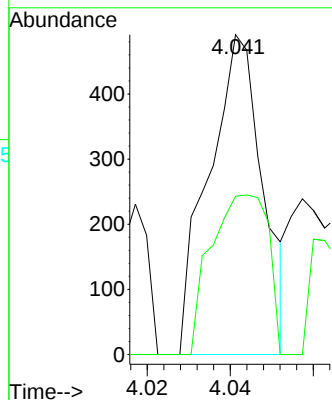
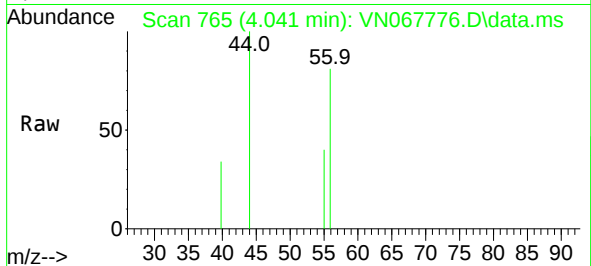




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

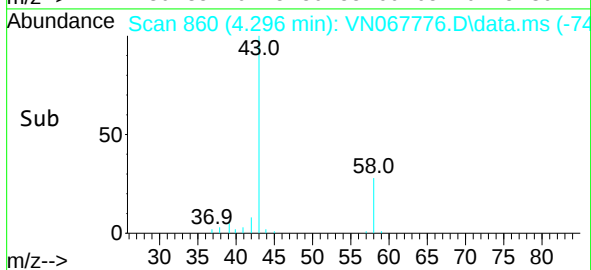
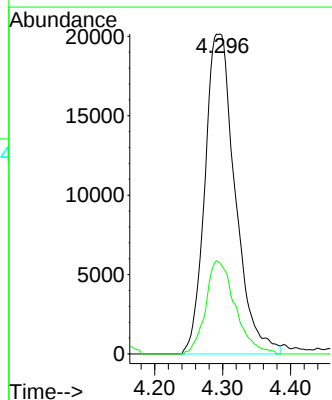
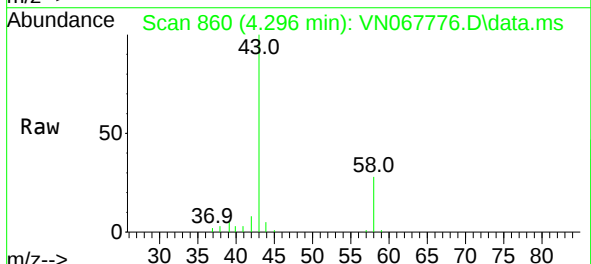
Instrument :
MSVOA_N
ClientSampled :

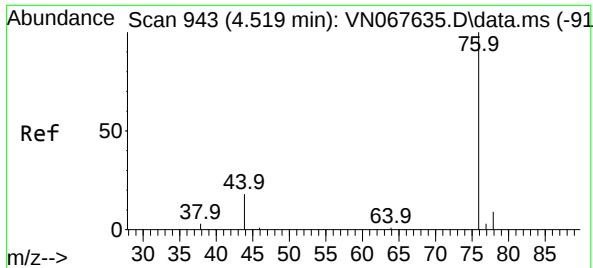
Tgt Ion: 56 Resp: 444
Ion Ratio Lower Upper
56 100
55 52.9 57.4 86.0#



#16
Acetone
Concen: 37.042 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

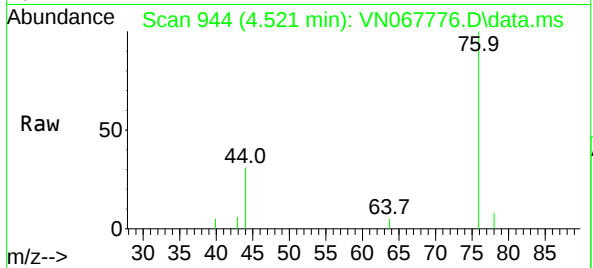
Tgt Ion: 43 Resp: 62290
Ion Ratio Lower Upper
43 100
58 28.4 21.2 31.8



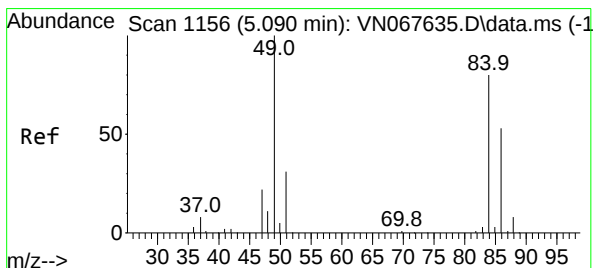
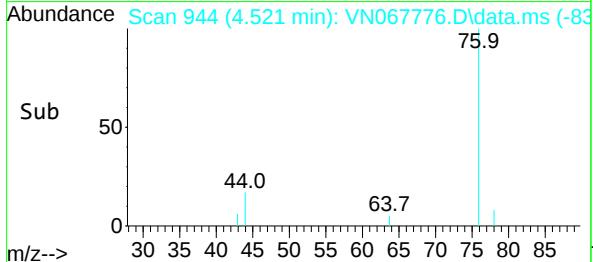
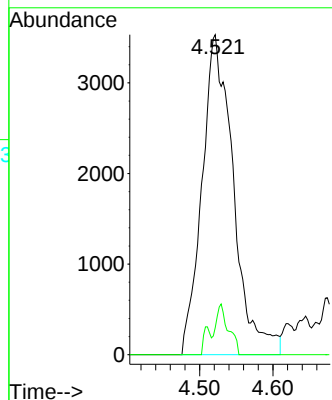


#17
Carbon Disulfide
Concen: 1.207 ug/l
RT: 4.521 min Scan# 944
Delta R.T. 0.002 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Instrument :
MSVOA_N
ClientSampled :

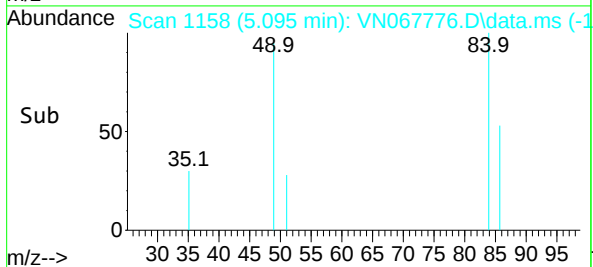
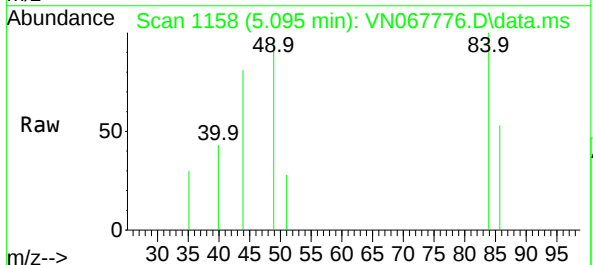
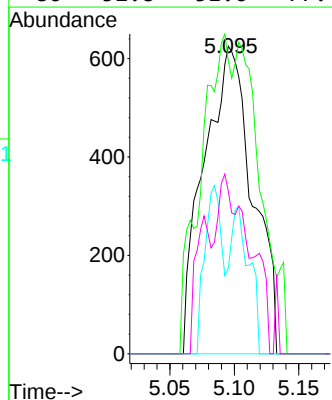


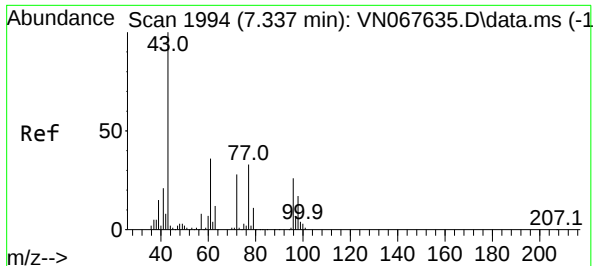
Tgt Ion: 76 Resp: 10516
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5



#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.005 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 84 Resp: 1642
Ion Ratio Lower Upper
84 100
49 95.2 110.9 166.3#
51 27.8 32.6 49.0#
86 52.8 51.6 77.4

