

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067770.D
 Acq On : 16 Jul 2021 13:58
 Operator : JC/MD
 Sample : M3023-01
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 16 14:15:09 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)

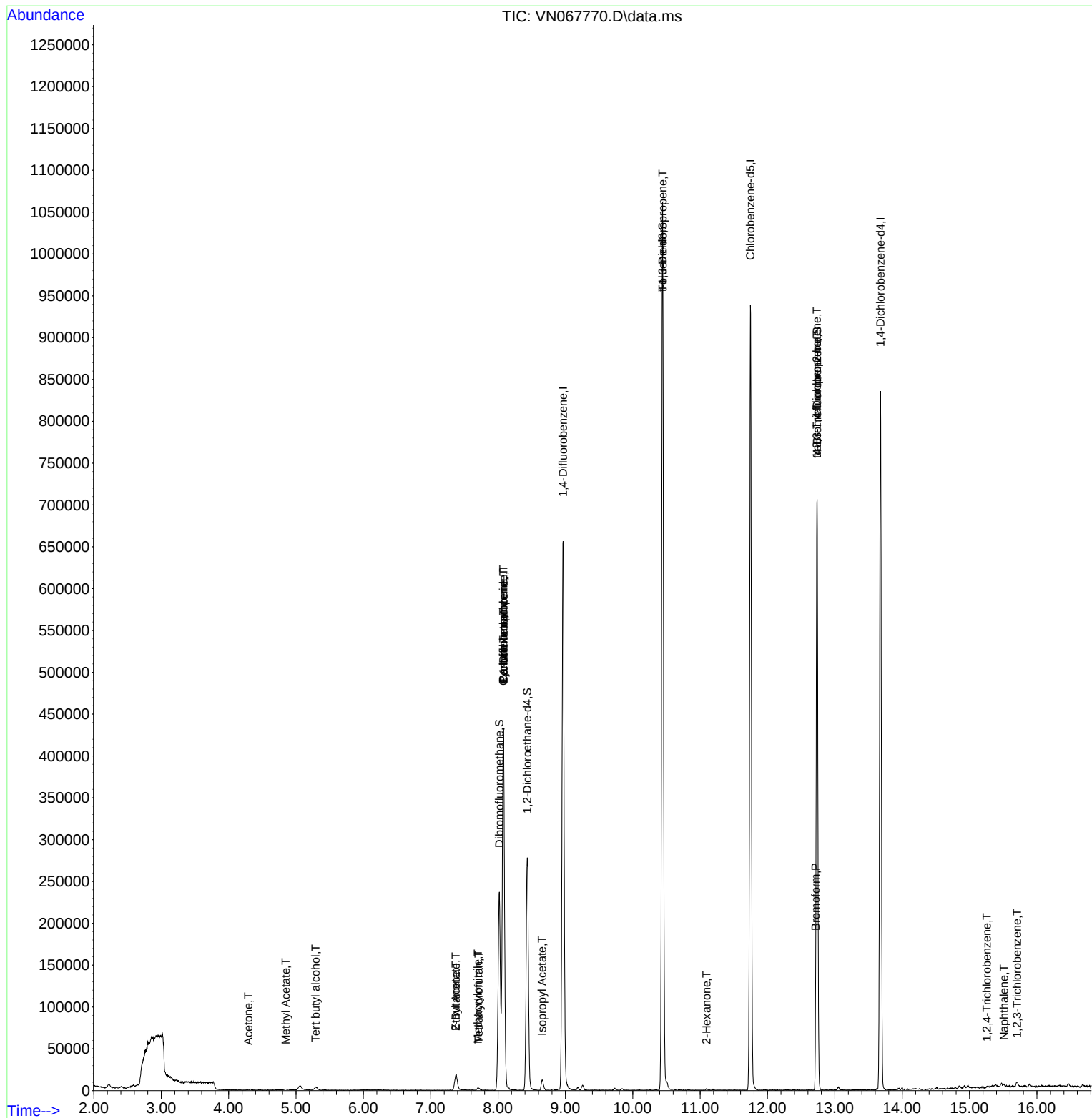
Internal Standards						
1) Pentafluorobenzene	8.080	168	309622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	582354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	535896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	209301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	240088	51.308	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.620%	
35) Dibromofluoromethane	8.018	113	173378	49.277	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.560%	
50) Toluene-d8	10.443	98	742382	50.409	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.736	95	241517	46.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.840%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.807	94	1408	Below Cal	#	68
6) Chloroethane	2.984	64	99	Below Cal	#	44
11) Tert butyl alcohol	5.291	59	3295	4.900	ug/l #	71
13) Acrolein	4.025	56	182	Below Cal	#	48
16) Acetone	4.293	43	497	0.338	ug/l #	48
18) Methyl Acetate	4.848	43	967	0.234	ug/l #	67
20) Methylene Chloride	5.058	84	1655	Below Cal	#	76
25) 2-Butanone	7.372	43	2194	0.897	ug/l #	51
29) Tetrahydrofuran	7.713	42	2485	1.546	ug/l #	48
31) Cyclohexane	8.077	56	8347	1.272	ug/l #	24
36) 1,1-Dichloropropene	8.080	75	28231	5.219	ug/l #	53
37) Ethyl Acetate	7.372	43	2194	0.419	ug/l #	76
38) Carbon Tetrachloride	8.080	117	35984	6.744	ug/l #	16
41) Methacrylonitrile	7.702	41	1082	0.402	ug/l #	34
43) Isopropyl Acetate	8.651	43	5499	0.596	ug/l #	58
53) t-1,3-Dichloropropene	10.443	75	115	1.761	ug/l #	83
59) 2-Hexanone	11.095	43	1229	0.311	ug/l	93
71) Bromoform	12.715	173	170	3.222	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	138080	32.305	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	138080	104.154	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.257	180	232	2.737	ug/l	92
95) Naphthalene	15.509	128	3050	3.292	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.705	180	548	2.788	ug/l #	83

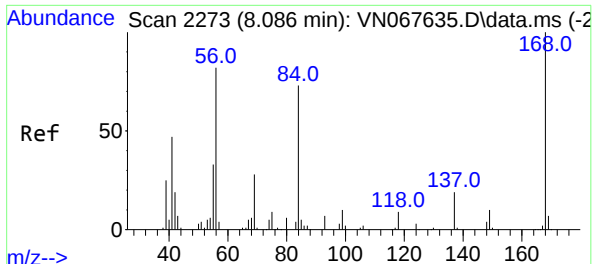
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 16 14:15:09 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

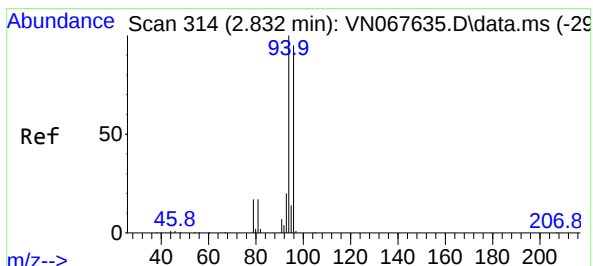
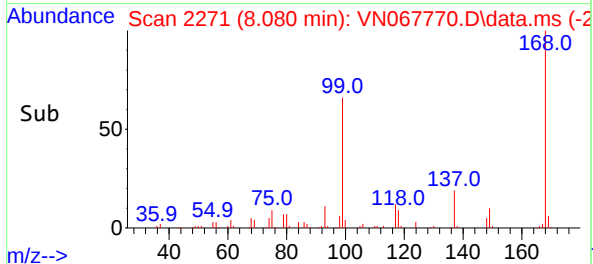
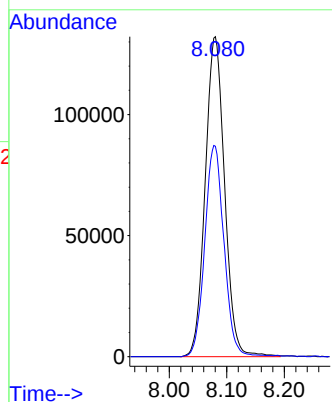
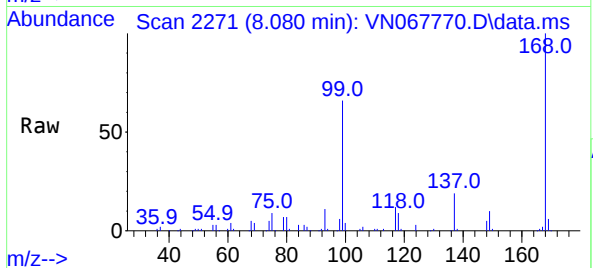




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

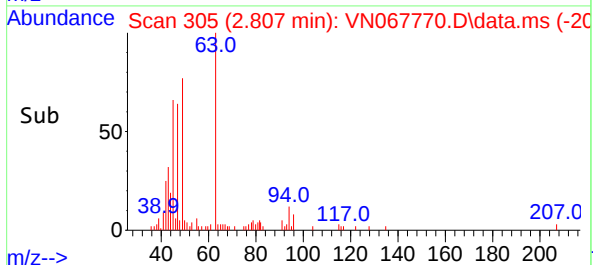
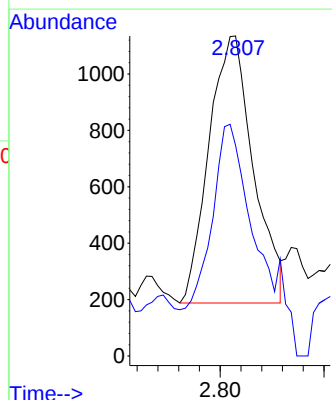
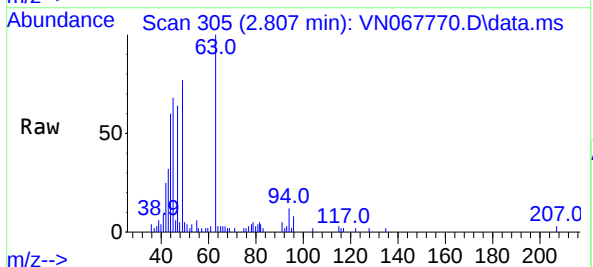
Instrument :
MSVOA_N
ClientSampleId :

