

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067768.D
 Acq On : 16 Jul 2021 12:06
 Operator : JC/MD
 Sample : VN07165MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 16 14:01:29 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)

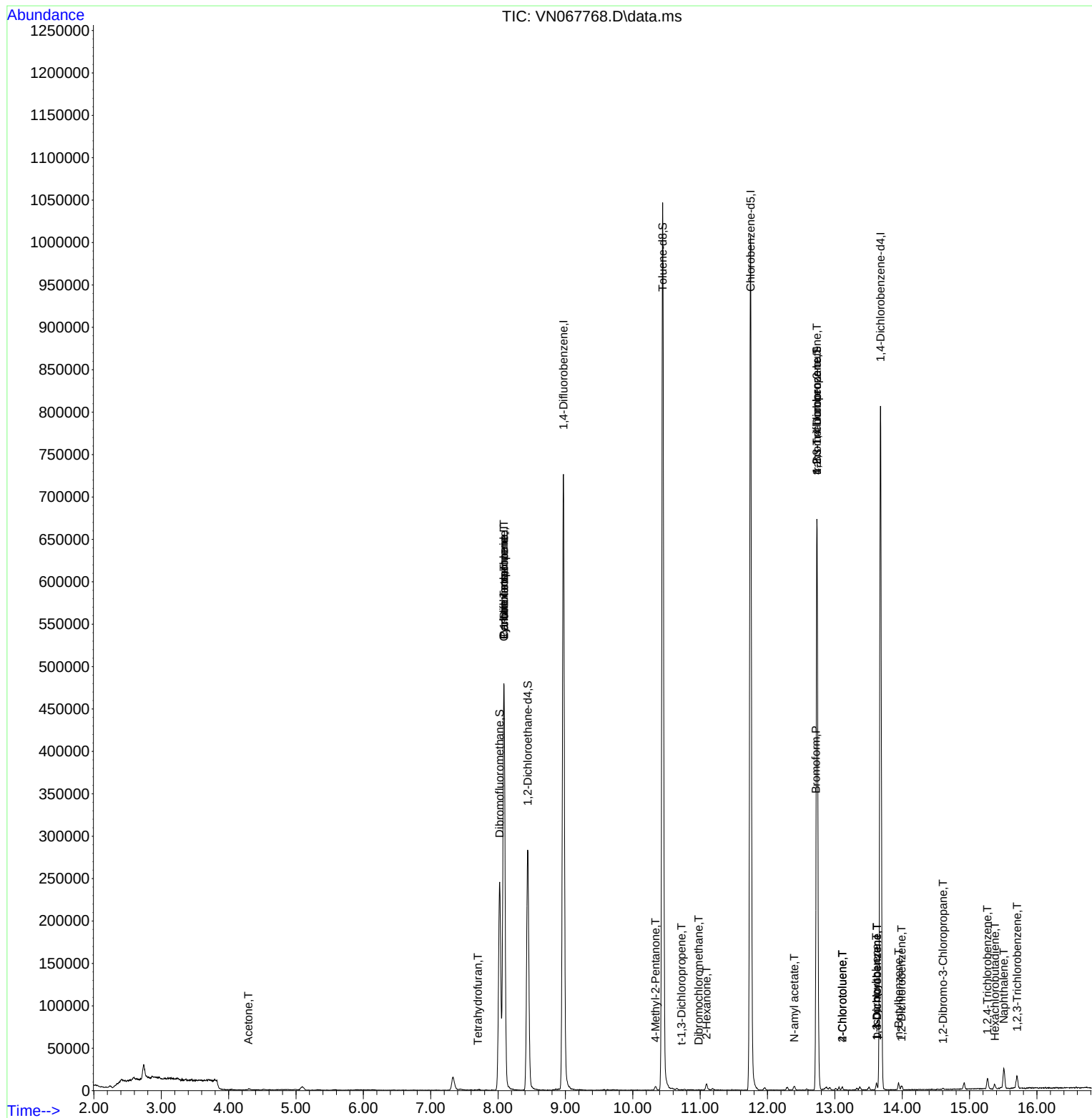
Internal Standards						
1) Pentafluorobenzene	8.086	168	346656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	640507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	584147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	204045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	242416	46.271	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.540%		
35) Dibromofluoromethane	8.024	113	178384	46.097	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.200%		
50) Toluene-d8	10.443	98	738732	45.606	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.220%		
62) 4-Bromofluorobenzene	12.733	95	235634	41.180	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	82.360%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.813	94	119	Below Cal	#	4
6) Chloroethane	3.006	64	81	Below Cal	#	1
13) Acrolein	4.044	56	537	Below Cal	#	52
16) Acetone	4.293	43	953	0.578	ug/l #	61
20) Methylene Chloride	5.087	84	1622	Below Cal	#	91
29) Tetrahydrofuran	7.702	42	370	0.206	ug/l #	63
31) Cyclohexane	8.088	56	9342	1.272	ug/l #	29
36) 1,1-Dichloropropene	8.086	75	31904	5.362	ug/l #	53
38) Carbon Tetrachloride	8.086	117	37338	6.362	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	3350	0.538	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	292	1.782	ug/l #	58
59) 2-Hexanone	11.095	43	5849	1.345	ug/l	97
60) Dibromochloromethane	10.979	129	54	2.366	ug/l #	11
71) Bromoform	12.720	173	181	3.221	ug/l #	1
74) N-amyl acetate	12.398	43	3280	0.549	ug/l #	72
76) 1,2,3-Trichloropropane	12.733	75	132453	31.786	ug/l #	100
79) 2-Chlorotoluene	13.112	91	2946	0.262	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.733	75	132453	102.483	ug/l #	6
82) 4-Chlorotoluene	13.112	91	2946	0.265	ug/l	98
86) p-Isopropyltoluene	13.616	119	2633	0.207	ug/l	89
87) 1,3-Dichlorobenzene	13.624	146	2230	0.330	ug/l	91
88) 1,4-Dichlorobenzene	13.624	146	2230	0.322	ug/l	93
89) n-Butylbenzene	13.946	91	4940	0.453	ug/l	96
91) 1,2-Dichlorobenzene	13.989	146	2386	0.366	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.605	75	485	0.584	ug/l	62
93) 1,2,4-Trichlorobenzene	15.265	180	3741	3.716	ug/l	92
94) Hexachlorobutadiene	15.378	225	1295	0.945	ug/l	77
95) Naphthalene	15.507	128	22685	5.146	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	4920	4.063	ug/l	85

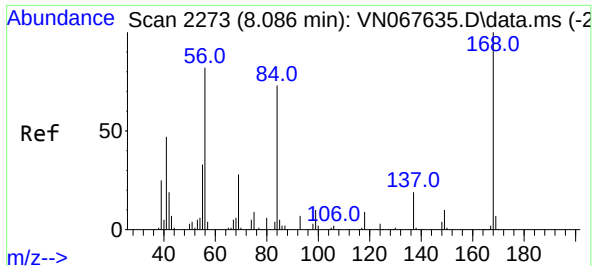
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
Data File : VN067768.D
Acq On : 16 Jul 2021 12:06
Operator : JC/MD
Sample : VN07165MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Jul 16 14:01:29 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

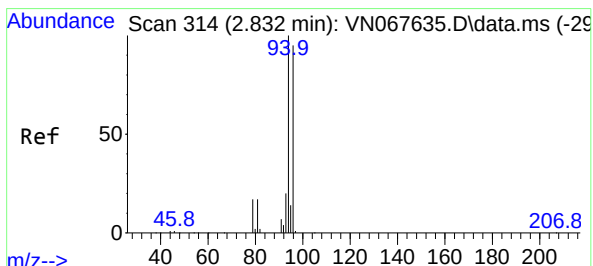
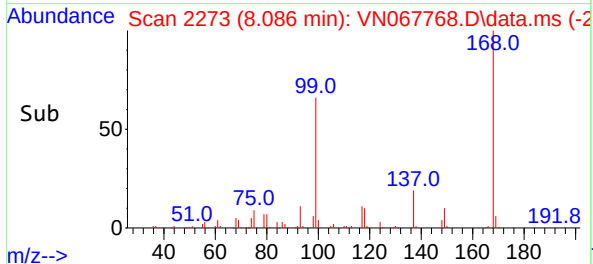
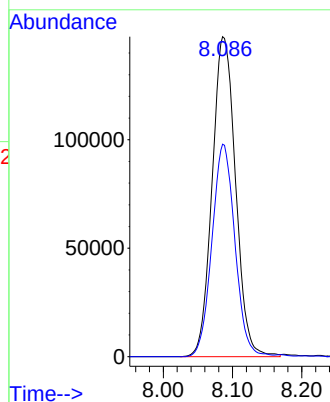
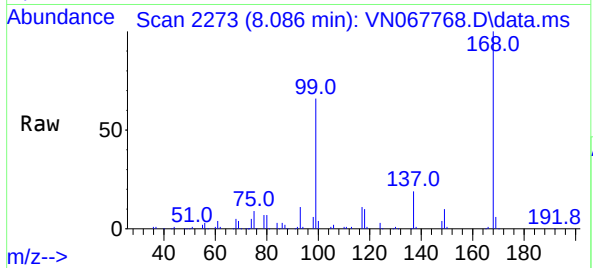