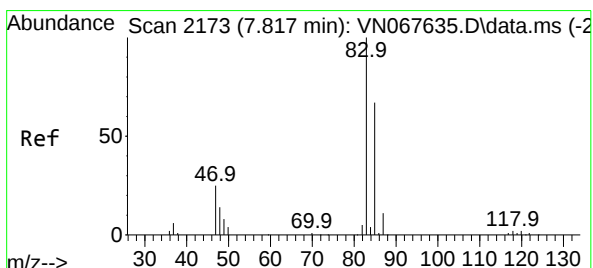
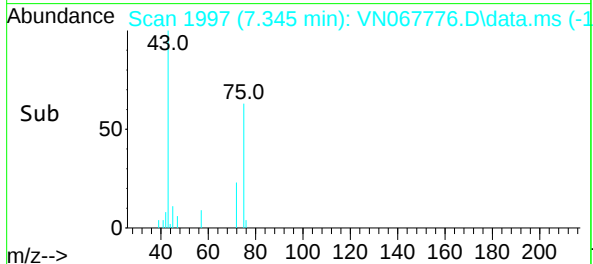
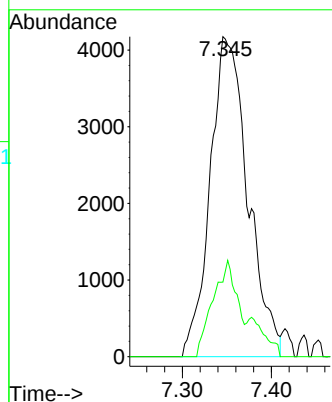
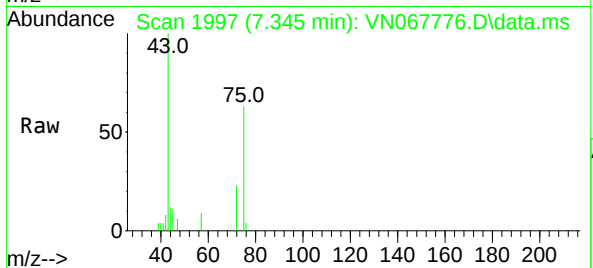




#25
2-Butanone
Concen: 4.406 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

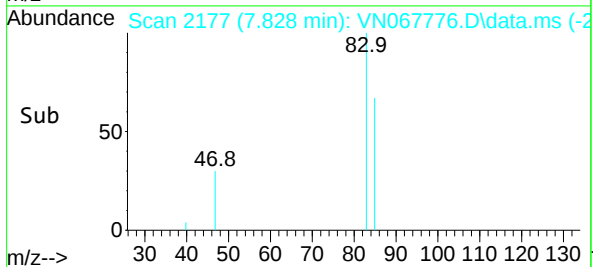
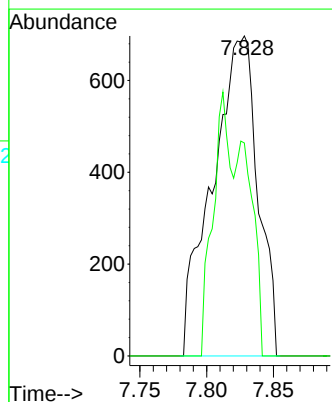
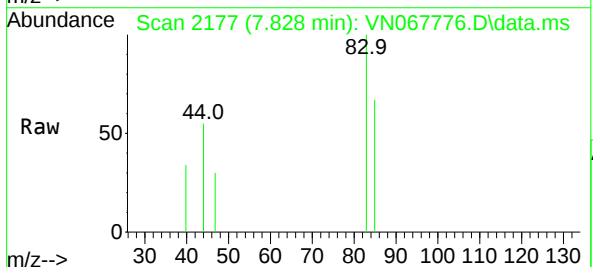
Instrument :
MSVOA_N
ClientSampled :

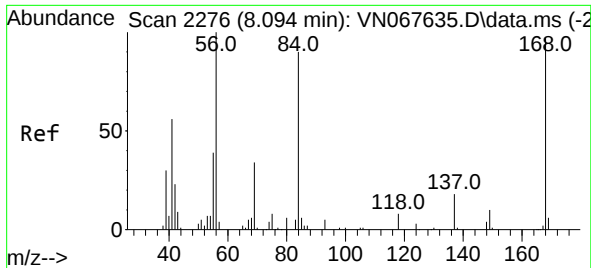
Tgt Ion: 43 Resp: 12302
Ion Ratio Lower Upper
43 100
72 23.3 19.7 29.5



#30
Chloroform
Concen: 0.202 ug/l
RT: 7.828 min Scan# 2177
Delta R.T. 0.011 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 83 Resp: 1658
Ion Ratio Lower Upper
83 100
85 66.6 51.5 77.3

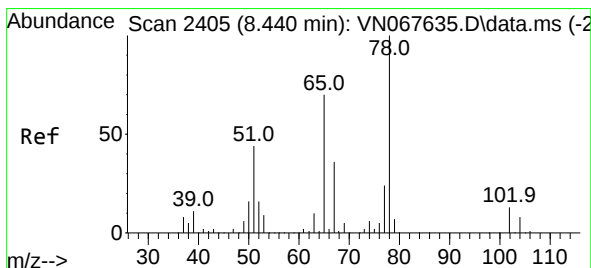
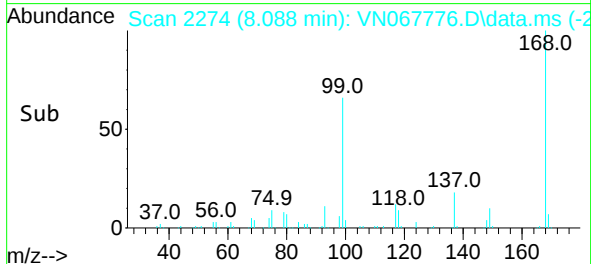
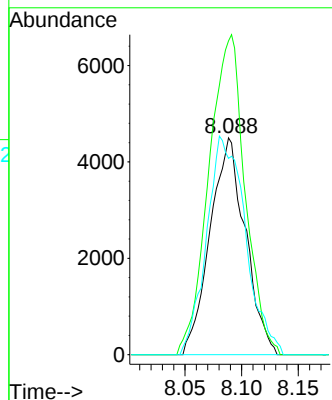
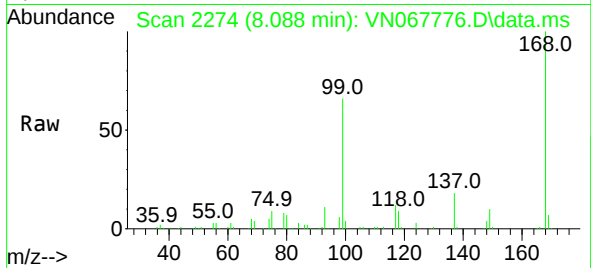




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

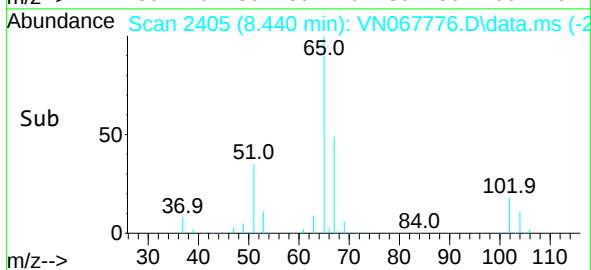
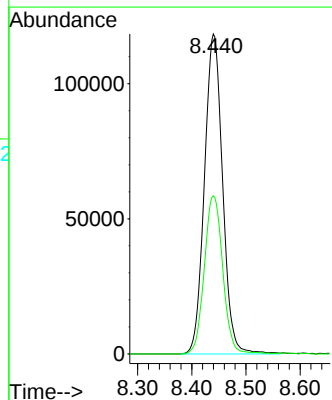
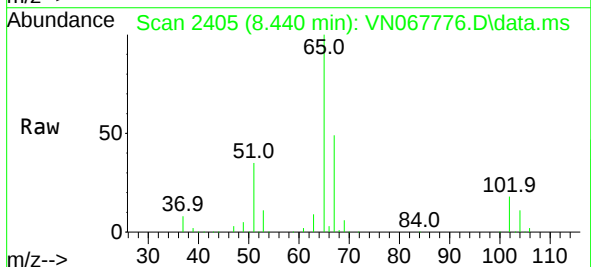
Instrument :
MSVOA_N
ClientSampled :

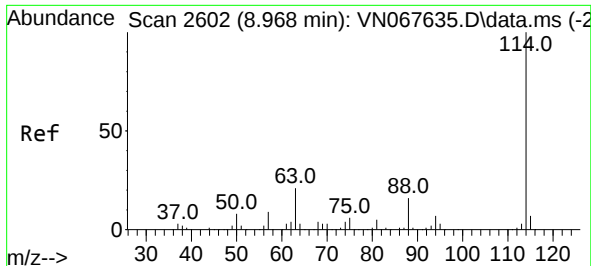
Tgt Ion: 56 Resp: 9724
Ion Ratio Lower Upper
56 100
69 144.7 27.3 40.9#
84 90.6 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 51.810 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 65 Resp: 276885
Ion Ratio Lower Upper
65 100
67 49.8 0.0 98.6