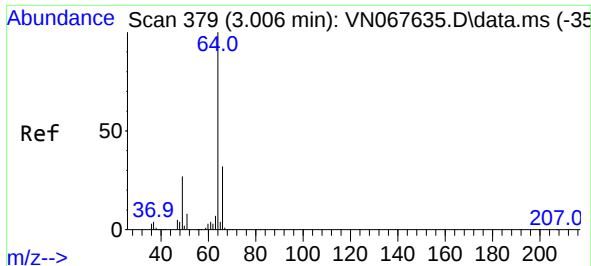
Tgt Ion:168 Resp: 309622
Ion Ratio Lower Upper
168 100
99 65.8 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.807 min Scan# 305
Delta R.T. -0.025 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 94 Resp: 1408
Ion Ratio Lower Upper
94 100
96 61.6 73.7 110.5#

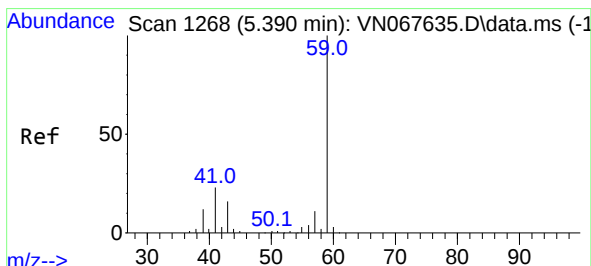
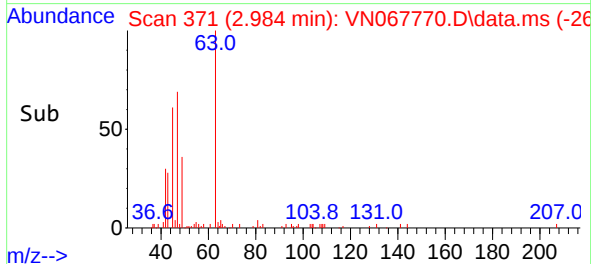
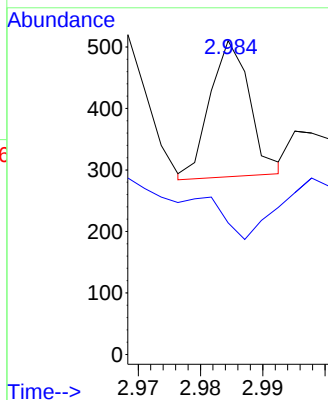
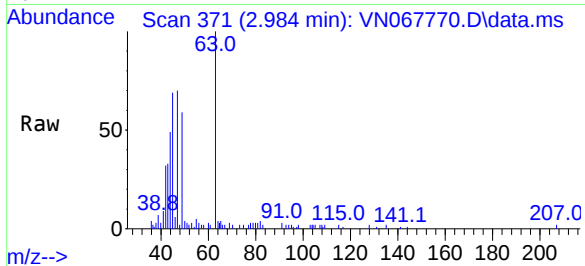




#6
Chloroethane
Concen: Below Cal
RT: 2.984 min Scan# 371
Delta R.T. -0.022 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

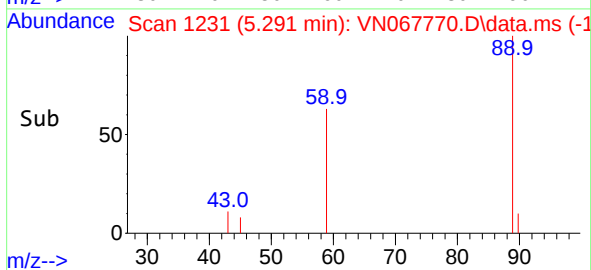
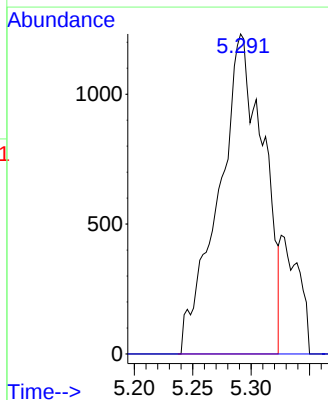
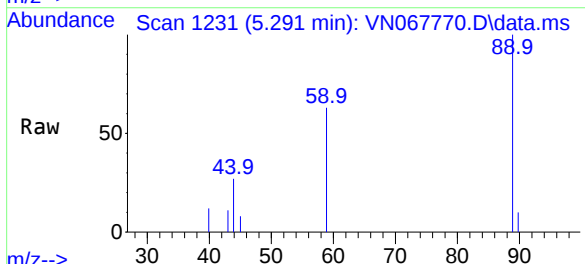
Instrument :
MSVOA_N
ClientSampled :

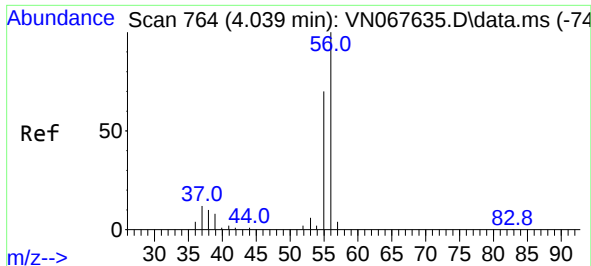
Tgt Ion: 64 Resp: 99
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 4.900 ug/l
RT: 5.291 min Scan# 1231
Delta R.T. -0.099 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 59 Resp: 3295
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

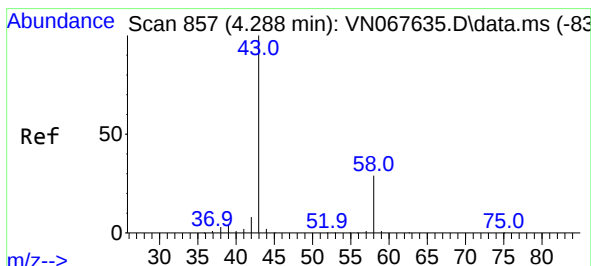
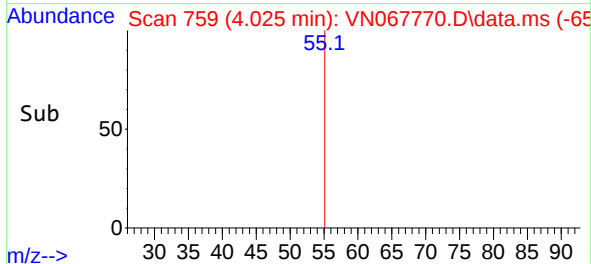
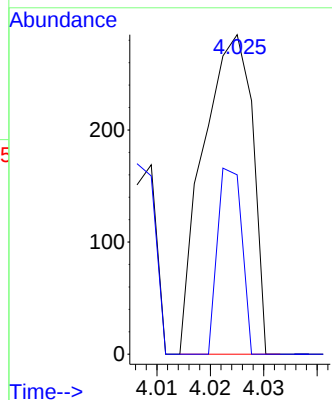
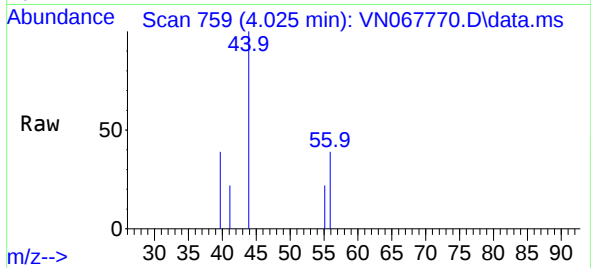




#13
Acrolein
Concen: Below Cal
RT: 4.025 min Scan# 759
Delta R.T. -0.014 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

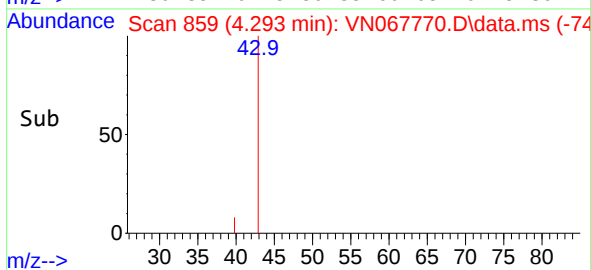
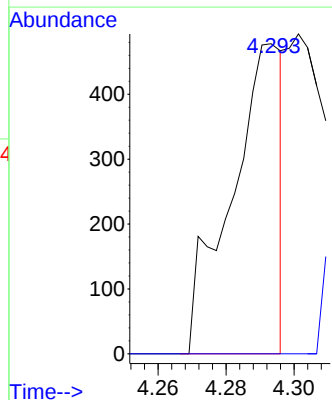
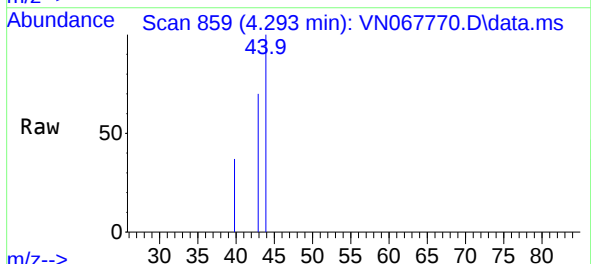
Instrument :
MSVOA_N
ClientSampled :