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

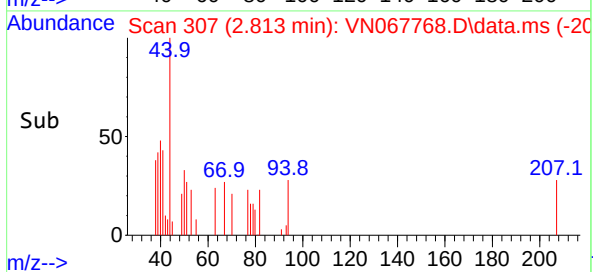
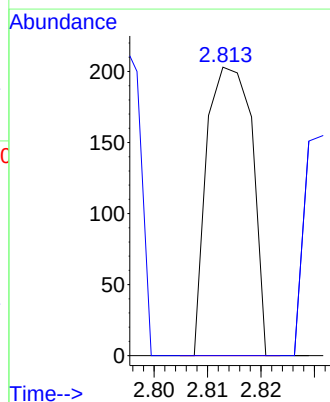
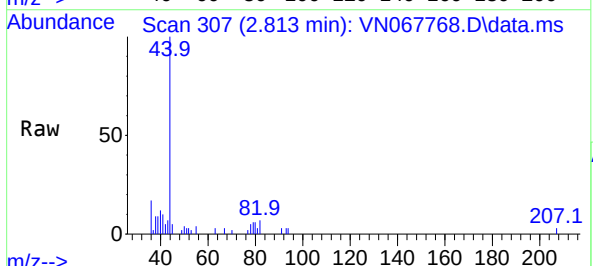
Instrument :
MSVOA_N
ClientSampleId :

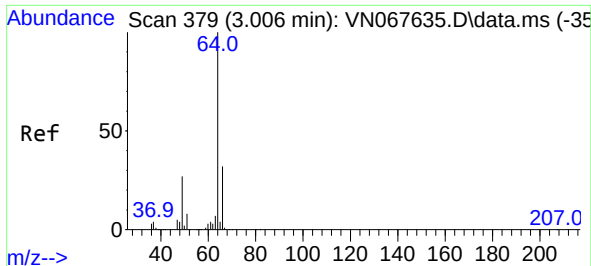
Tgt Ion:168 Resp: 346656
Ion Ratio Lower Upper
168 100
99 66.4 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.813 min Scan# 307
Delta R.T. -0.019 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

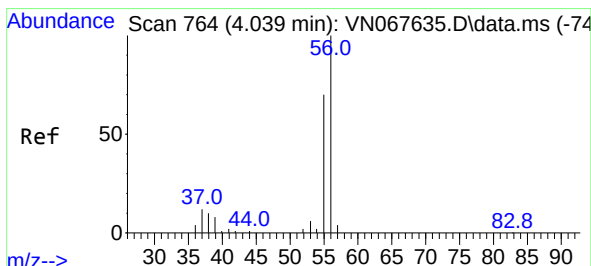
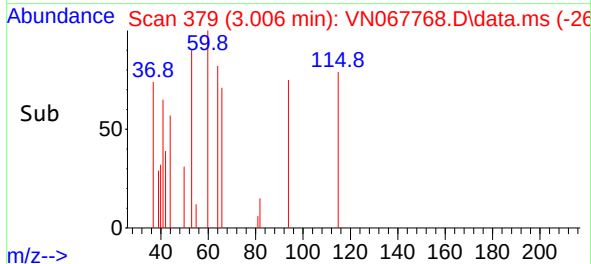
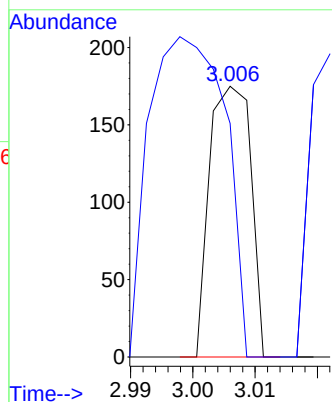
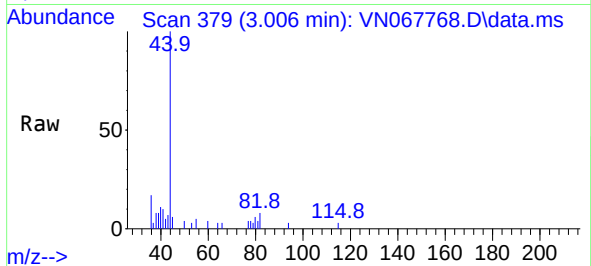




#6
Chloroethane
Concen: Below Cal
RT: 3.006 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

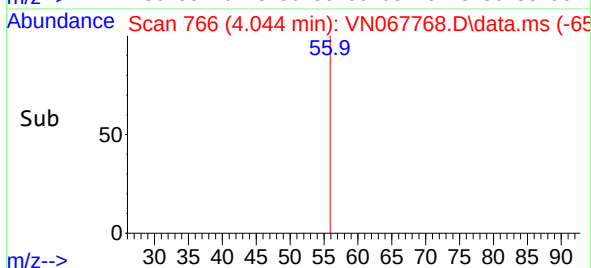
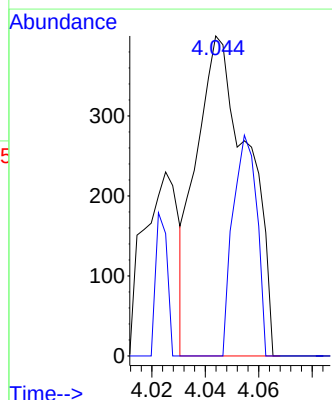
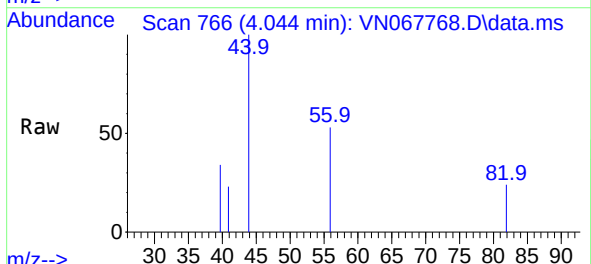
Instrument :
MSVOA_N
ClientSampled :

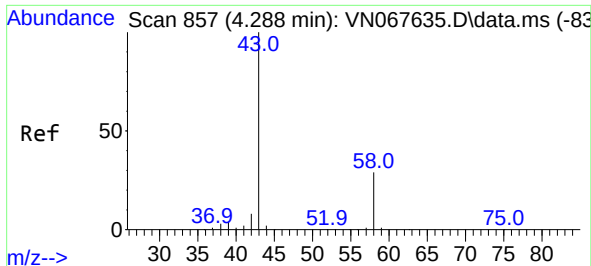
Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 86.3 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 56 Resp: 537
Ion Ratio Lower Upper
56 100
55 31.8 57.4 86.0#

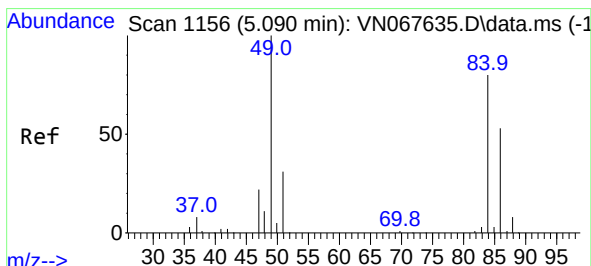
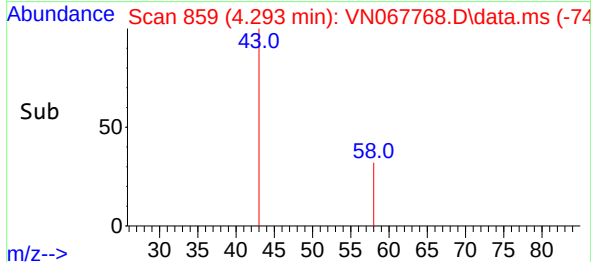
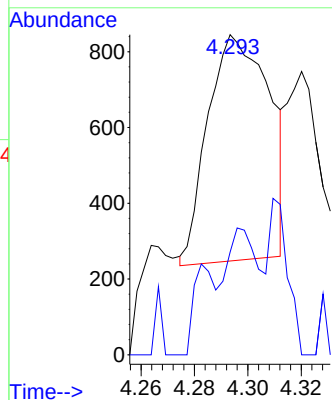
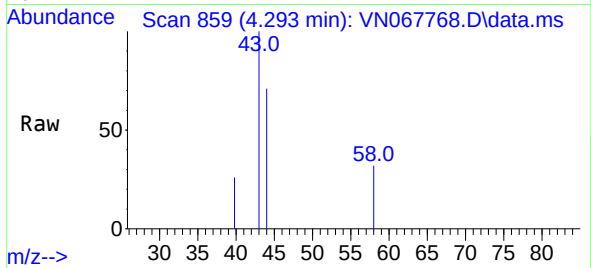