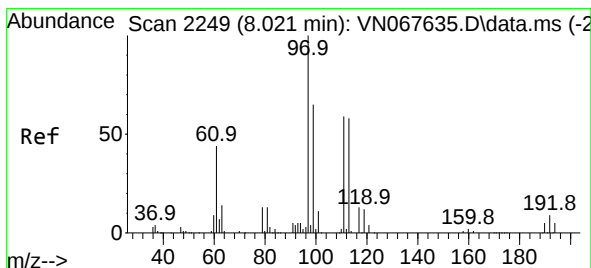
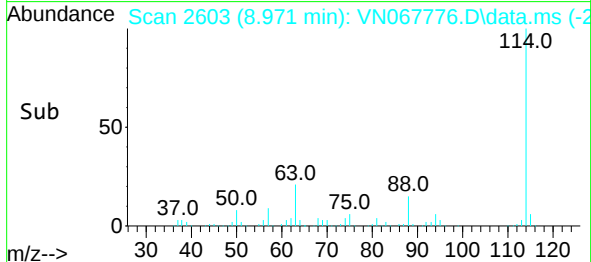
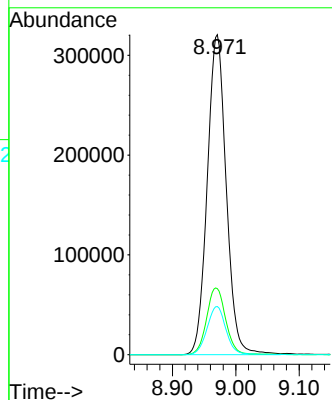
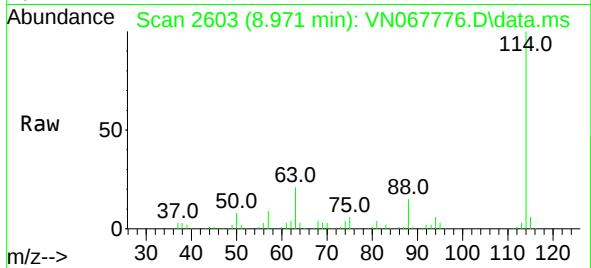




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

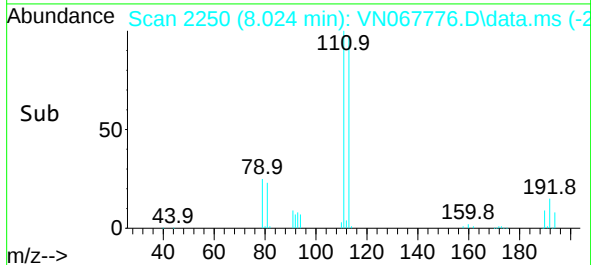
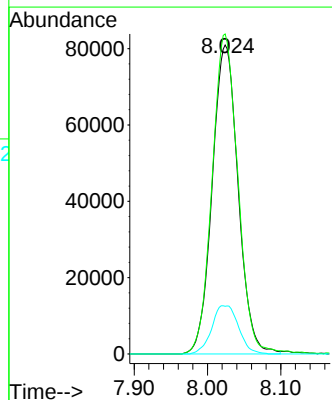
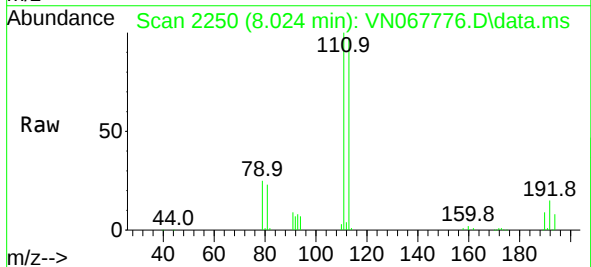
Instrument :
MSVOA_N
ClientSampleId :

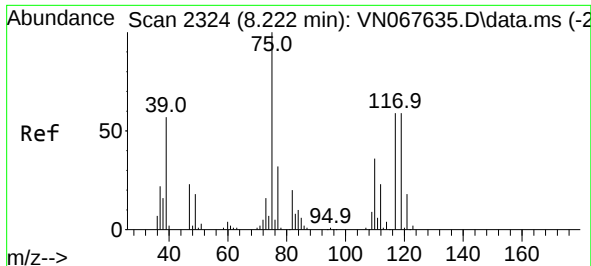
Tgt Ion:114 Resp: 666866
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.372 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion:113 Resp: 198923
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 16.2 13.4 20.0

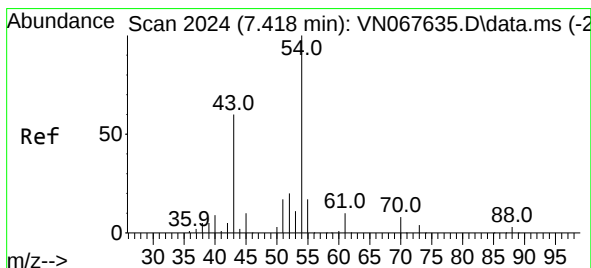
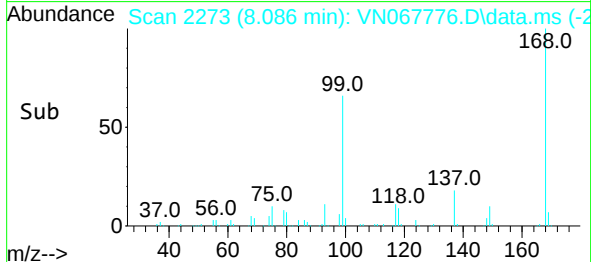
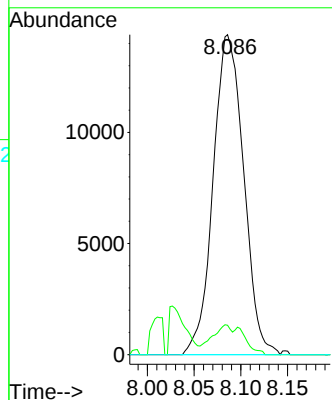
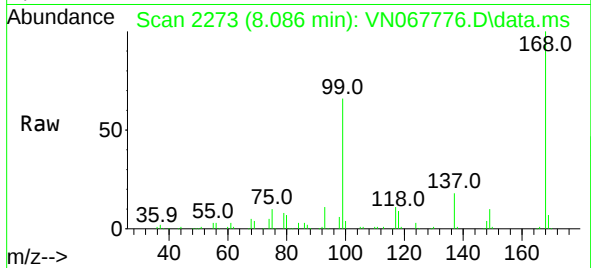




#36
1,1-Dichloropropene
Concen: 5.283 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

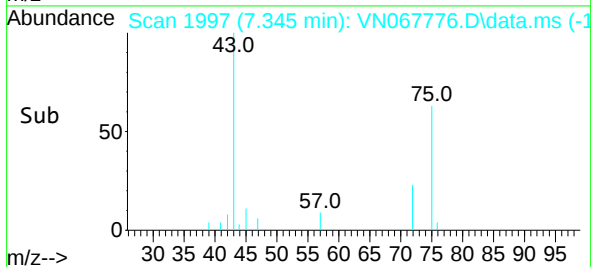
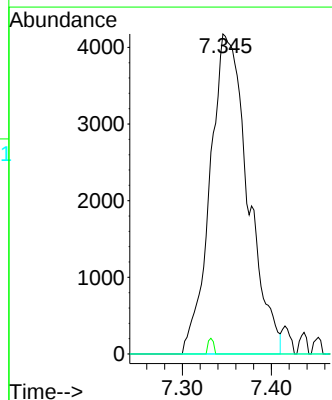
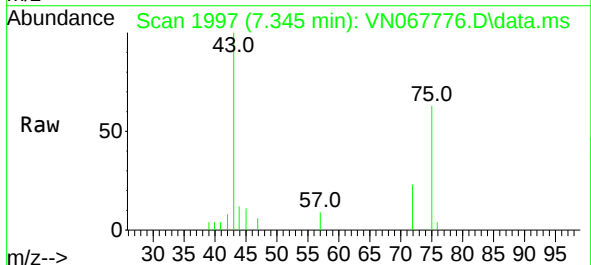
Instrument :
MSVOA_N
ClientSampleId :

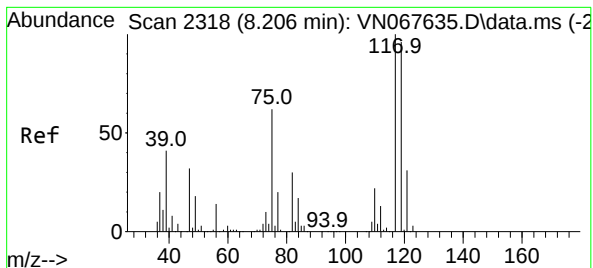
Tgt Ion: 75 Resp: 32725
Ion Ratio Lower Upper
75 100
110 3.6 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 2.050 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.073 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 43 Resp: 12302
Ion Ratio Lower Upper
43 100
61 0.7 10.6 16.0#
70 0.0 8.1 12.1#

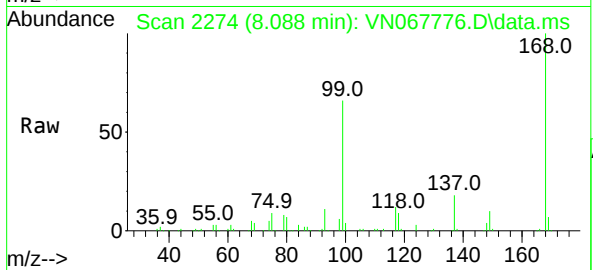




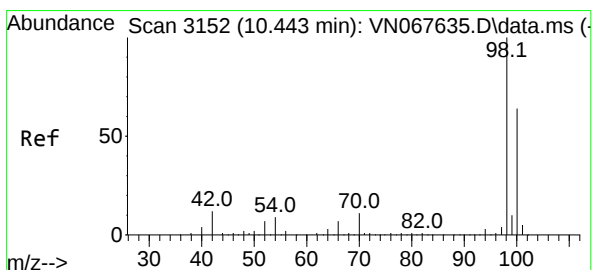
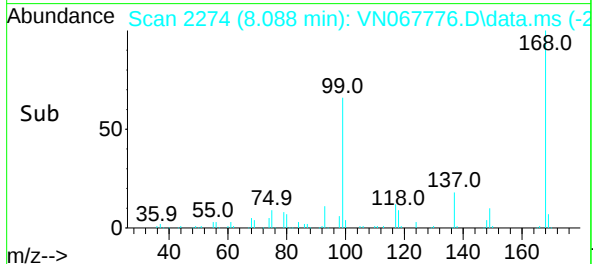
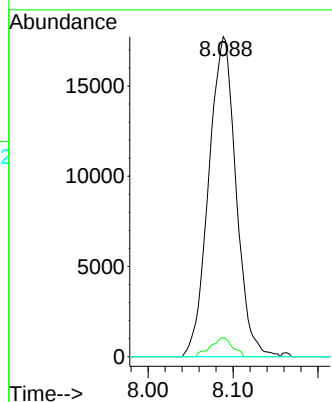
#38