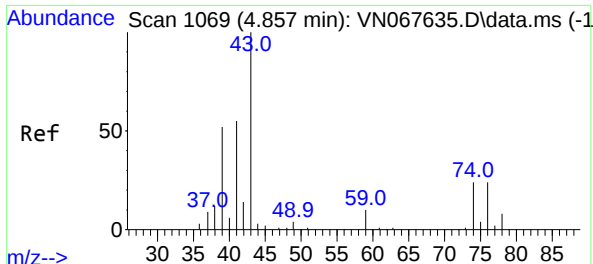
Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 28.6 57.4 86.0#



#16
Acetone
Concen: 0.338 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 43 Resp: 497
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

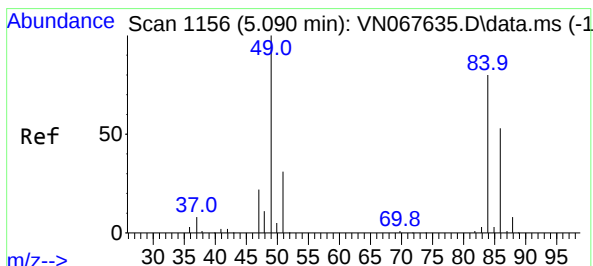
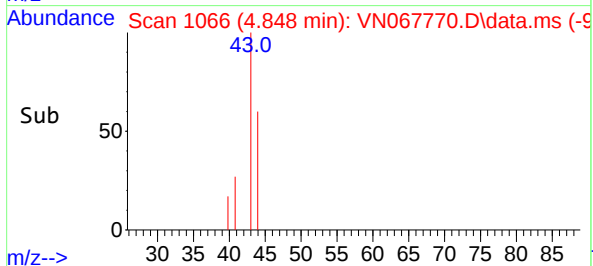
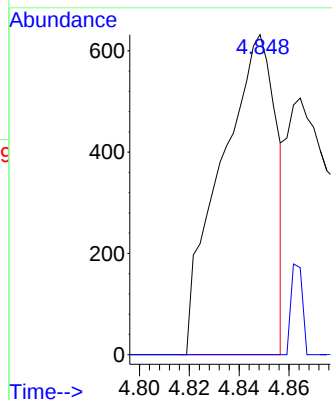
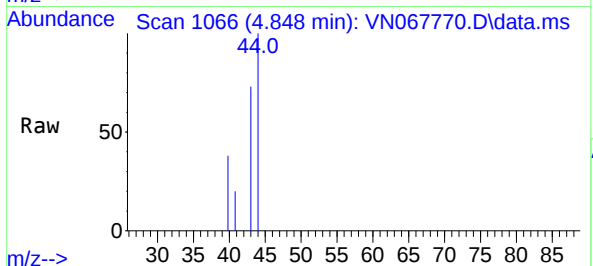




#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 4.848 min Scan# 1066
Delta R.T. -0.009 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

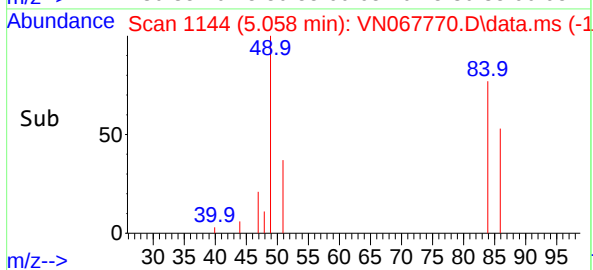
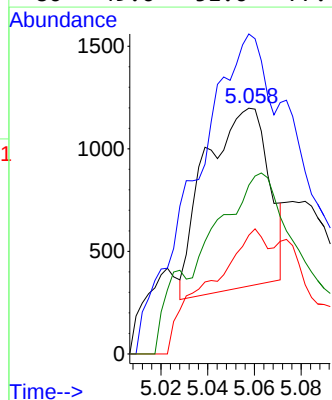
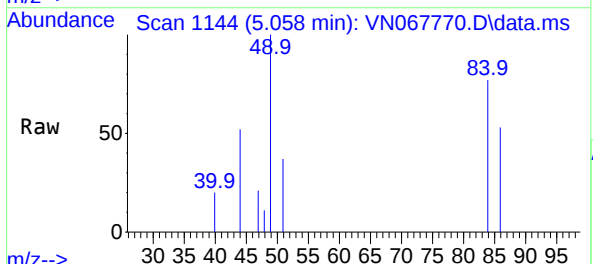
Instrument :
MSVOA_N
ClientSampled :

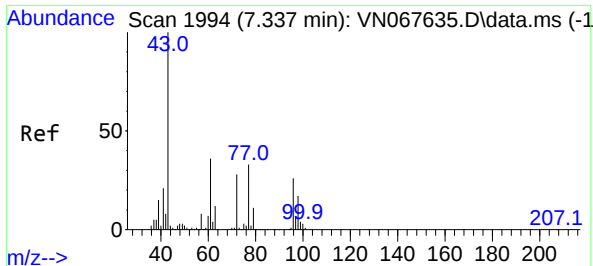
Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
74 5.9 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.058 min Scan# 1144
Delta R.T. -0.032 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 84 Resp: 1655
Ion Ratio Lower Upper
84 100
49 100.2 110.9 166.3#
51 43.6 32.6 49.0
86 49.6 51.6 77.4#

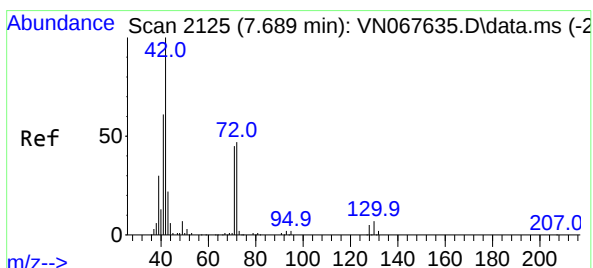
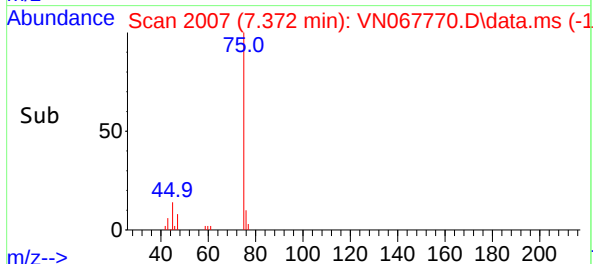
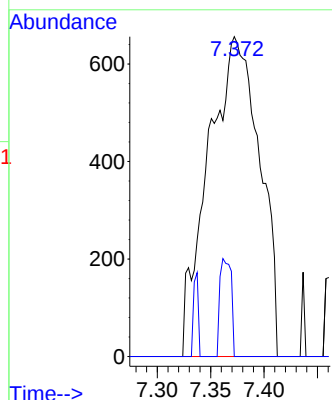
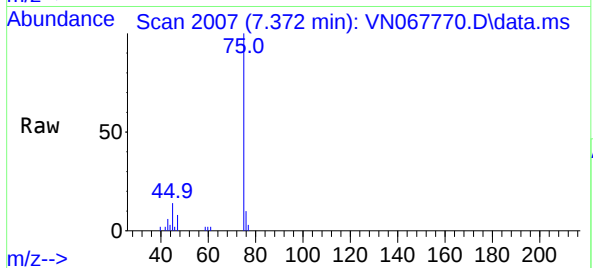




#25
2-Butanone
Concen: 0.897 ug/l
RT: 7.372 min Scan# 2007
Delta R.T. 0.035 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

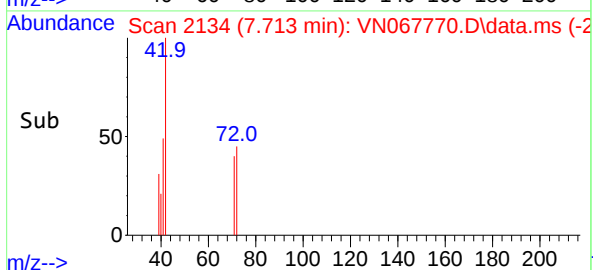
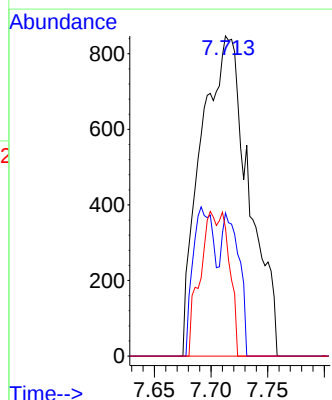
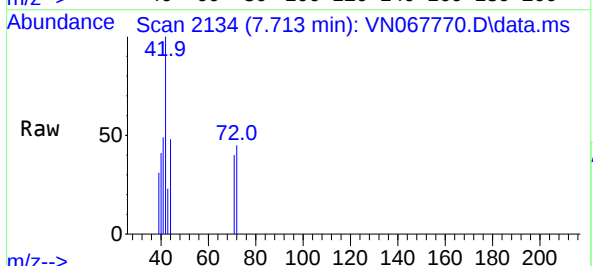
Instrument :
MSVOA_N
ClientSampled :