#16
Acetone
Concen: 0.578 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

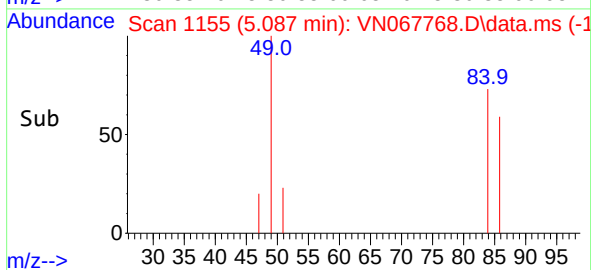
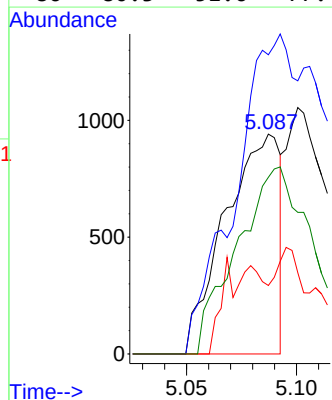
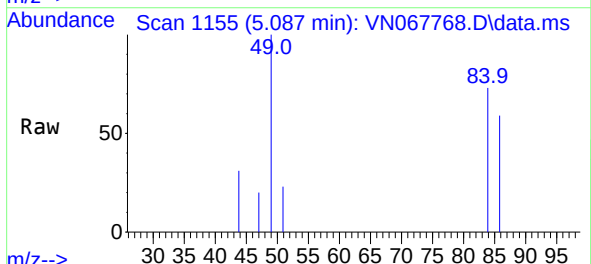
Instrument :
MSVOA_N
ClientSampled :

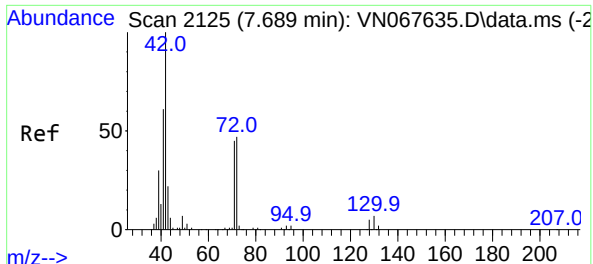
Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 46.3 21.2 31.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.087 min Scan# 1155
Delta R.T. -0.003 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 84 Resp: 1622
Ion Ratio Lower Upper
84 100
49 136.1 110.9 166.3
51 31.1 32.6 49.0#
86 80.3 51.6 77.4#





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 7.702 min Scan# 2130

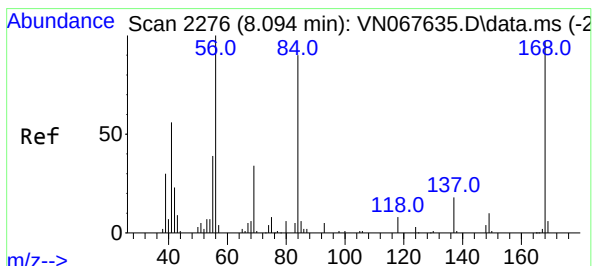
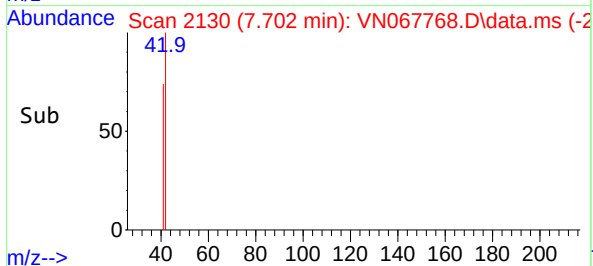
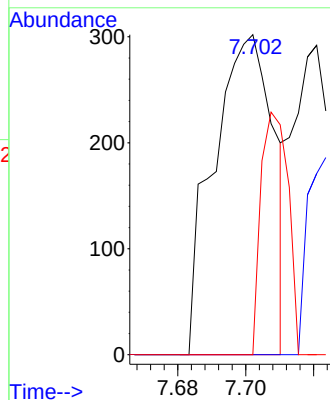
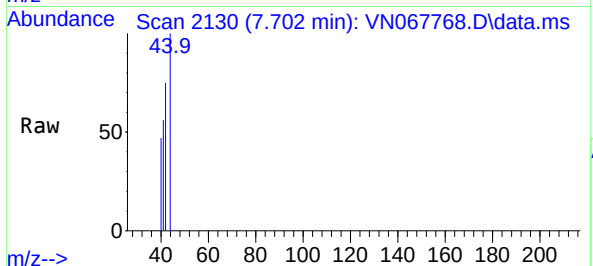
Delta R.T. 0.013 min

Lab File: VN067768.D

Acq: 16 Jul 2021 12:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	370
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	34.3	31.2	46.8



#31

Cyclohexane

Concen: 1.272 ug/l

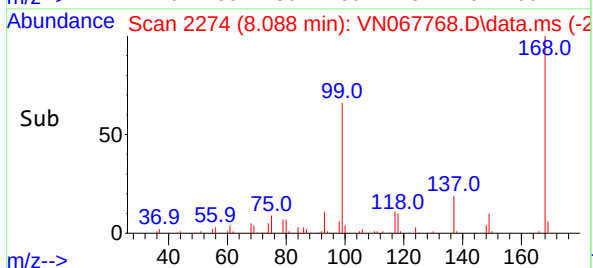
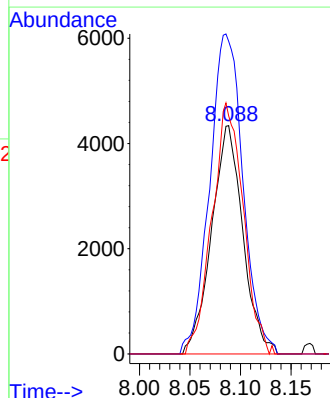
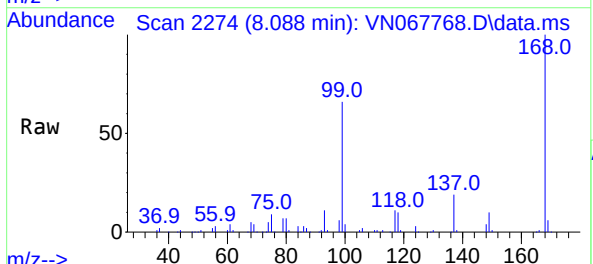
RT: 8.088 min Scan# 2274

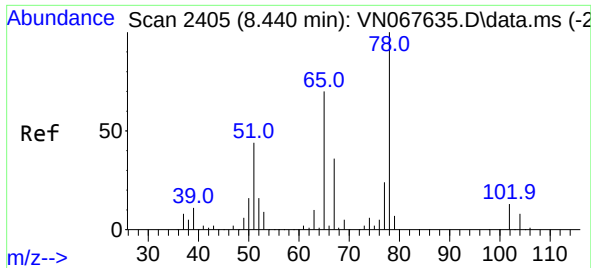
Delta R.T. -0.006 min

Lab File: VN067768.D

Acq: 16 Jul 2021 12:06

Tgt Ion:	56	Resp:	9342
Ion	Ratio	Lower	Upper
56	100		
69	136.9	27.3	40.9#
84	104.2	64.9	97.3#

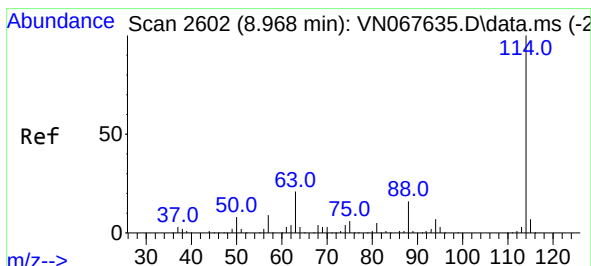
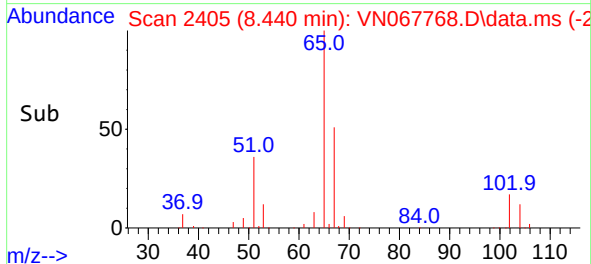
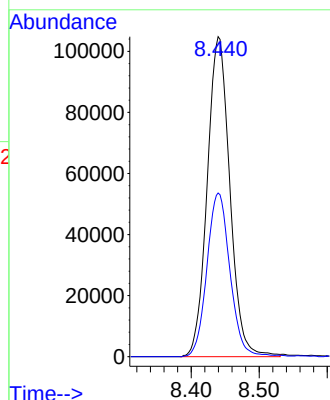
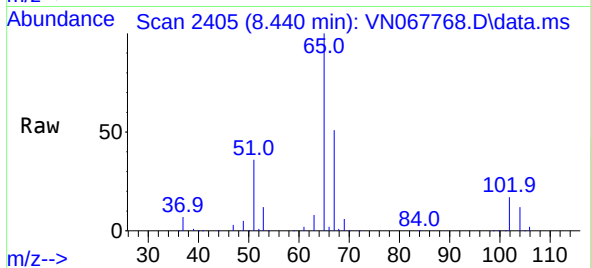




#33
1,2-Dichloroethane-d4
Concen: 46.271 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