Carbon Tetrachloride
 Concen: 6.488 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN067776.D
 Acq: 16 Jul 2021 16:34

Instrument :
 MSVOA_N
 ClientSampleId :



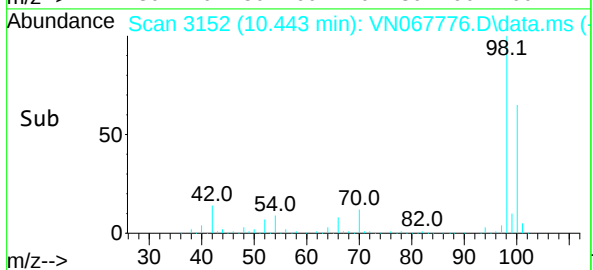
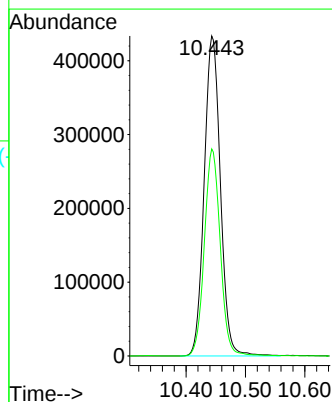
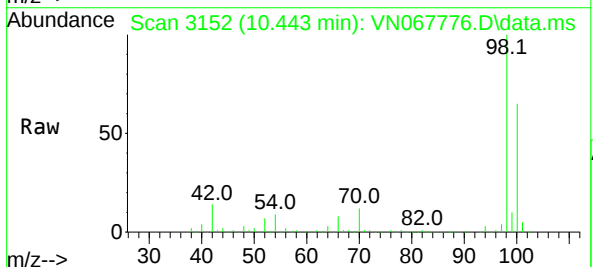
Tgt Ion:117 Resp: 39641
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.4 113.2#
 121 0.0 23.5 35.3#

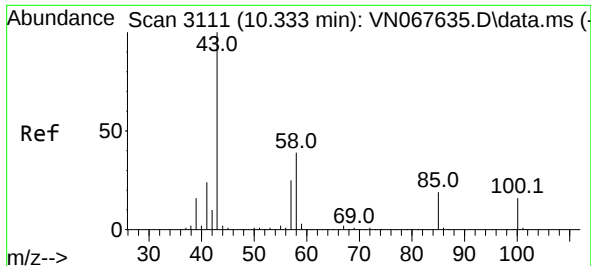


#50

Toluene-d8
 Concen: 48.738 ug/l
 RT: 10.443 min Scan# 3152
 Delta R.T. 0.000 min
 Lab File: VN067776.D
 Acq: 16 Jul 2021 16:34

Tgt Ion: 98 Resp: 821940
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.7 77.5

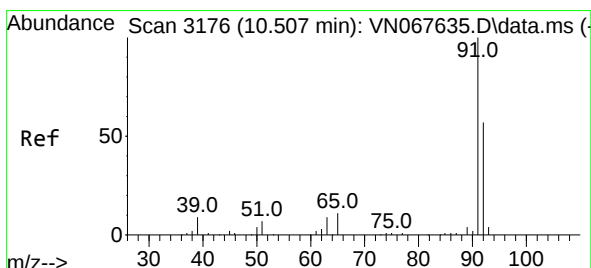
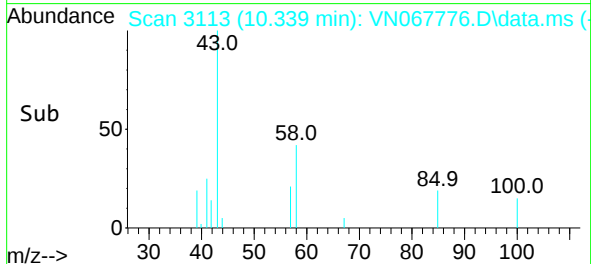
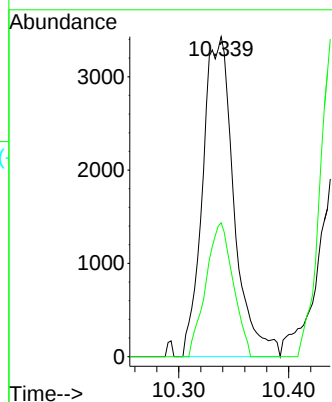
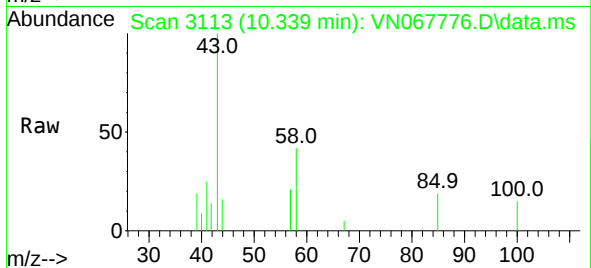




#51
4-Methyl-2-Pentanone
Concen: 1.041 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

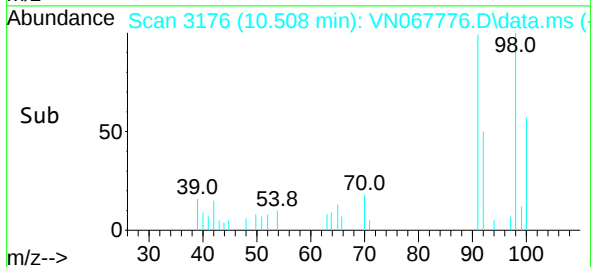
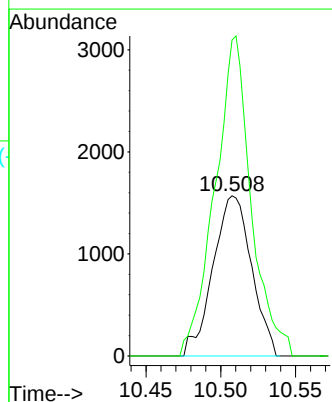
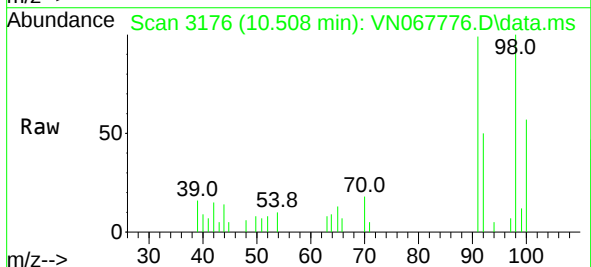
Instrument :
MSVOA_N
ClientSampled :

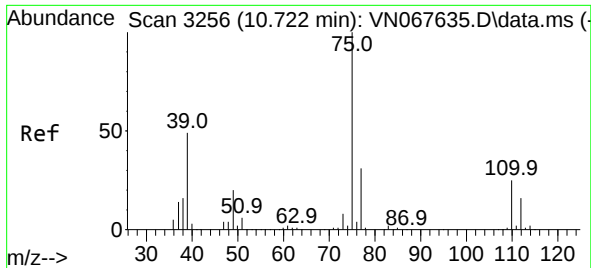
Tgt Ion: 43 Resp: 6755
Ion Ratio Lower Upper
43 100
58 36.4 28.6 43.0



#52
Toluene
Concen: 0.232 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.001 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 92 Resp: 2814
Ion Ratio Lower Upper
92 100
91 187.2 139.6 209.4