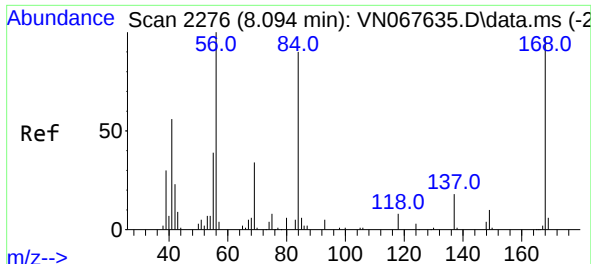
Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 1.546 ug/l
RT: 7.713 min Scan# 2134
Delta R.T. 0.024 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

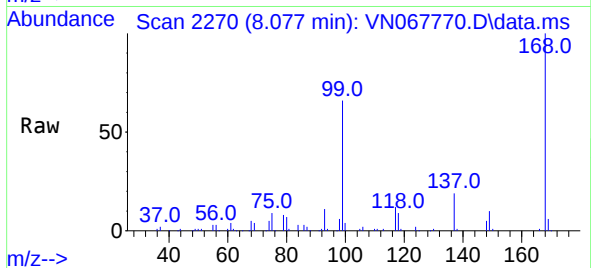
Tgt Ion: 42 Resp: 2485
Ion Ratio Lower Upper
42 100
72 15.8 32.8 49.2#
71 0.0 31.2 46.8#



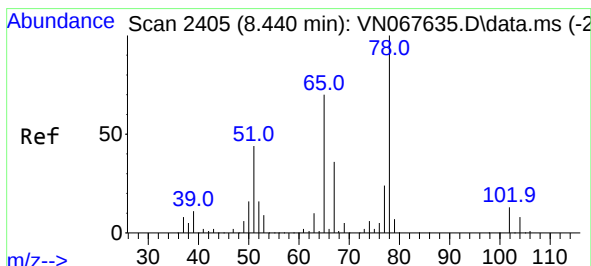
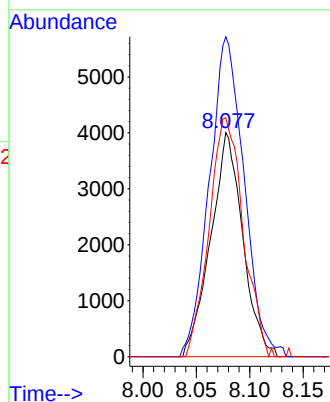
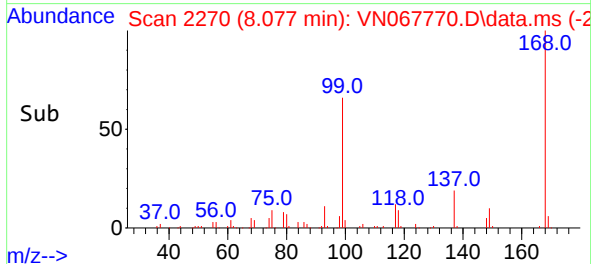


#31
Cyclohexane
Concen: 1.272 ug/l
RT: 8.077 min Scan# 2270
Delta R.T. -0.017 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

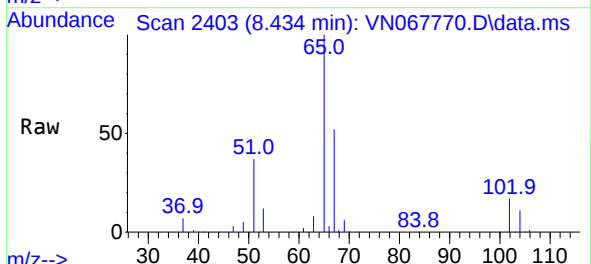
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MSVOA_N
ClientSampleId :



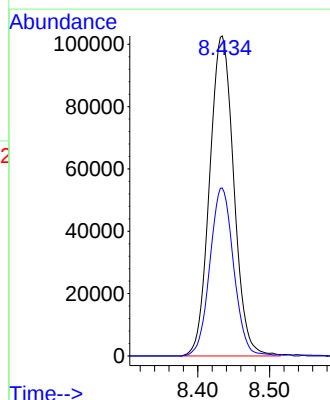
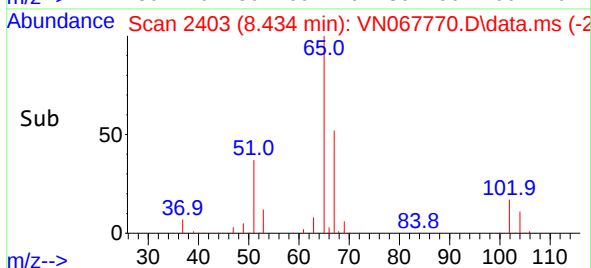
Tgt Ion: 56 Resp: 8347
Ion Ratio Lower Upper
56 100
69 142.8 27.3 40.9#
84 106.6 64.9 97.3#

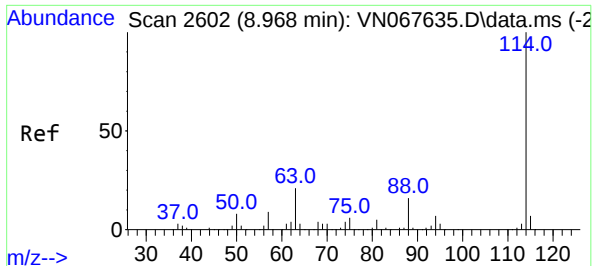


#33
1,2-Dichloroethane-d4
Concen: 51.308 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58



Tgt Ion: 65 Resp: 240088
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6



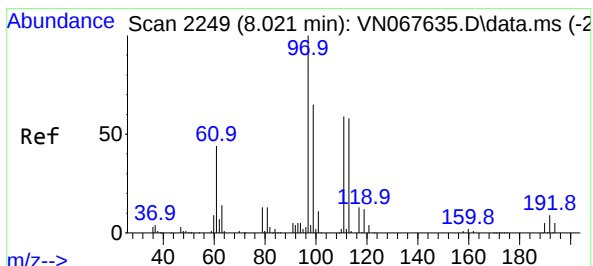
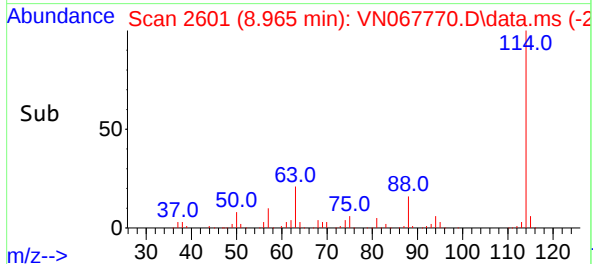
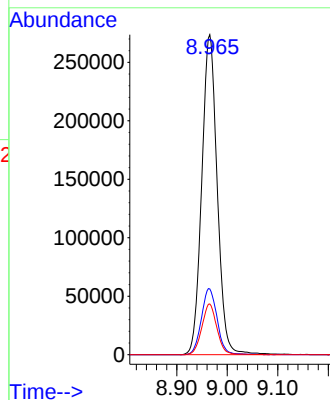
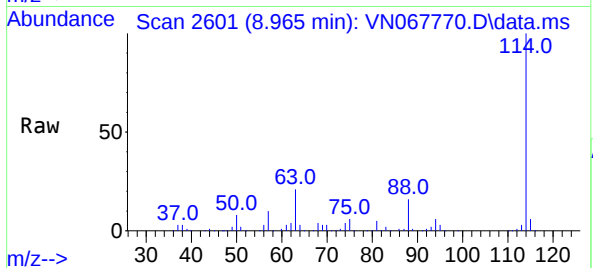


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Instrument :
MSVOA_N
ClientSampleId :

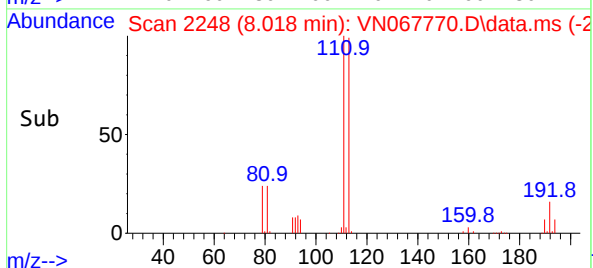
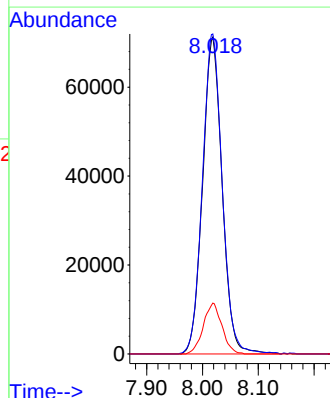
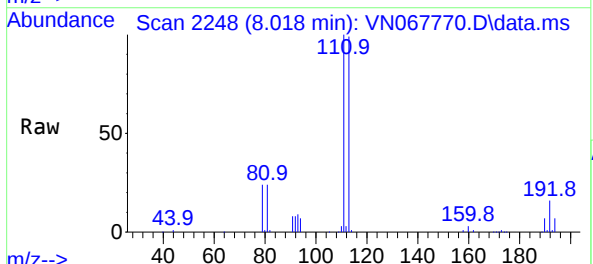
Tgt Ion:114 Resp: 582354
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.9 0.0 36.6