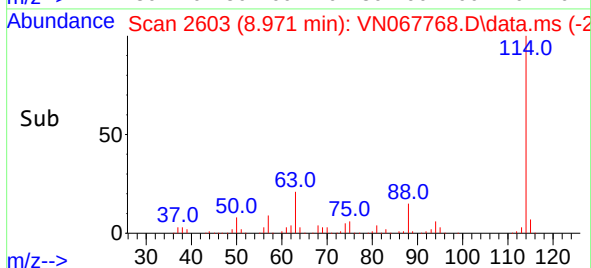
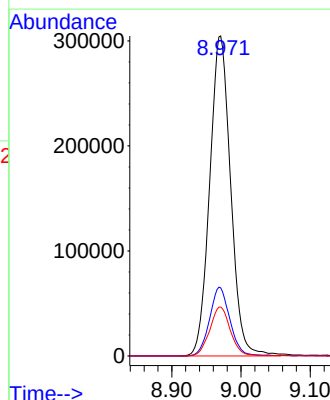
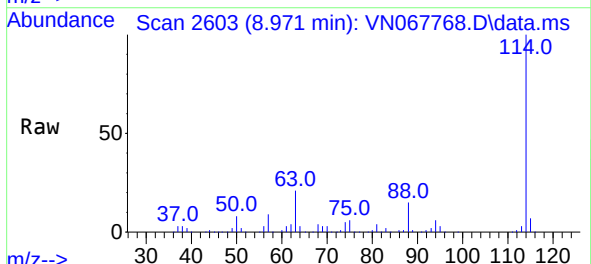
Instrument :
MSVOA_N
ClientSampled :

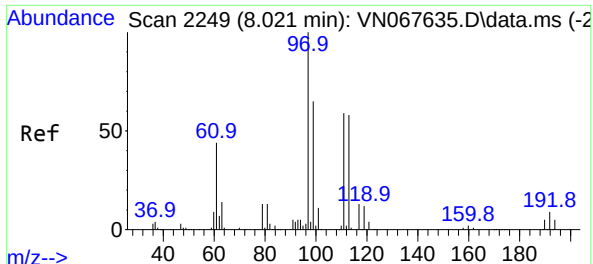
Tgt Ion: 65 Resp: 242416
Ion Ratio Lower Upper
65 100
67 51.9 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 114 Resp: 640507
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 15.3 0.0 36.6

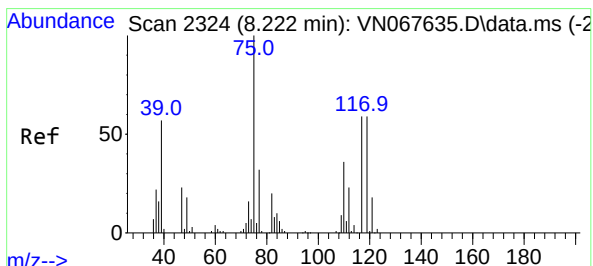
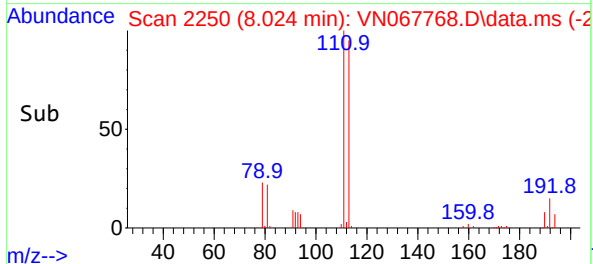
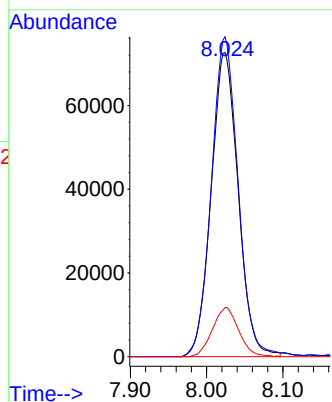
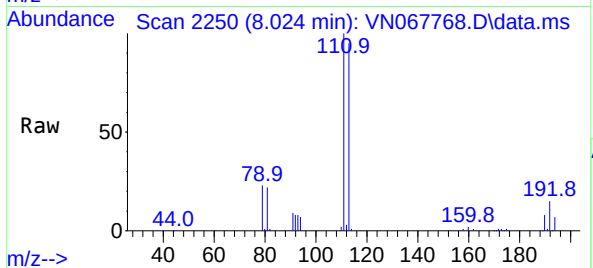




#35
Dibromofluoromethane
Concen: 46.097 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

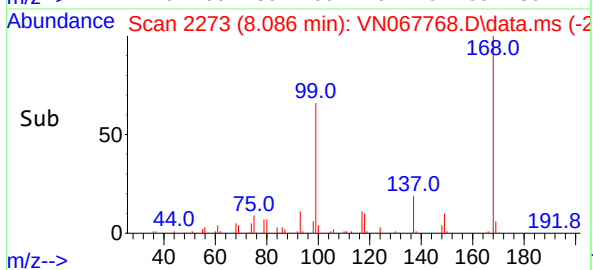
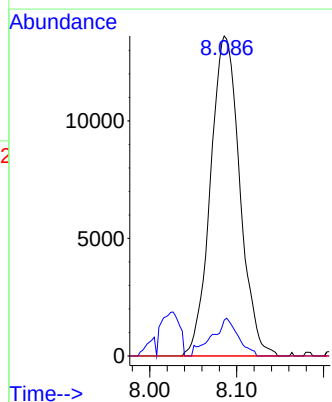
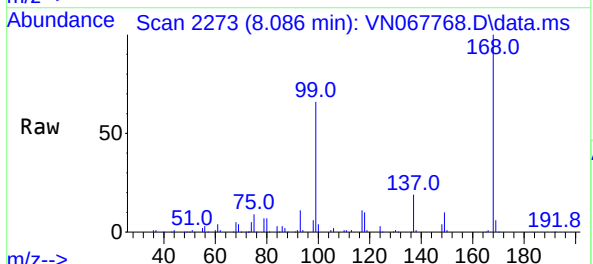
Instrument :
MSVOA_N
ClientSampled :

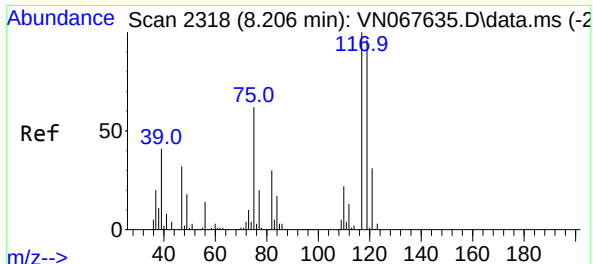
Tgt Ion:113 Resp: 178384
Ion Ratio Lower Upper
113 100
111 104.5 83.8 125.8
192 15.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.362 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

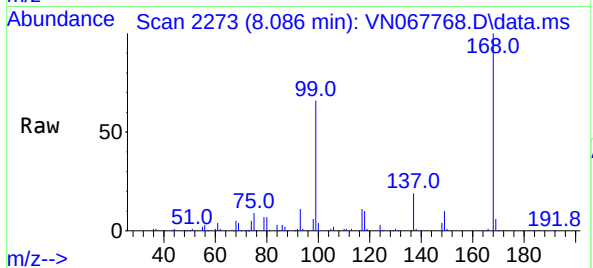
Tgt Ion: 75 Resp: 31904
Ion Ratio Lower Upper
75 100
110 10.5 15.7 47.0#
77 0.0 24.6 37.0#



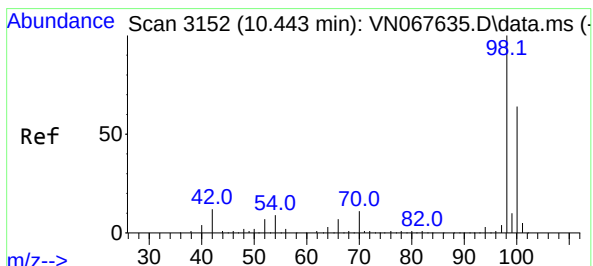
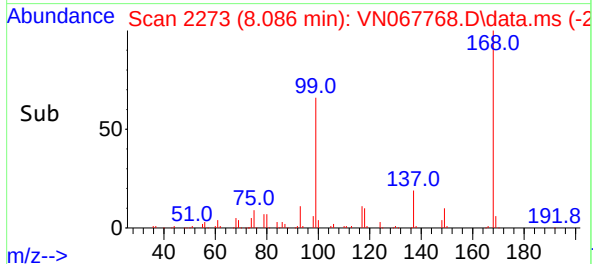
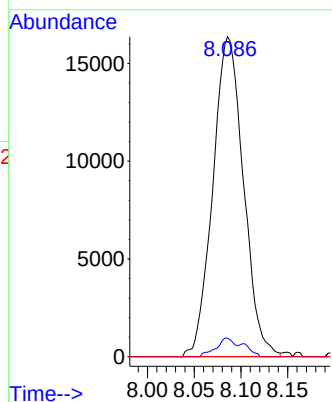


#38
Carbon Tetrachloride
Concen: 6.362 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Instrument :
MSVOA_N
ClientSampleId :