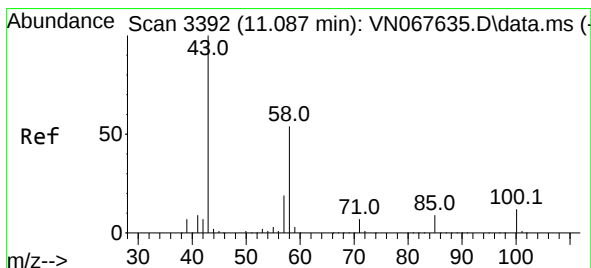
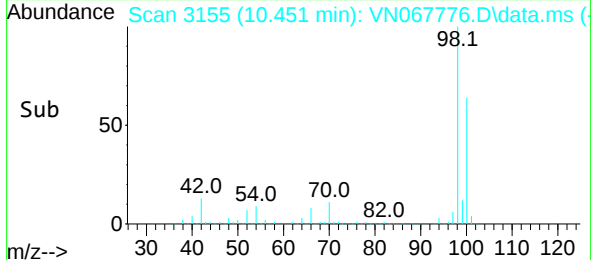
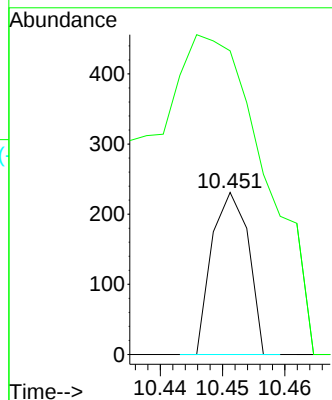
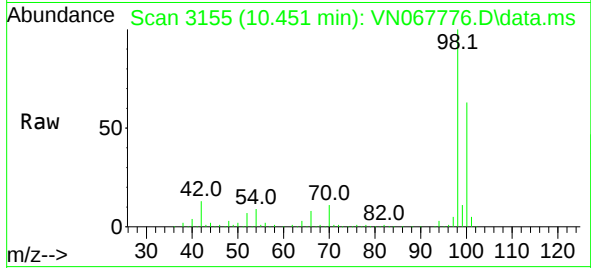




#53
t-1,3-Dichloropropene
Concen: 1.756 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

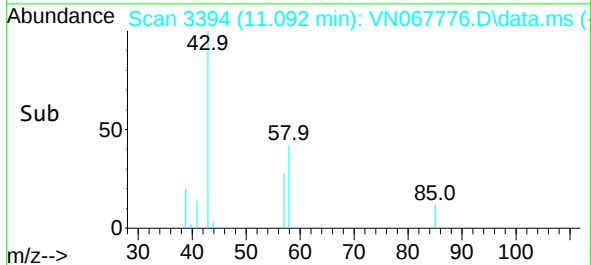
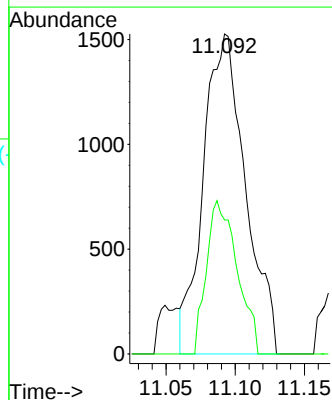
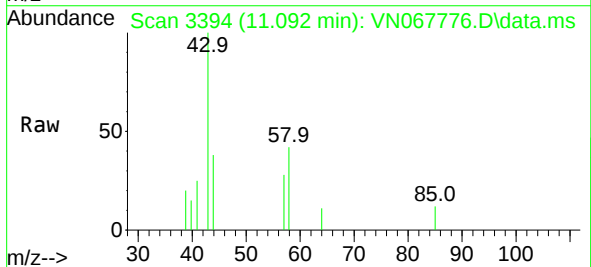
Instrument :
MSVOA_N
ClientSampled :

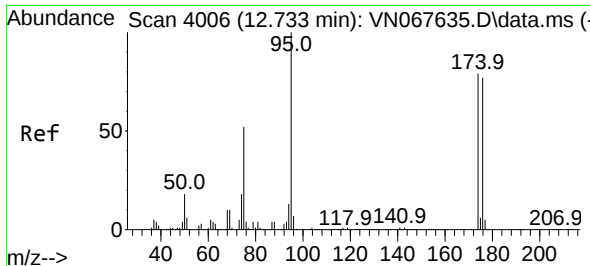
Tgt Ion: 75 Resp: 94
Ion Ratio Lower Upper
75 100
77 102.2 25.1 37.7#



#59
2-Hexanone
Concen: 0.713 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 43 Resp: 3230
Ion Ratio Lower Upper
43 100
58 34.9 24.7 74.1

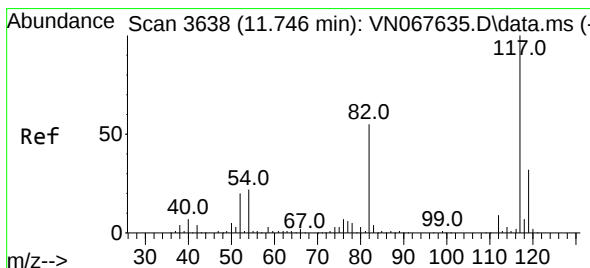
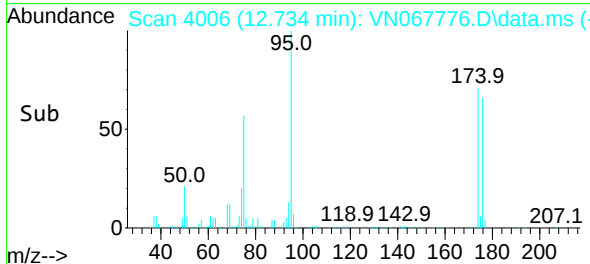
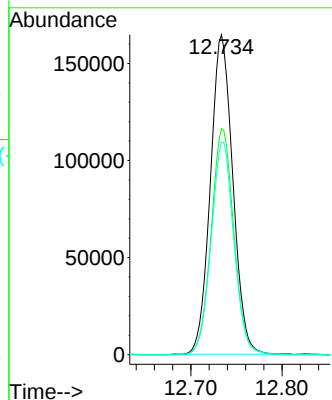
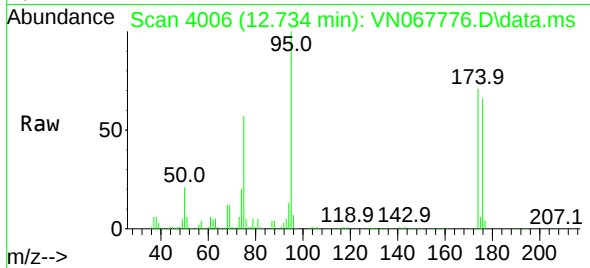




#62
4-Bromofluorobenzene
Concen: 47.090 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

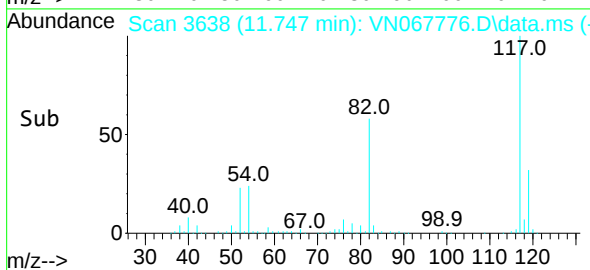
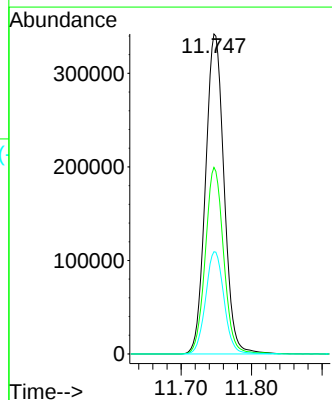
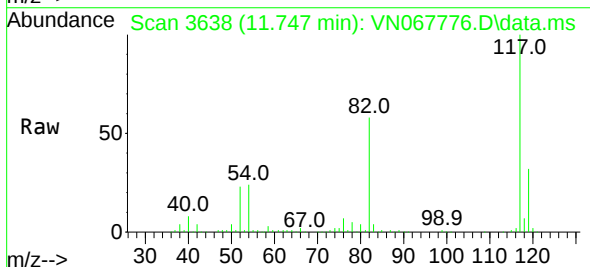
Instrument :
MSVOA_N
ClientSampled :

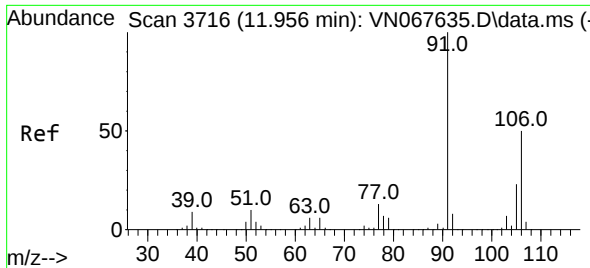
Tgt Ion: 95 Resp: 280537
Ion Ratio Lower Upper
95 100
174 71.6 0.0 122.0
176 67.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 117 Resp: 624314
Ion Ratio Lower Upper
117 100
82 58.3 53.1 79.7
119 31.9 25.5 38.3