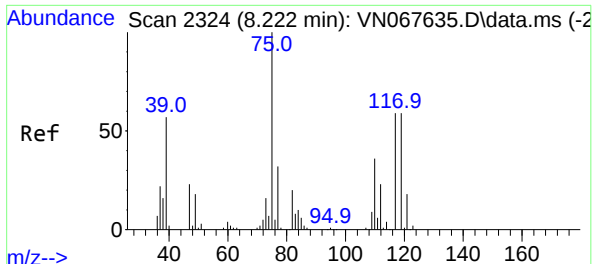


#35

Dibromofluoromethane
Concen: 49.277 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

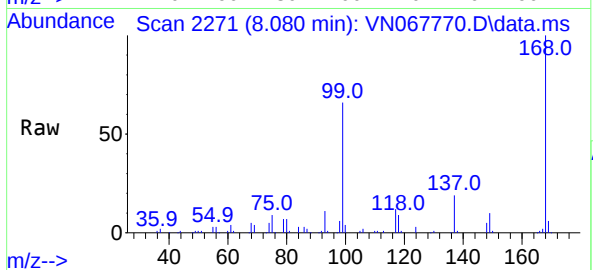
Tgt Ion:113 Resp: 173378
Ion Ratio Lower Upper
113 100
111 102.0 83.8 125.8
192 15.3 13.4 20.0



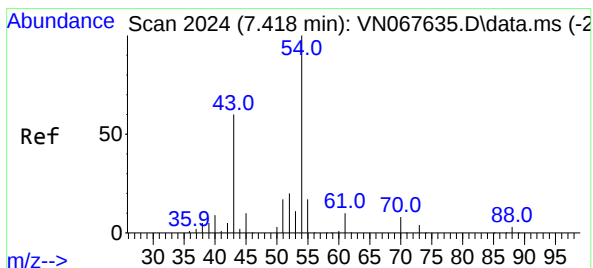
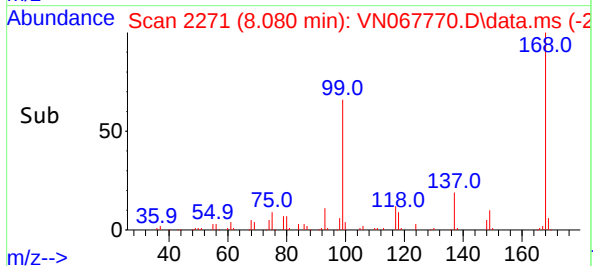
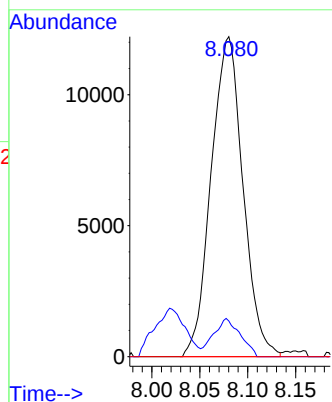


#36
1,1-Dichloropropene
Concen: 5.219 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Instrument :
MSVOA_N
ClientSampled :

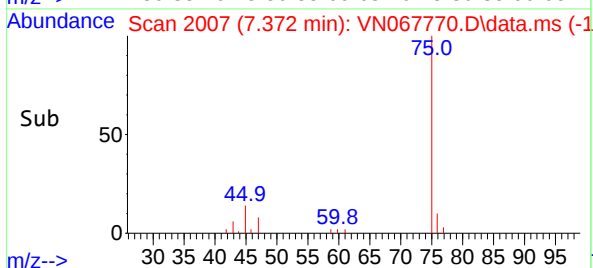
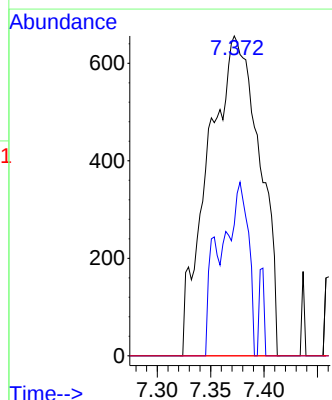
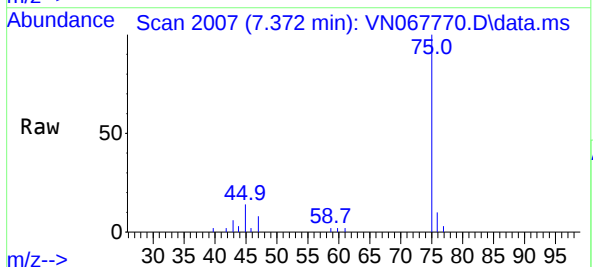


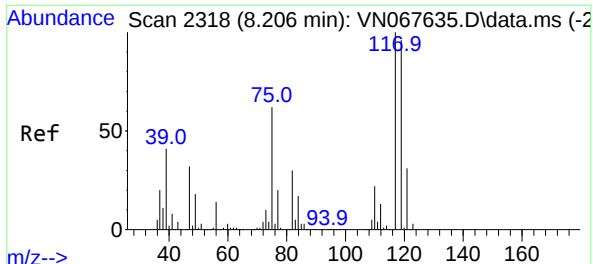
Tgt Ion: 75 Resp: 28231
Ion Ratio Lower Upper
75 100
110 10.0 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.419 ug/l
RT: 7.372 min Scan# 2007
Delta R.T. -0.046 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

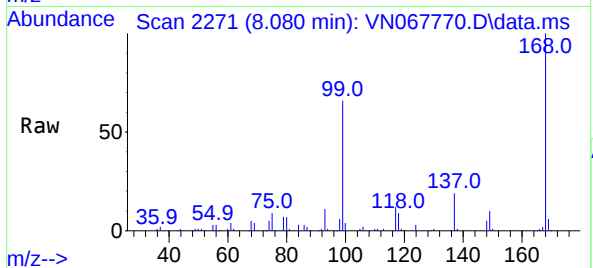
Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
61 21.7 10.6 16.0#
70 0.0 8.1 12.1#



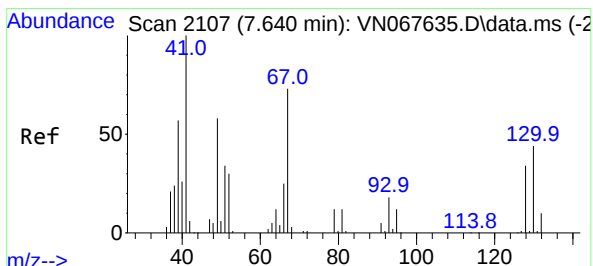
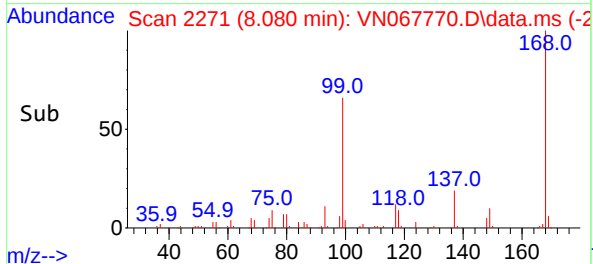
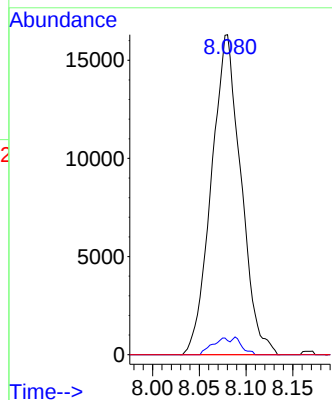


#38
Carbon Tetrachloride
Concen: 6.744 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Instrument :
MSVOA_N
ClientSampled :

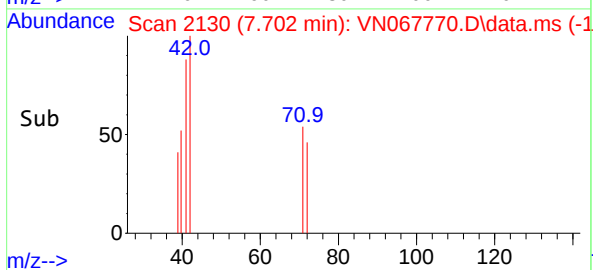
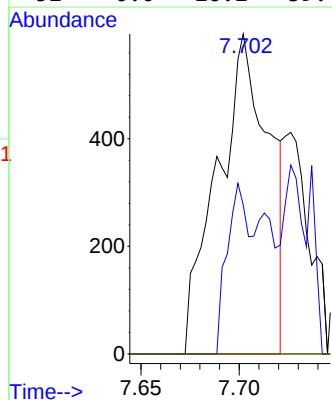
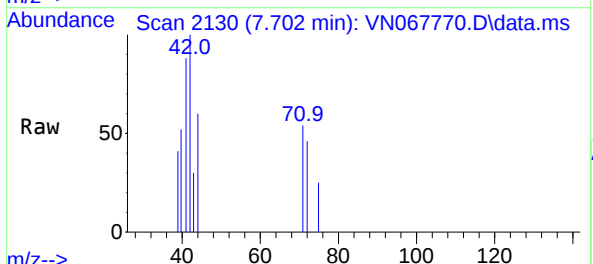