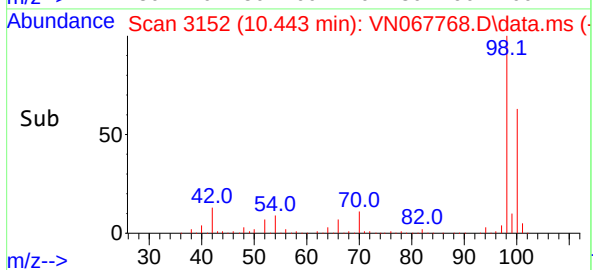
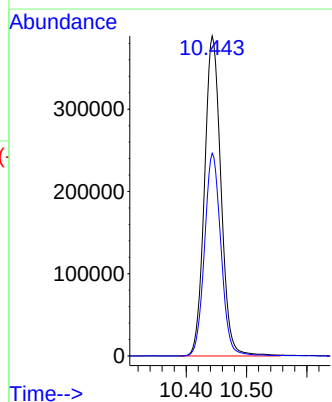
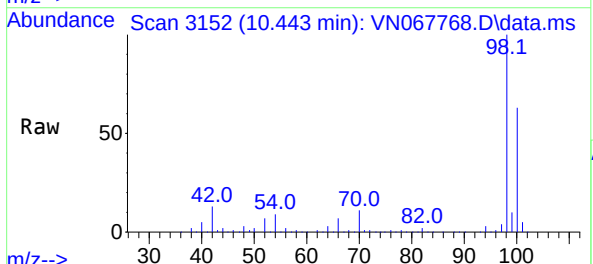


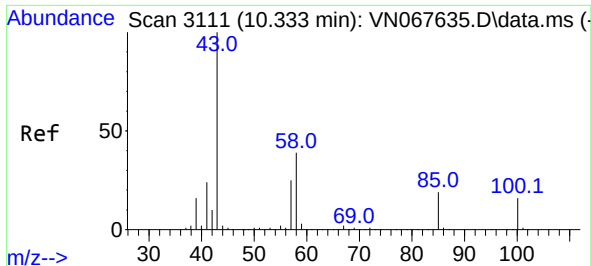
Tgt Ion:117 Resp: 37338
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 45.606 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 98 Resp: 738732
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

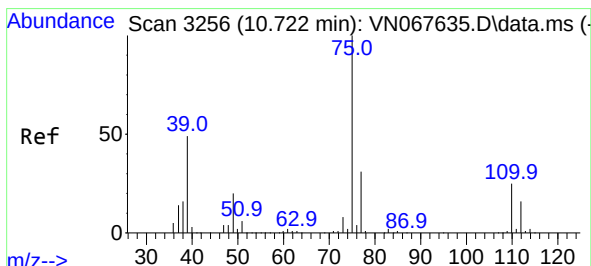
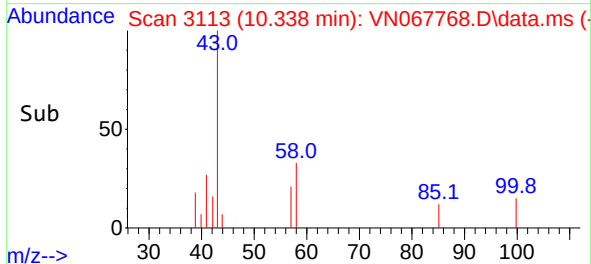
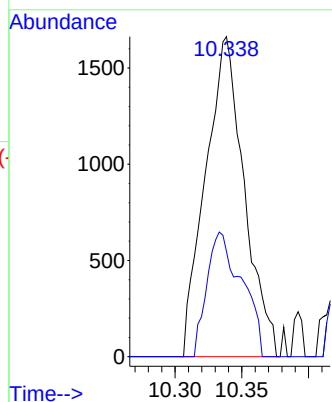
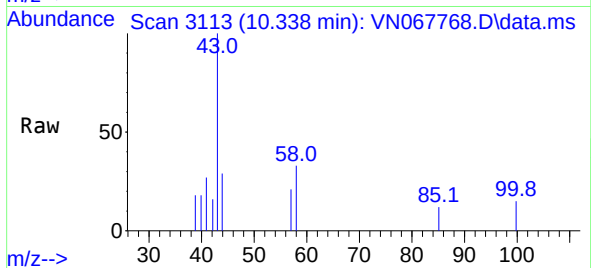




#51
4-Methyl-2-Pentanone
Concen: 0.538 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

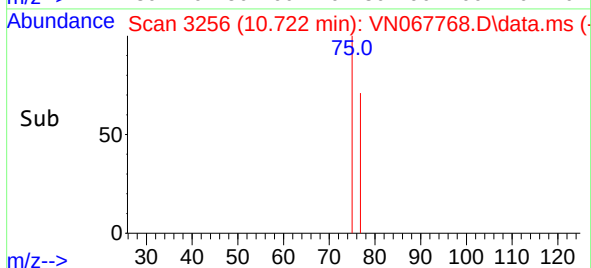
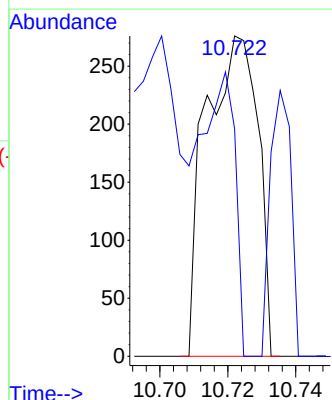
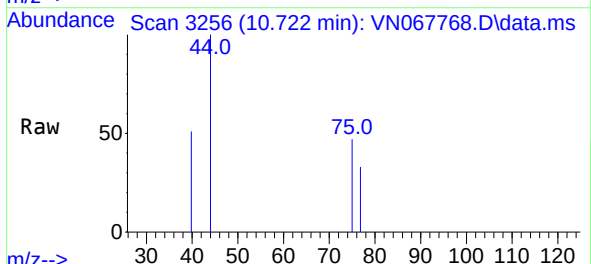
Instrument :
MSVOA_N
ClientSampled :

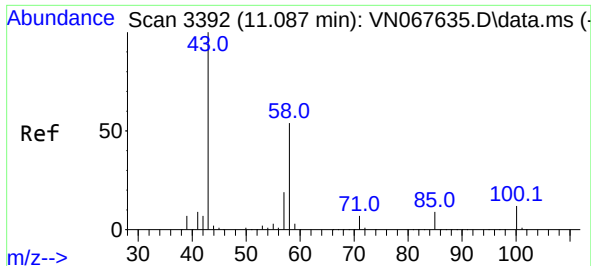
Tgt Ion: 43 Resp: 3350
Ion Ratio Lower Upper
43 100
58 35.0 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.782 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. -0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 75 Resp: 292
Ion Ratio Lower Upper
75 100
77 8.0 25.1 37.7#

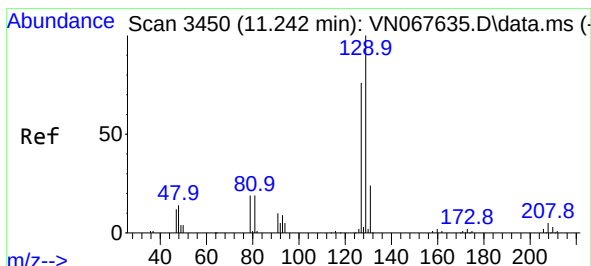
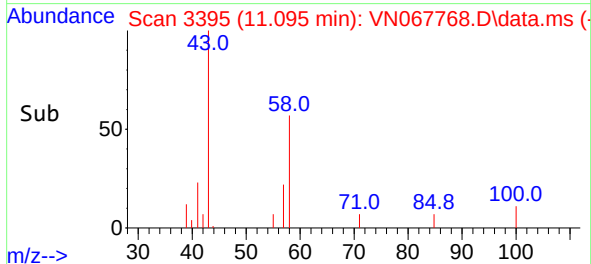
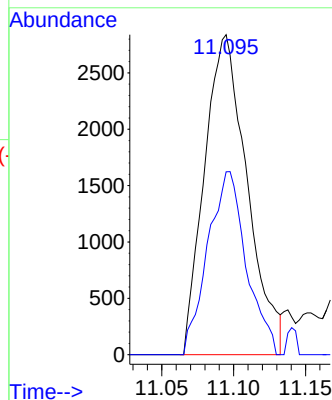
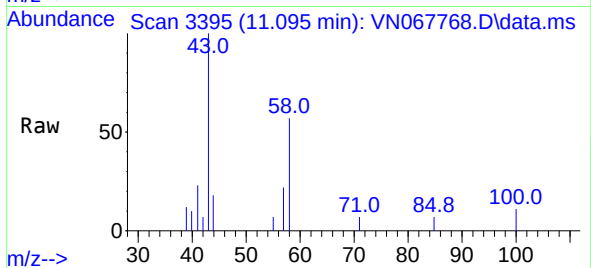




#59
2-Hexanone
Concen: 1.345 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