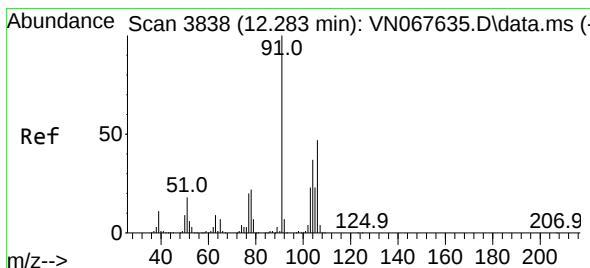
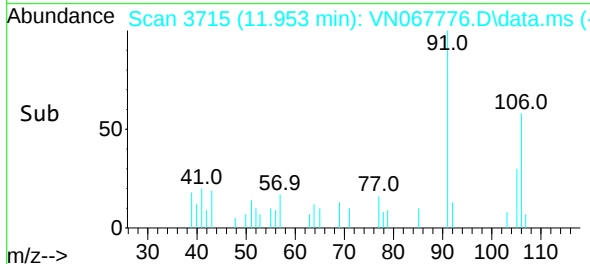
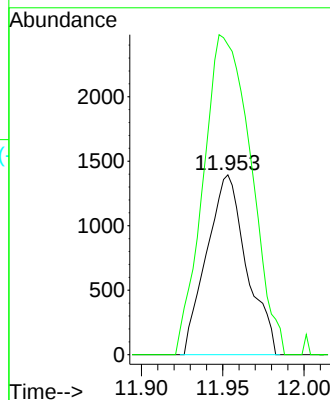
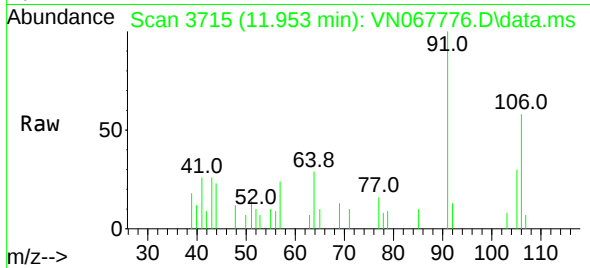




#68
m/p-Xylenes
Concen: 0.269 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

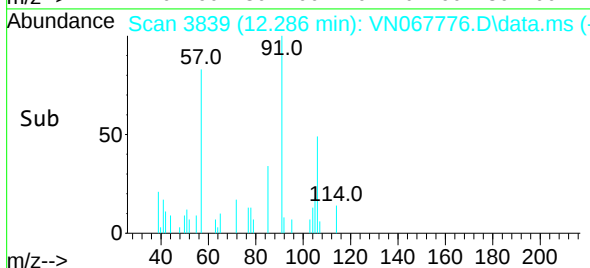
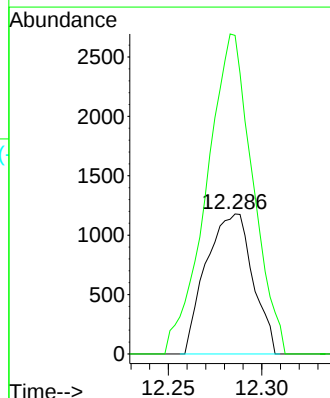
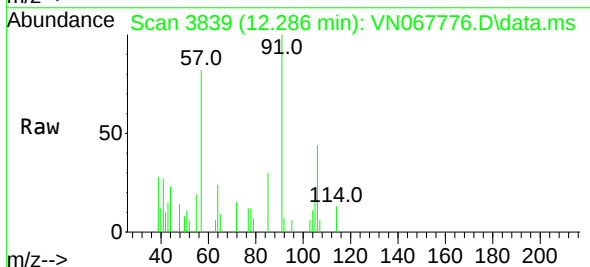
Instrument :
MSVOA_N
ClientSampleId :

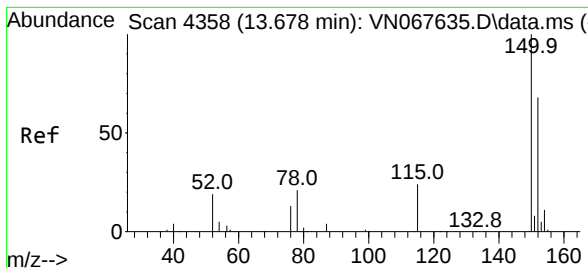
Tgt Ion:106 Resp: 2378
Ion Ratio Lower Upper
106 100
91 212.5 180.6 270.8



#69
o-Xylene
Concen: 0.235 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion:106 Resp: 2043
Ion Ratio Lower Upper
106 100
91 225.9 118.3 354.9

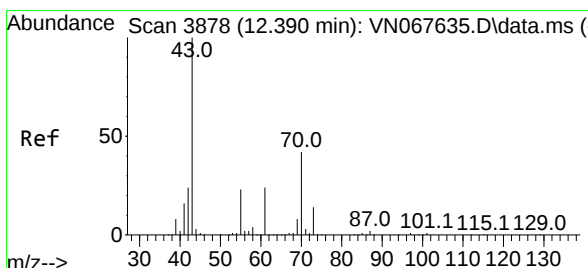
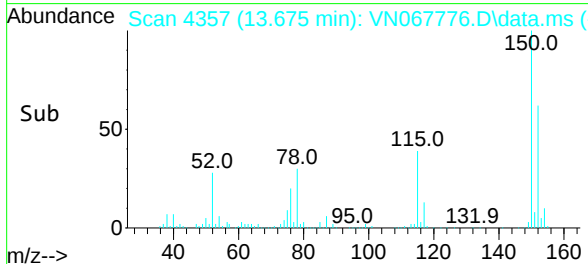
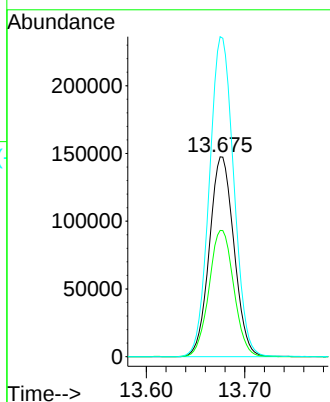
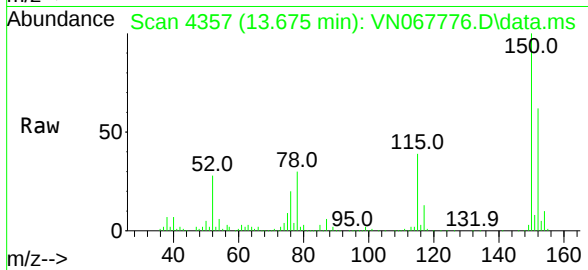




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

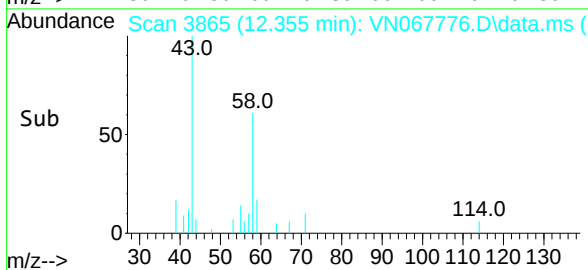
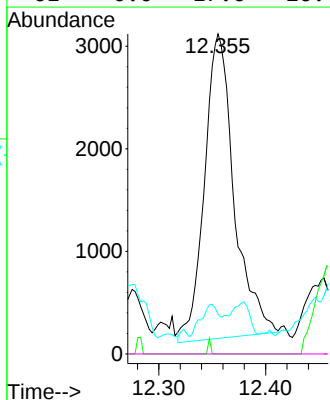
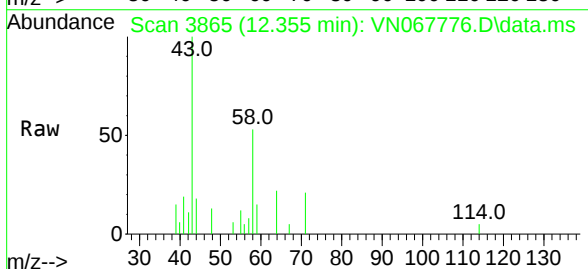
Instrument :
MSVOA_N
ClientSampleId :

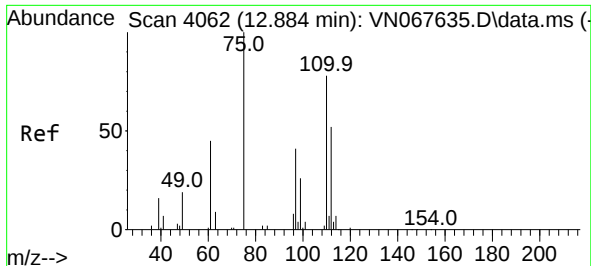
Tgt Ion:152 Resp: 256443
Ion Ratio Lower Upper
152 100
115 63.6 36.1 108.5
150 158.7 0.0 351.8



#74
N-ethyl acetate
Concen: 0.763 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 43 Resp: 5727
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 6.3 17.0 25.4#
61 0.0 17.6 26.4#