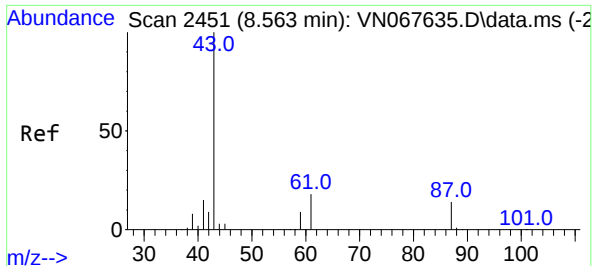
Tgt Ion:117 Resp: 35984
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.402 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.062 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 41 Resp: 1082
Ion Ratio Lower Upper
41 100
39 24.4 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

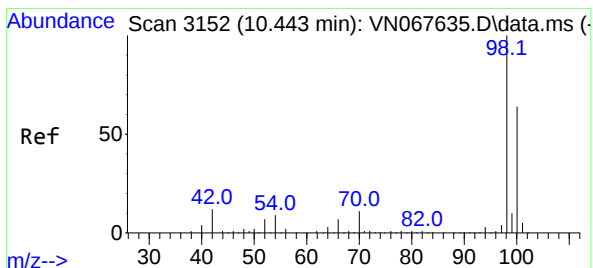
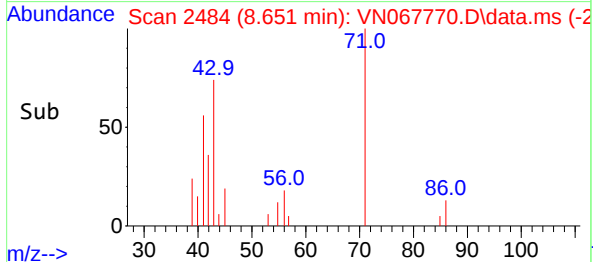
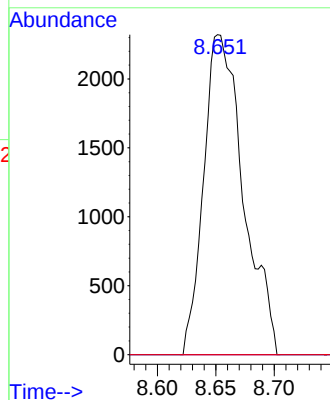
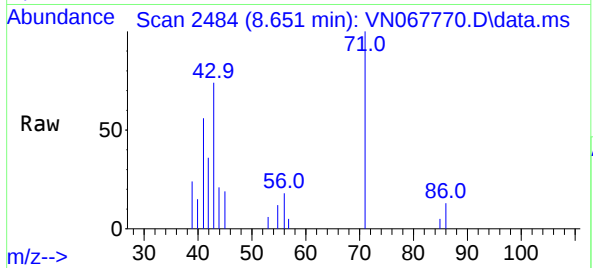




#43
Isopropyl Acetate
Concen: 0.596 ug/l
RT: 8.651 min Scan# 2484
Delta R.T. 0.088 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

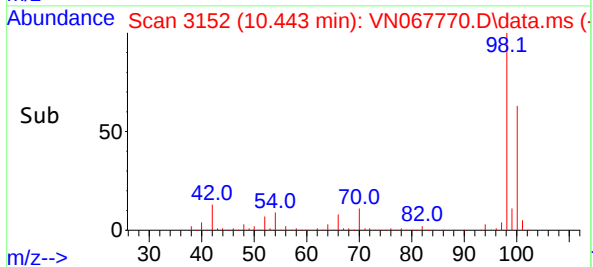
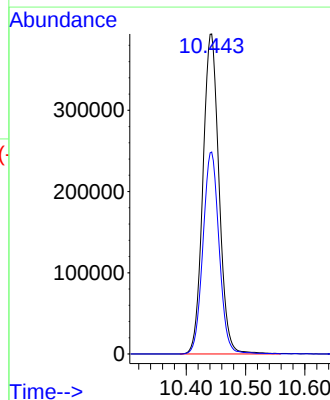
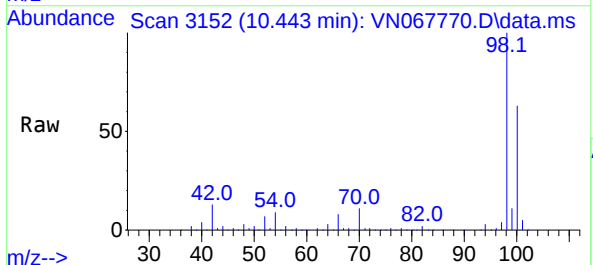
Instrument :
MSVOA_N
ClientSampled :

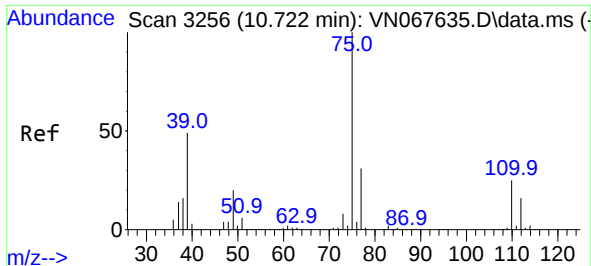
Tgt Ion: 43 Resp: 5499
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.409 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 98 Resp: 742382
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

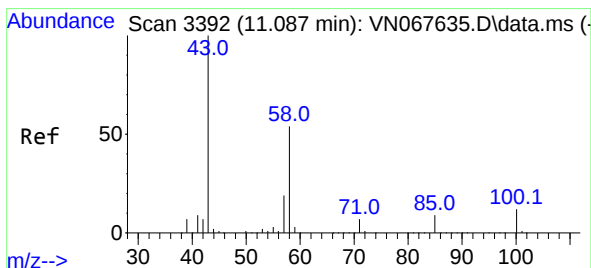
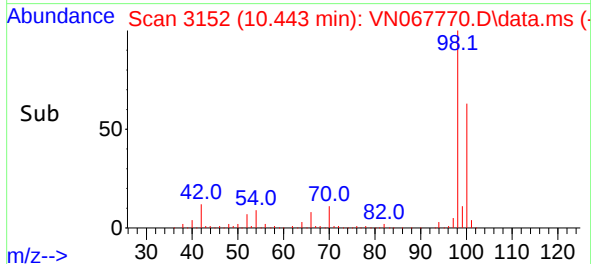
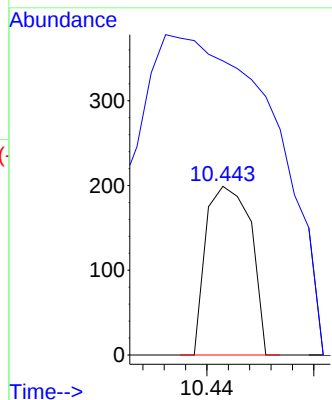
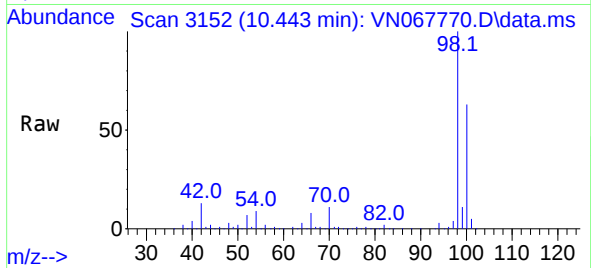




#53
t-1,3-Dichloropropene
Concen: 1.761 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

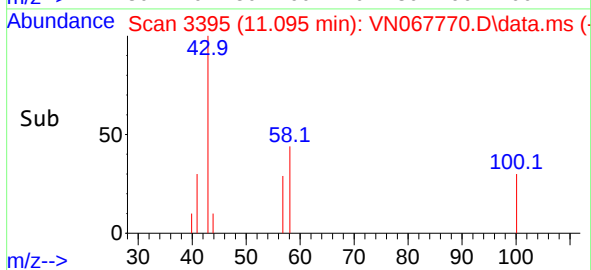
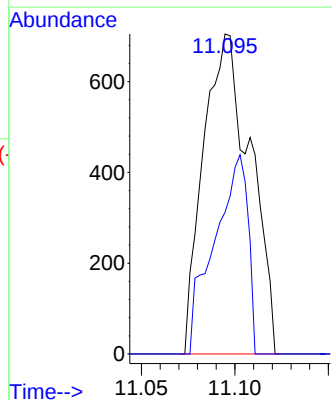
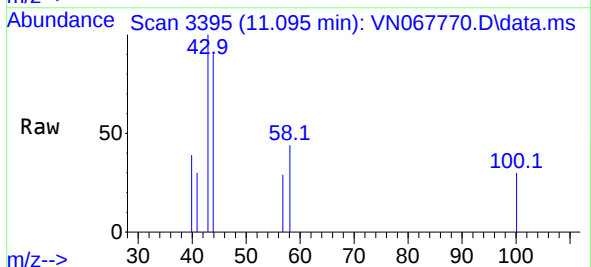
Instrument :
MSVOA_N
ClientSampled :

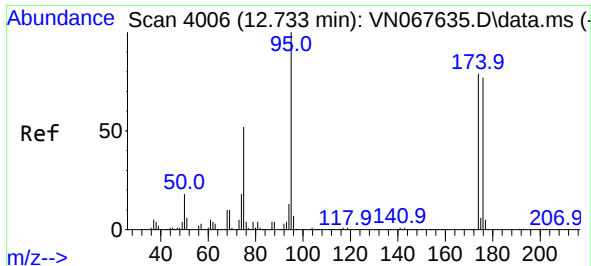
Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
77 40.7 25.1 37.7#



#59
2-Hexanone
Concen: 0.311 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
58 44.7 24.7 74.1