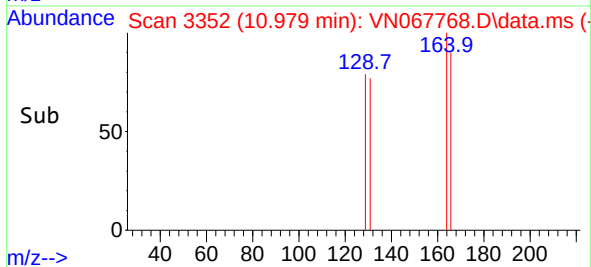
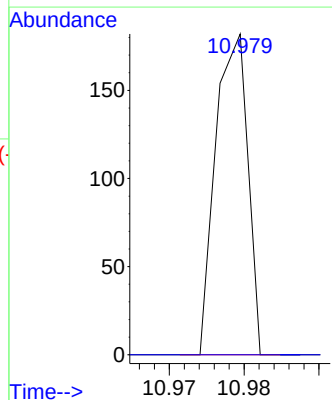
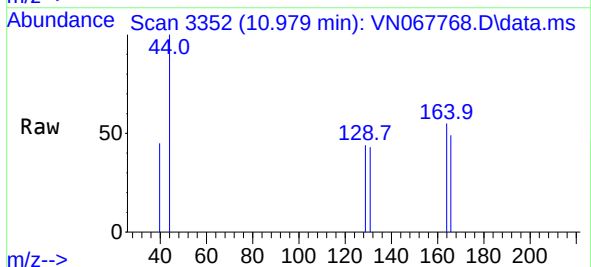
Instrument :
MSVOA_N
ClientSampled :

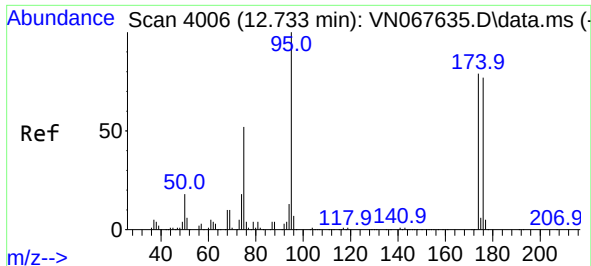
Tgt Ion: 43 Resp: 5849
Ion Ratio Lower Upper
43 100
58 51.7 24.7 74.1



#60
Dibromochloromethane
Concen: 2.366 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 129 Resp: 54
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

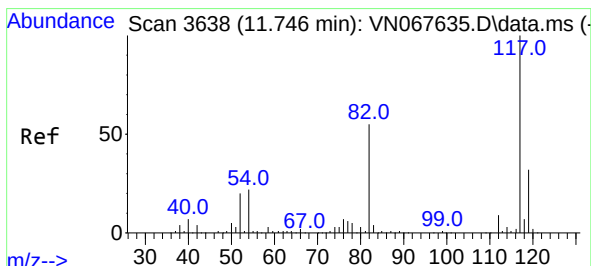
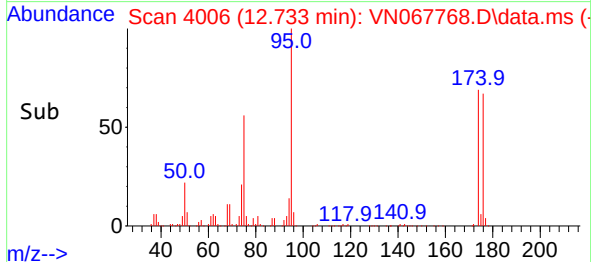
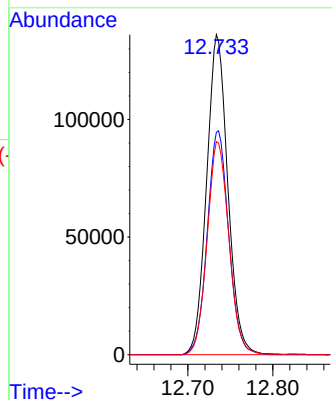
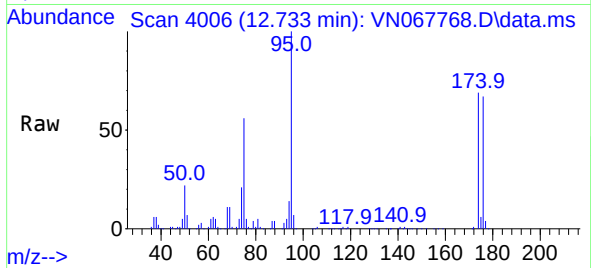




#62
4-Bromofluorobenzene
Concen: 41.180 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

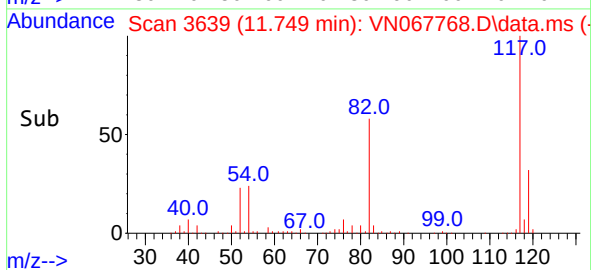
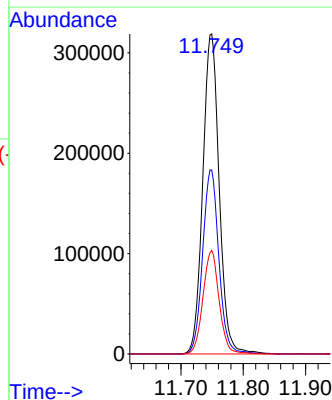
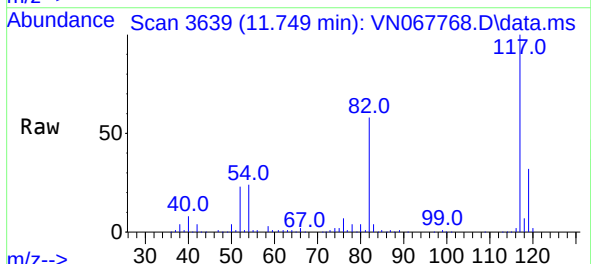
Instrument :
MSVOA_N
ClientSampleId :

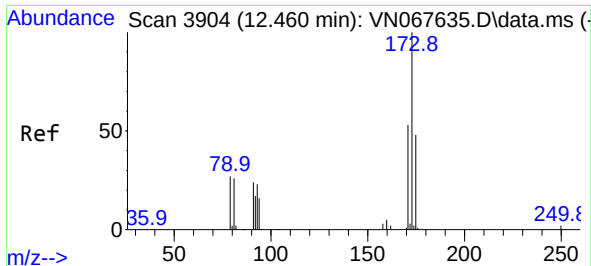
Tgt Ion: 95 Resp: 235634
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 68.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 117 Resp: 584147
Ion Ratio Lower Upper
117 100
82 57.5 53.1 79.7
119 32.3 25.5 38.3

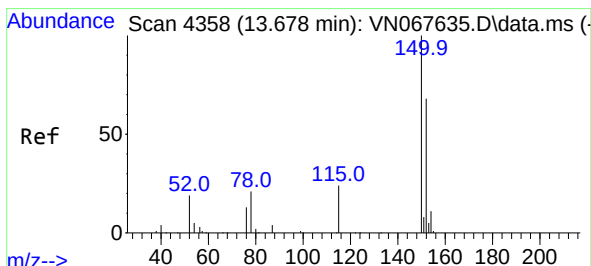
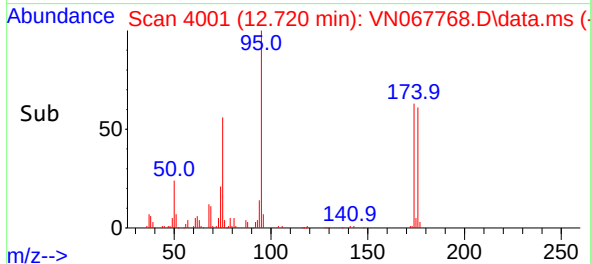
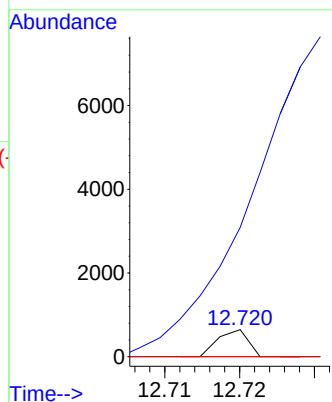
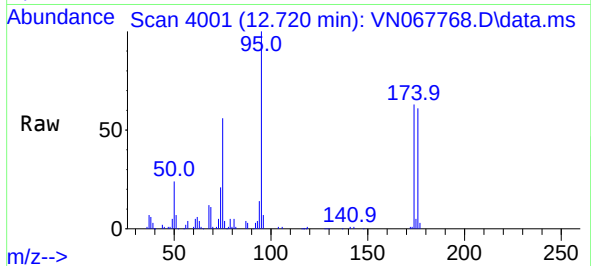




#71
Bromoform
Concen: 3.221 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

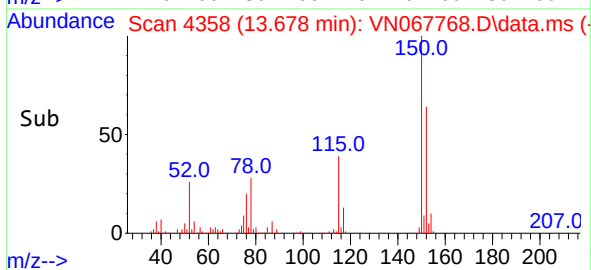
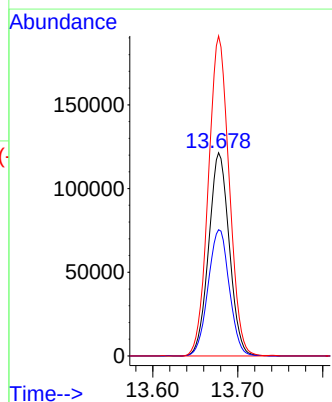
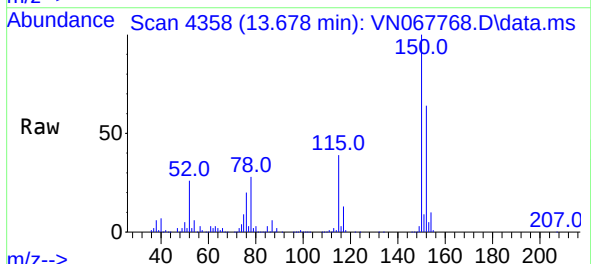
Instrument :
MSVOA_N
ClientSampled :