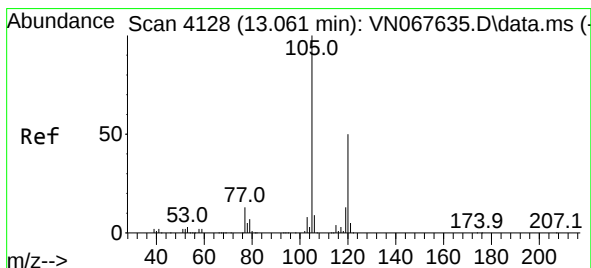
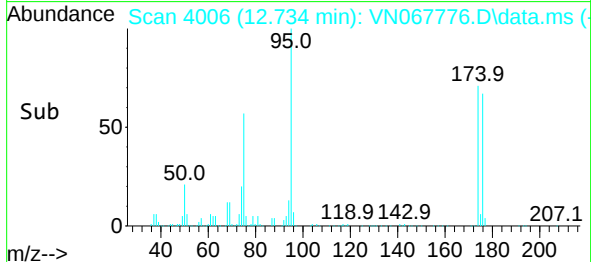
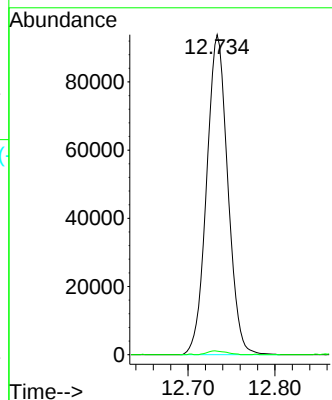
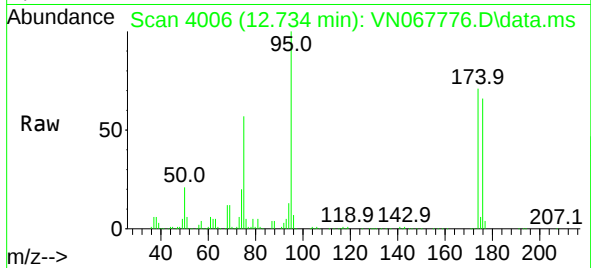




#76
1,2,3-Trichloropropane
Concen: 30.296 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

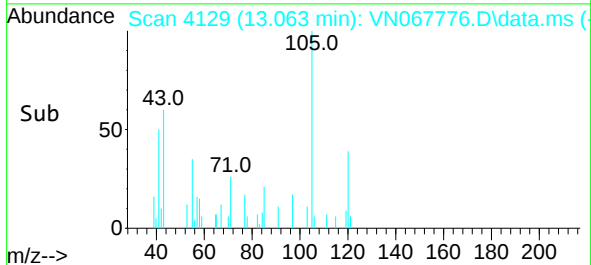
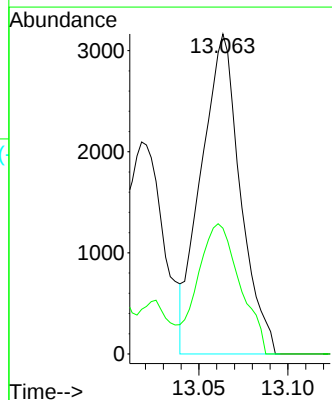
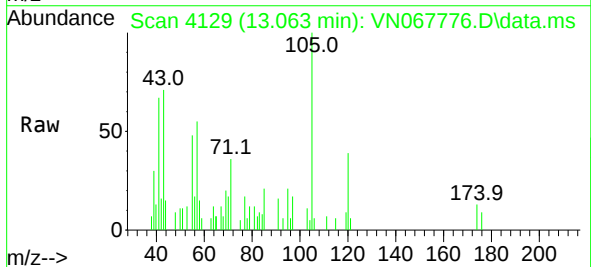
Instrument :
MSVOA_N
ClientSampleId :

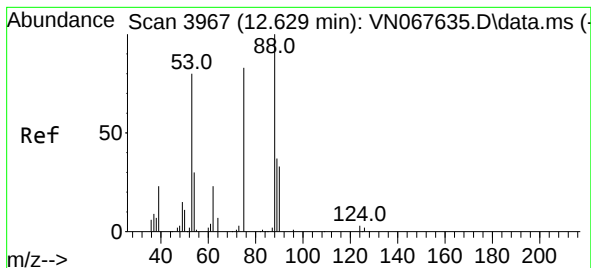
Tgt Ion: 75 Resp: 158660
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.289 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

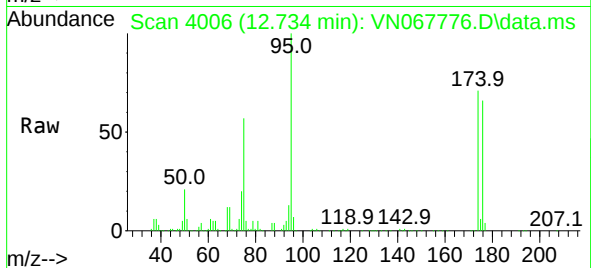
Tgt Ion: 105 Resp: 4841
Ion Ratio Lower Upper
105 100
120 44.6 22.2 66.6



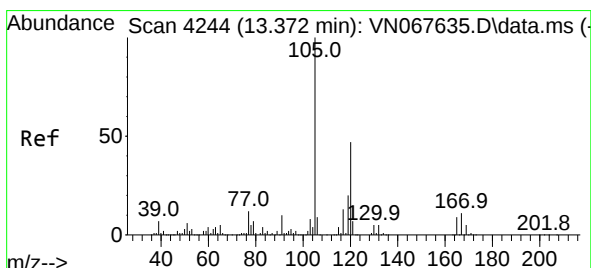
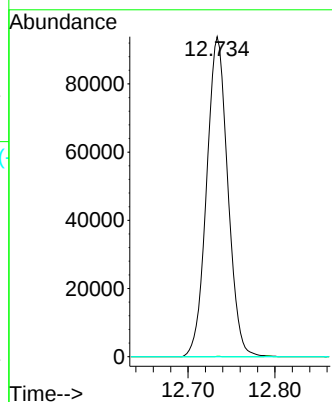
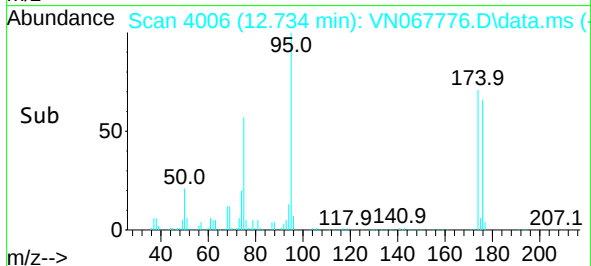


#81
trans-1,4-Dichloro-2-butene
Concen: 97.677 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

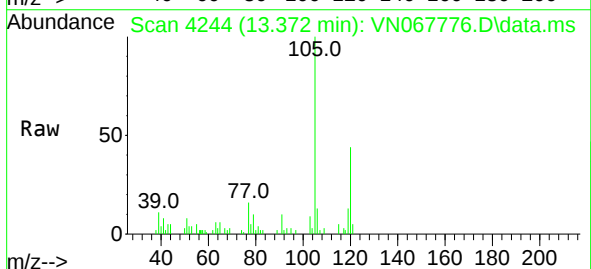
Instrument :
MSVOA_N
ClientSampleId :



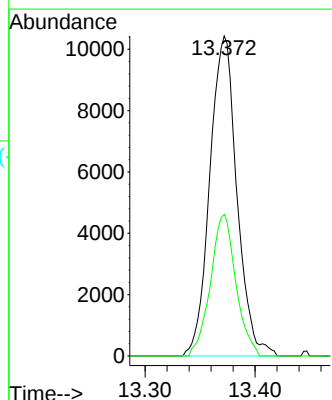
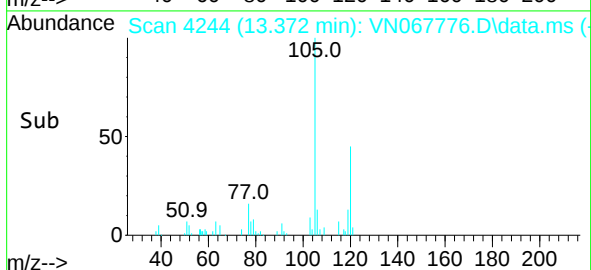
Tgt Ion: 75 Resp: 158660
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

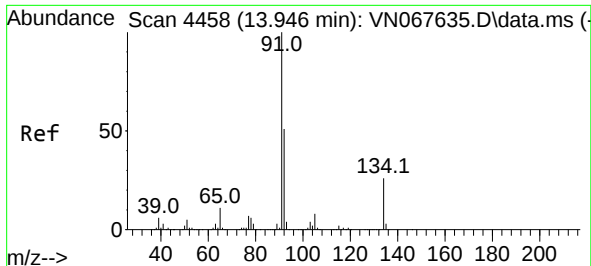


#84
1,2,4-Trimethylbenzene
Concen: 1.087 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. -0.000 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34