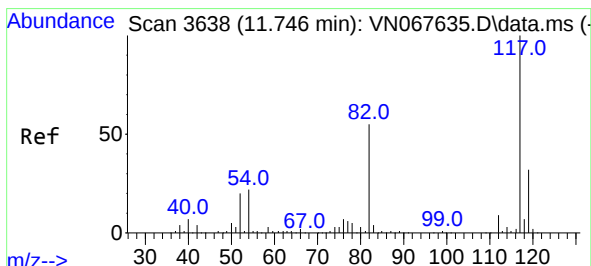
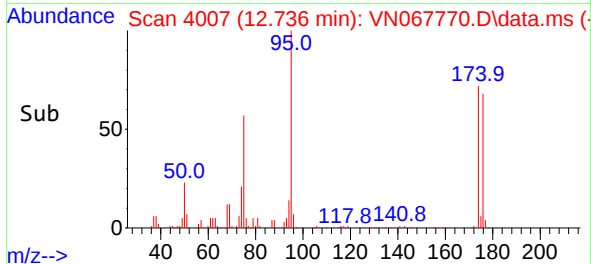
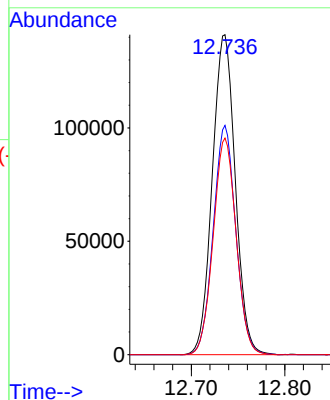
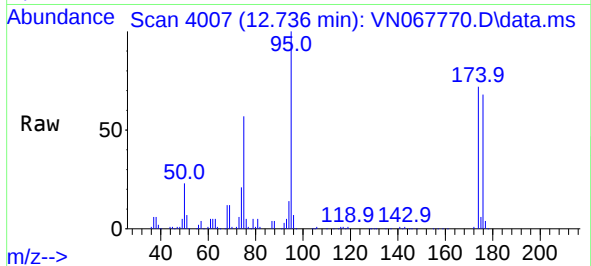




#62
4-Bromofluorobenzene
Concen: 46.423 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

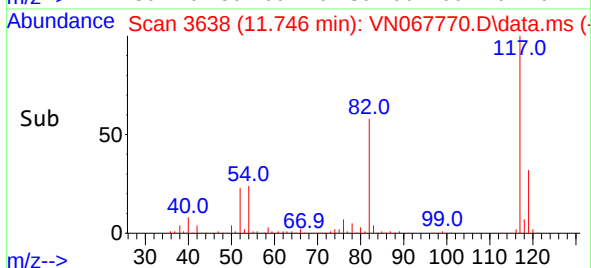
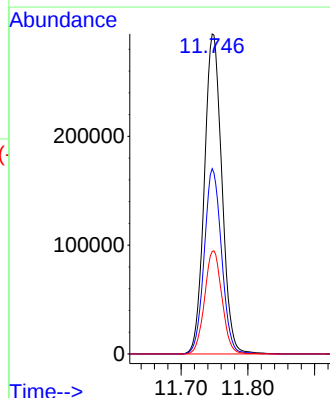
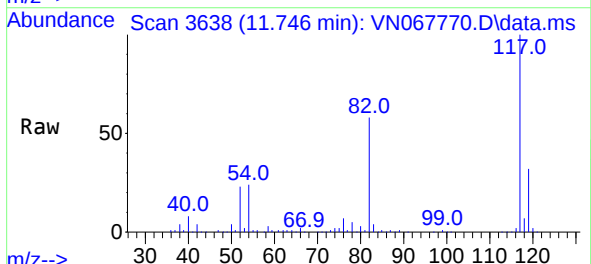
Instrument :
MSVOA_N
ClientSampled :

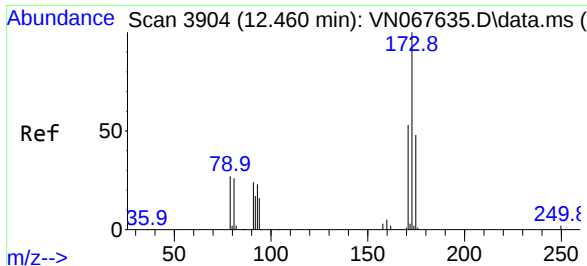
Tgt Ion: 95 Resp: 241517
Ion Ratio Lower Upper
95 100
174 70.3 0.0 122.0
176 67.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion: 117 Resp: 535896
Ion Ratio Lower Upper
117 100
82 57.9 53.1 79.7
119 32.0 25.5 38.3

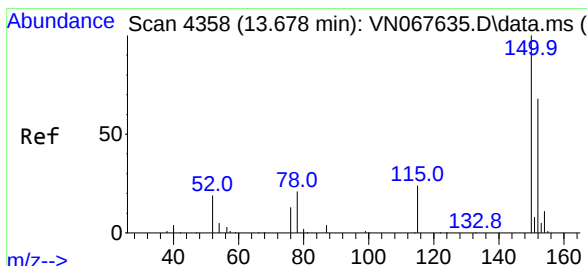
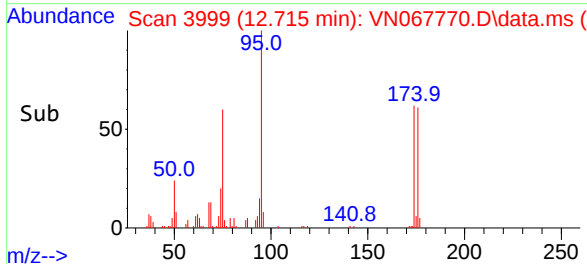
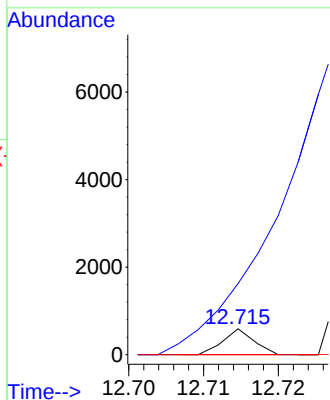
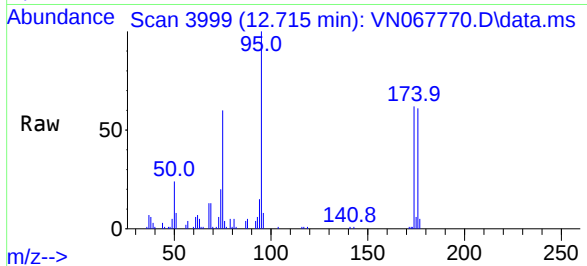




#71
Bromoform
Concen: 3.222 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

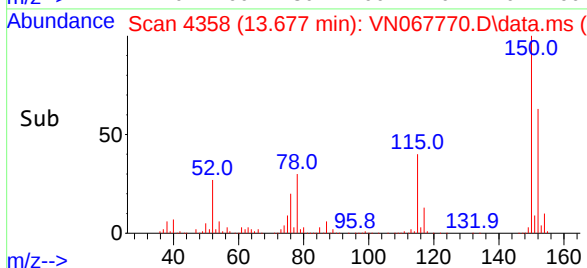
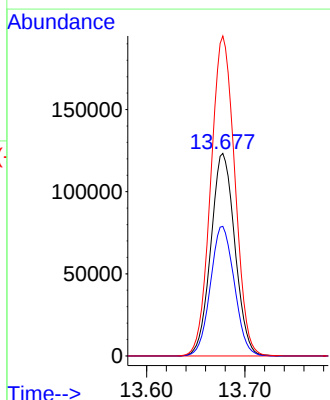
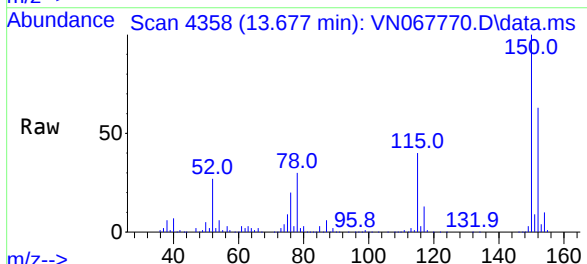
Instrument :
MSVOA_N
ClientSampled :

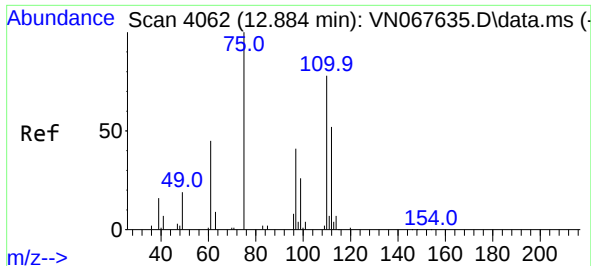
Tgt Ion:173 Resp: 170
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Tgt Ion:152 Resp: 209301
Ion Ratio Lower Upper
152 100
115 63.8 36.1 108.5
150 158.2 0.0 351.8