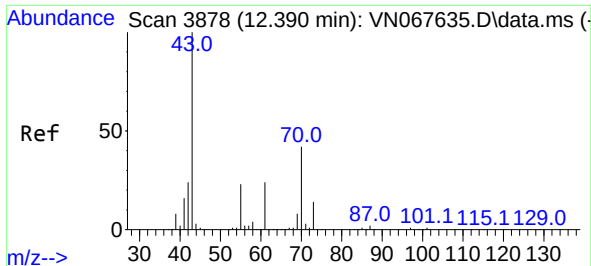
Tgt Ion:173 Resp: 181
Ion Ratio Lower Upper
173 100
175 6745.9 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion:152 Resp: 204045
Ion Ratio Lower Upper
152 100
115 64.1 36.1 108.5
150 159.3 0.0 351.8

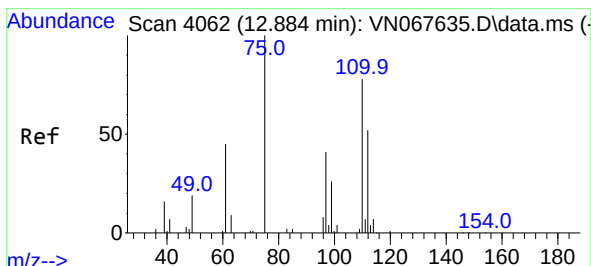
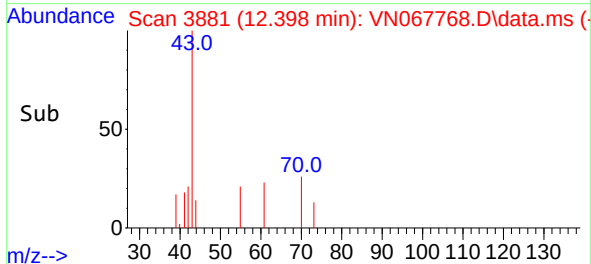
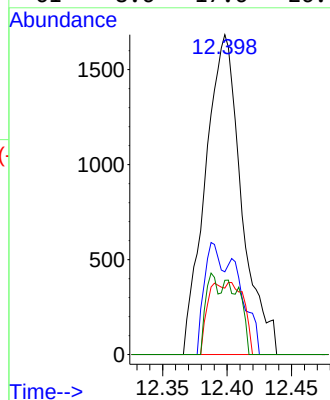
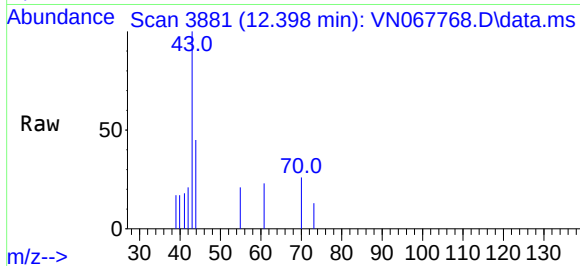




#74
N-amy1 acetate
Concen: 0.549 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

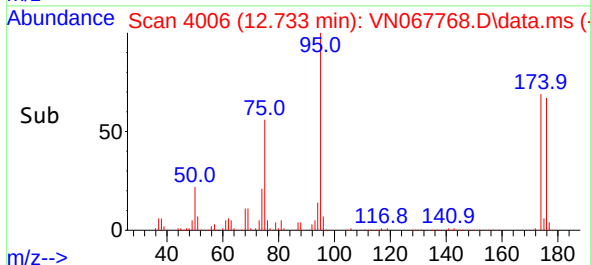
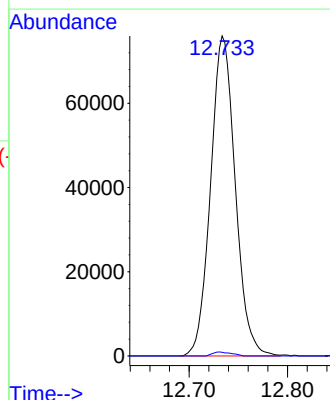
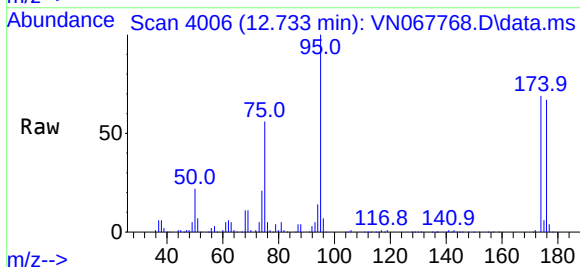
Instrument :
MSVOA_N
ClientSampled :

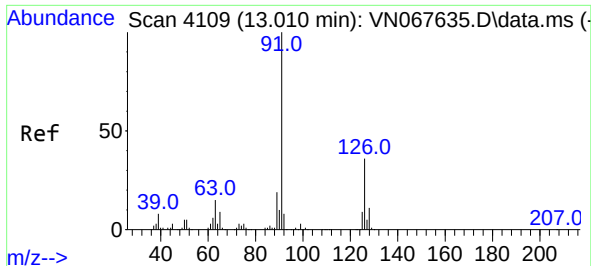
Tgt Ion:	43	Resp:	3280
Ion	Ratio	Lower	Upper
43	100		
70	18.0	29.4	44.2#
55	11.0	17.0	25.4#
61	8.6	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 31.786 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion:	75	Resp:	132453
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

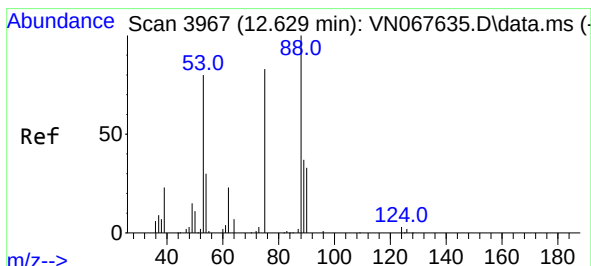
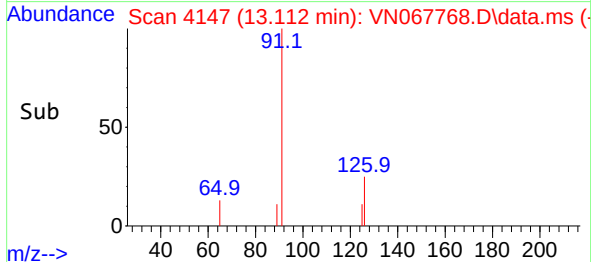
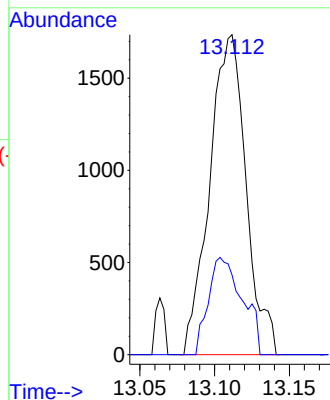
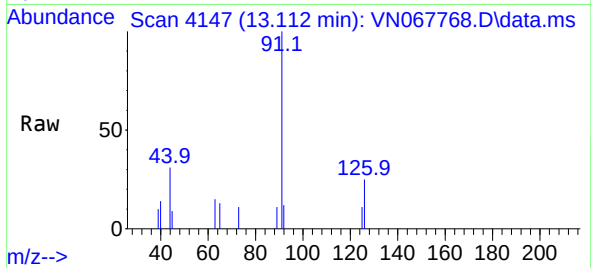




#79
2-Chlorotoluene
Concen: 0.262 ug/l
RT: 13.112 min Scan# 4147
Delta R.T. 0.102 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

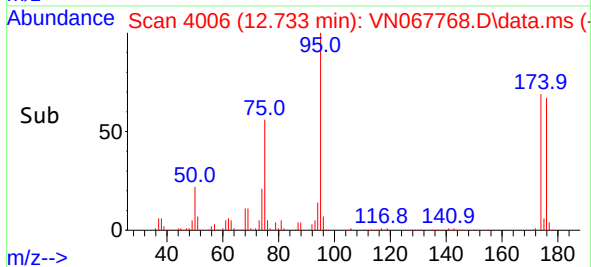
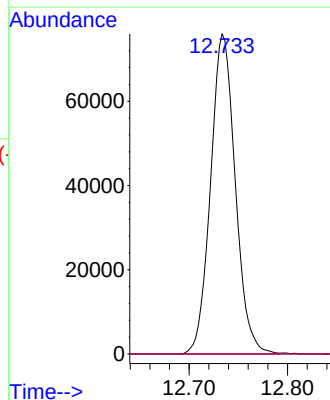
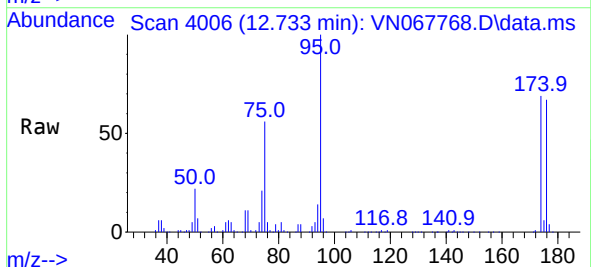
Instrument :
MSVOA_N
ClientSampled :