Tgt Ion: 105 Resp: 17857
Ion Ratio Lower Upper
105 100
120 41.3 20.6 61.8

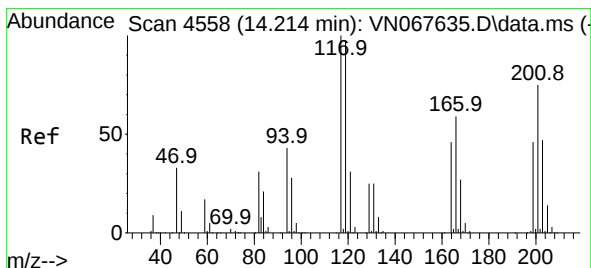
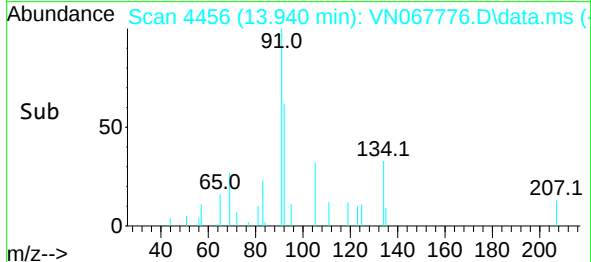
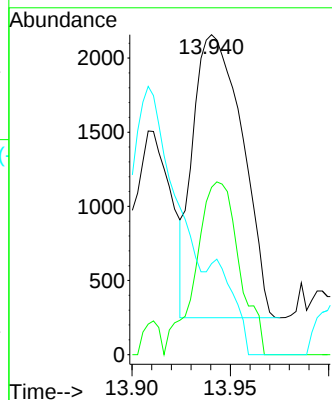
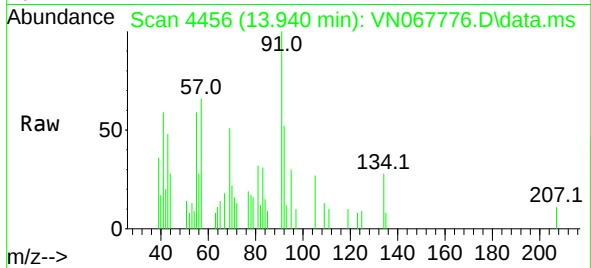




#89
n-Butylbenzene
Concen: 0.242 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.006 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

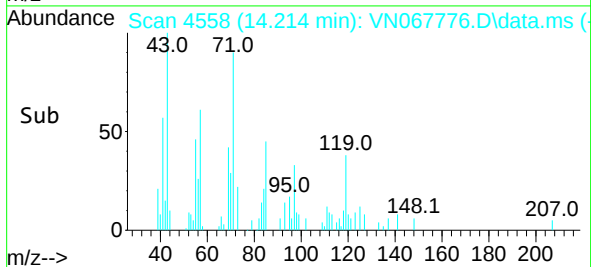
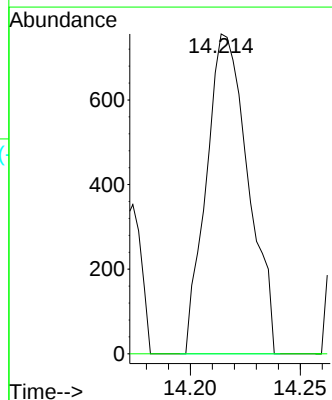
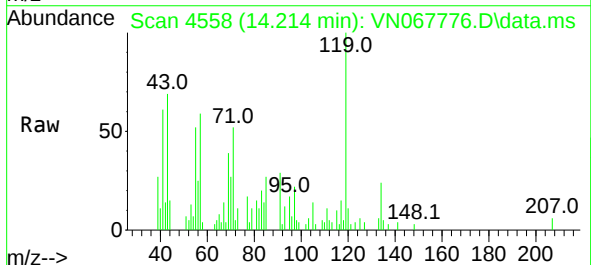
Instrument :
MSVOA_N
ClientSampled :

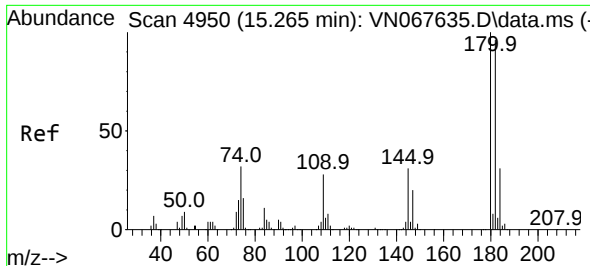
Tgt Ion: 91 Resp: 3317
Ion Ratio Lower Upper
91 100
92 53.9 25.7 77.1
134 0.0 11.2 33.6#



#90
Hexachloroethane
Concen: 0.379 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. 0.000 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

Tgt Ion: 117 Resp: 1005
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#

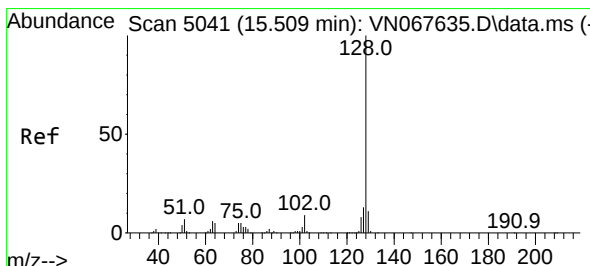
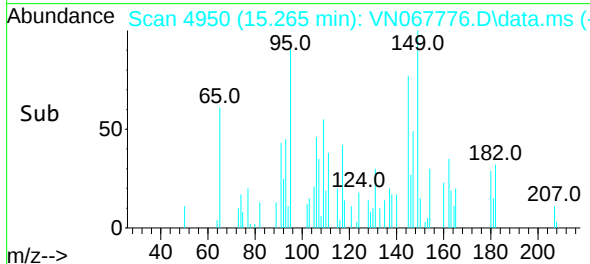
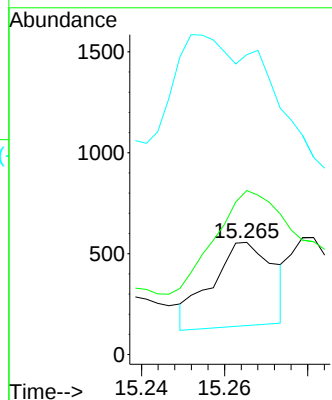
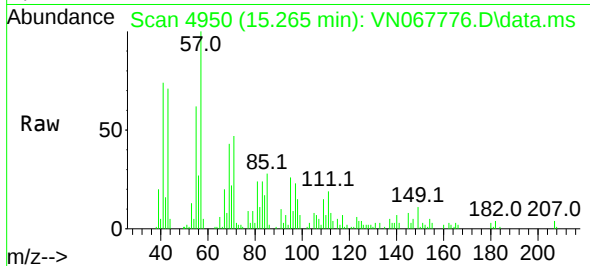




#93
1,2,4-Trichlorobenzene
Concen: 2.769 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

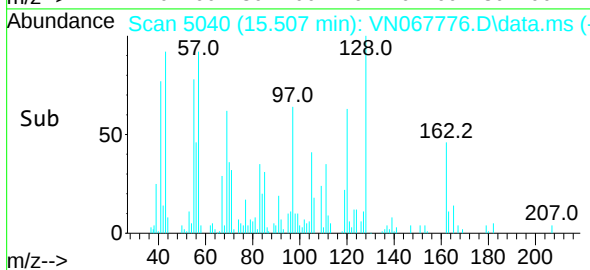
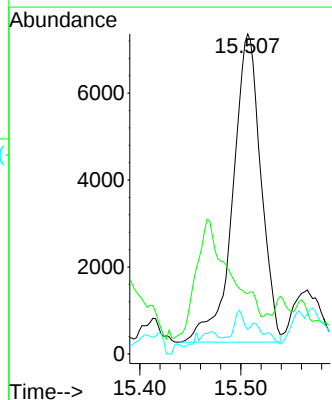
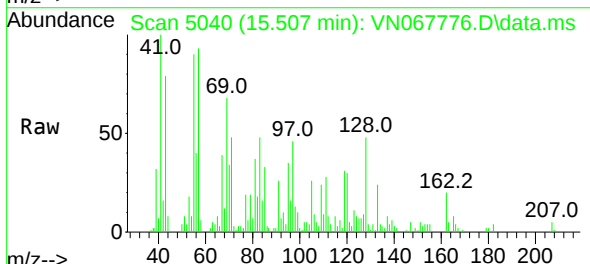
Instrument :
MSVOA_N
ClientSampled :

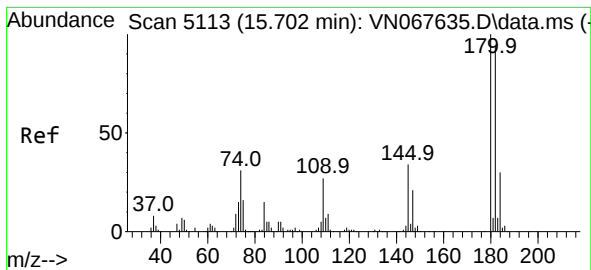
Tgt Ion:180 Resp: 427
Ion Ratio Lower Upper
180 100
182 198.6 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 4.034 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067776.D
Acq: 16 Jul 2021 16:34

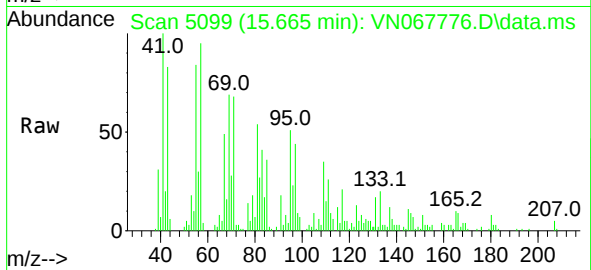
Tgt Ion:128 Resp: 13656
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 2.9 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.258 ug/l
 RT: 15.665 min Scan# 5099
 Delta R.T. -0.037 min
 Lab File: VN067776.D
 Acq: 16 Jul 2021 16:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2702
 Ion Ratio Lower Upper
 180 100
 182 31.6 47.8 143.3#
 145 95.2 18.2 54.6#