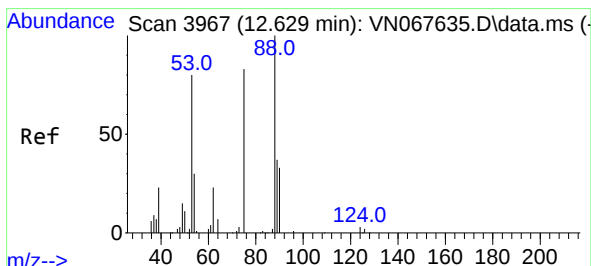
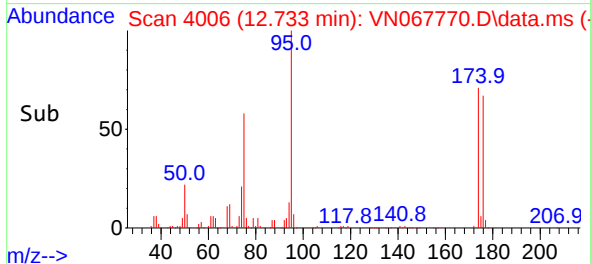
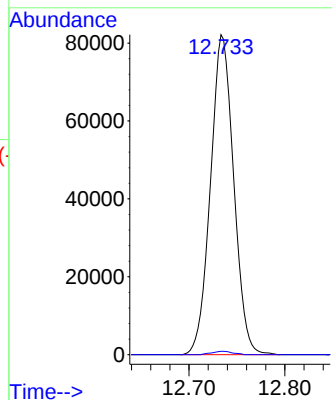
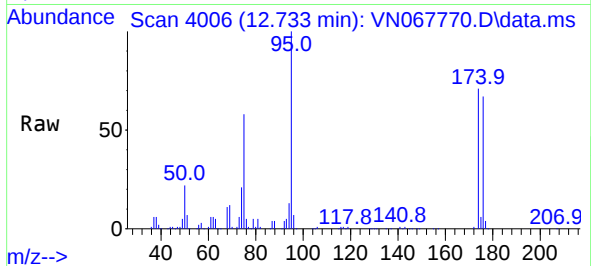




#76
1,2,3-Trichloropropane
Concen: 32.305 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

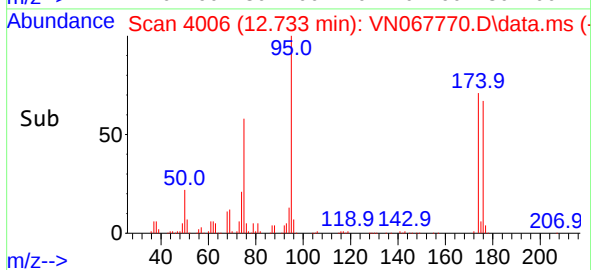
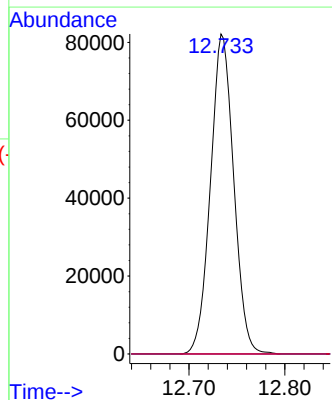
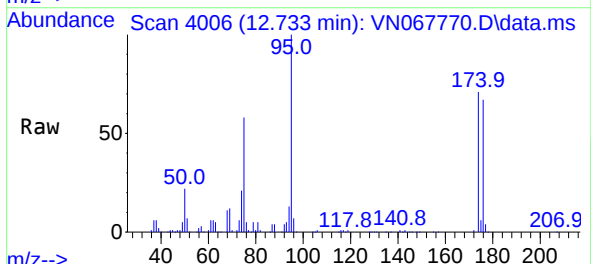
Instrument :
MSVOA_N
ClientSampled :

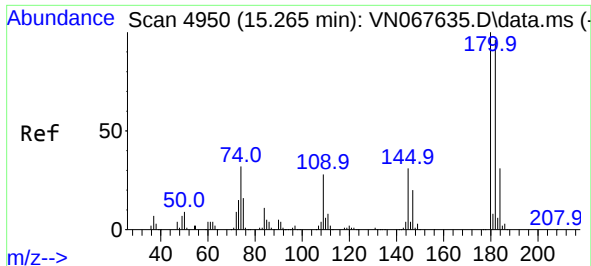
Tgt Ion: 75 Resp: 138080
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.154 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

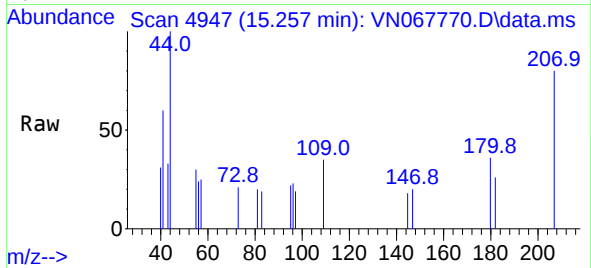
Tgt Ion: 75 Resp: 138080
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



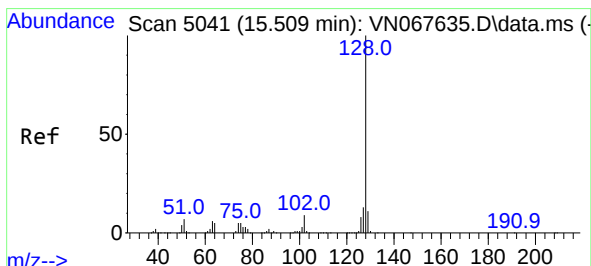
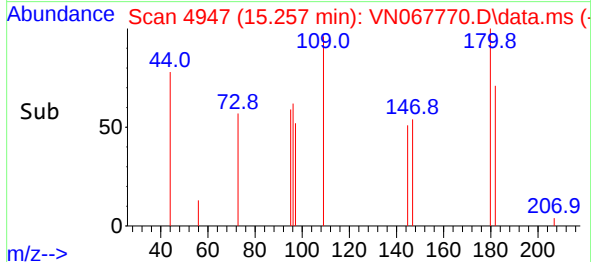
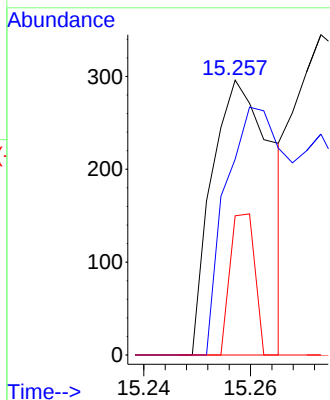


#93
1,2,4-Trichlorobenzene
Concen: 2.737 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

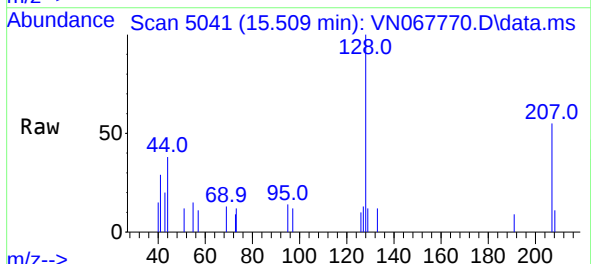
Instrument :
MSVOA_N
ClientSampled :



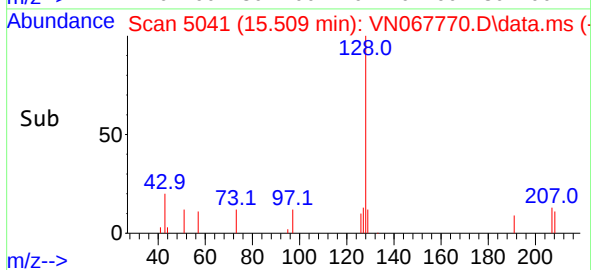
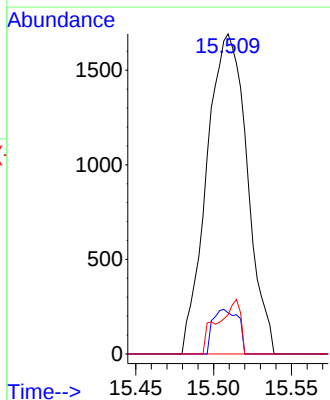
Tgt Ion:180 Resp: 232
Ion Ratio Lower Upper
180 100
182 93.1 47.5 142.5
145 21.1 17.2 51.6

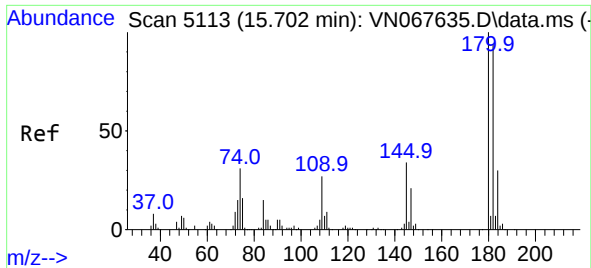


#95
Naphthalene
Concen: 3.292 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58



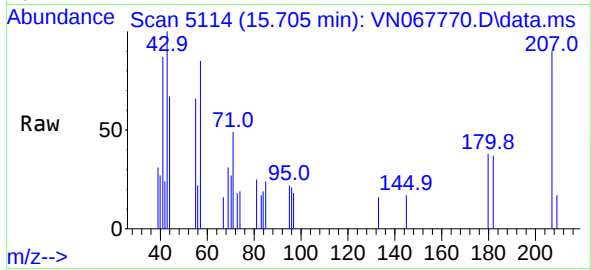
Tgt Ion:128 Resp: 3050
Ion Ratio Lower Upper
128 100
127 8.7 10.6 15.8#
129 9.6 8.6 12.8





#96
1,2,3-Trichlorobenzene
Concen: 2.788 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067770.D
Acq: 16 Jul 2021 13:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 548
Ion Ratio Lower Upper
180 100
182 104.6 47.8 143.3
145 15.0 18.2 54.6#