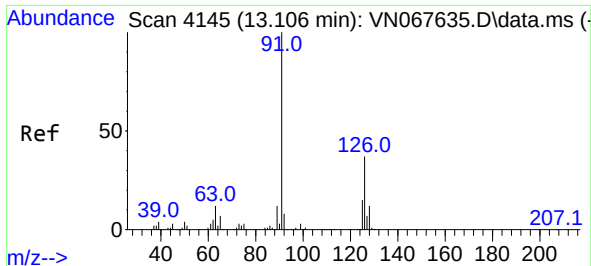
Tgt Ion: 91 Resp: 2946
Ion Ratio Lower Upper
91 100
126 28.4 14.5 43.5



#81
trans-1,4-Dichloro-2-butene
Concen: 102.483 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 75 Resp: 132453
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

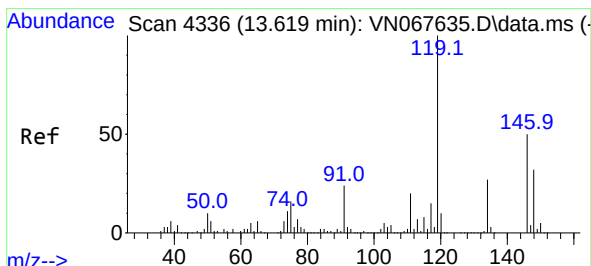
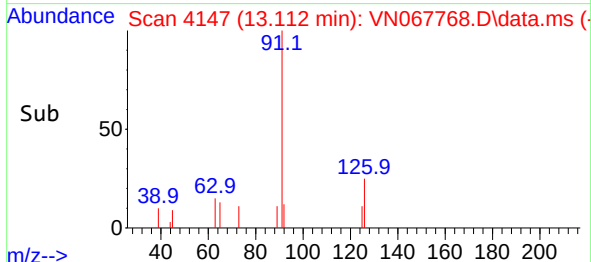
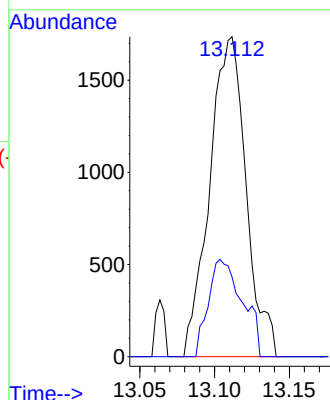
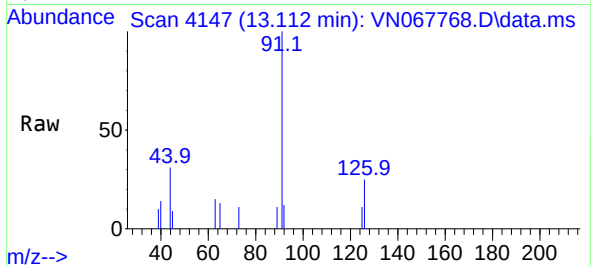




#82
4-Chlorotoluene
Concen: 0.265 ug/l
RT: 13.112 min Scan# 4147
Delta R.T. 0.006 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

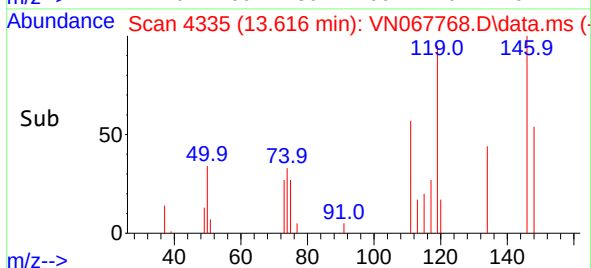
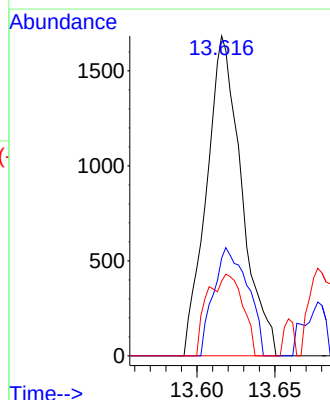
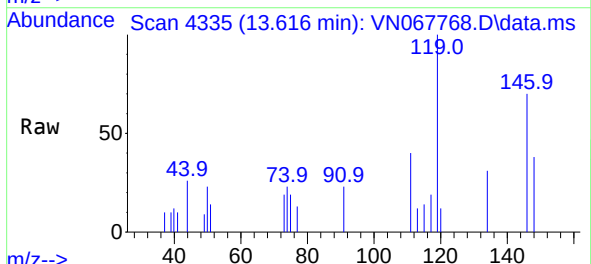
Instrument :
MSVOA_N
ClientSampled :

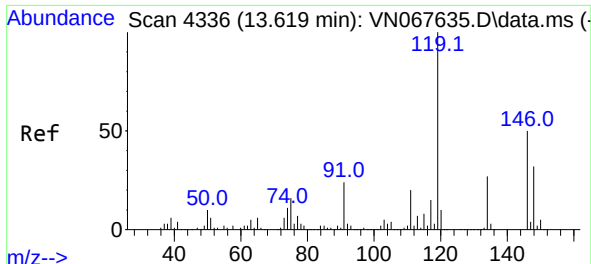
Tgt Ion: 91 Resp: 2946
Ion Ratio Lower Upper
91 100
126 28.4 14.8 44.4



#86
p-Isopropyltoluene
Concen: 0.207 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 119 Resp: 2633
Ion Ratio Lower Upper
119 100
134 32.7 12.4 37.4
91 25.6 14.8 44.3

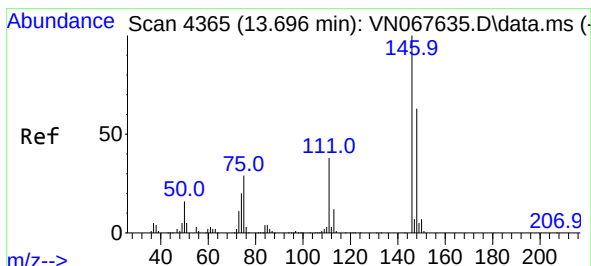
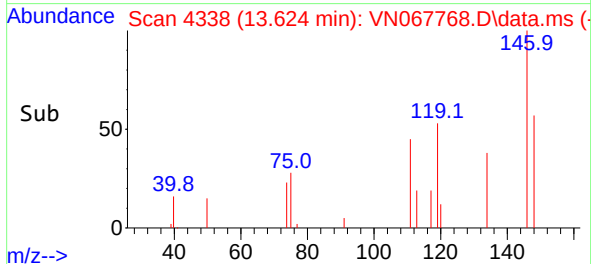
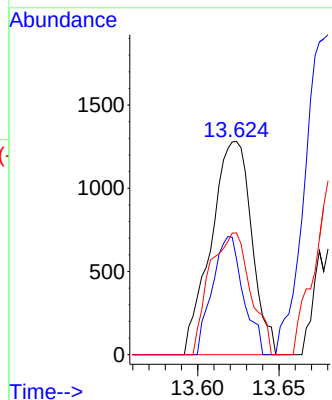
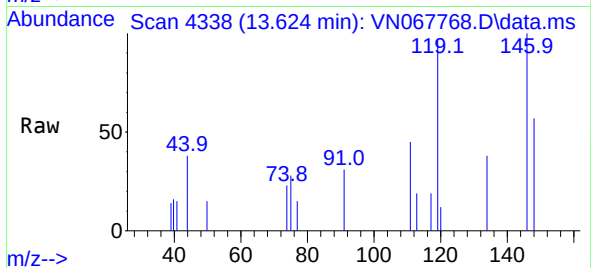




#87
1,3-Dichlorobenzene
Concen: 0.330 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.005 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

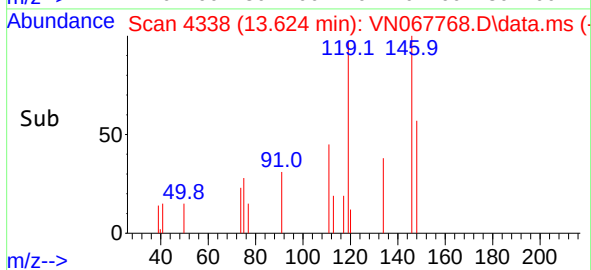
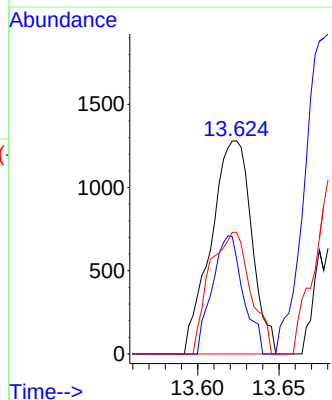
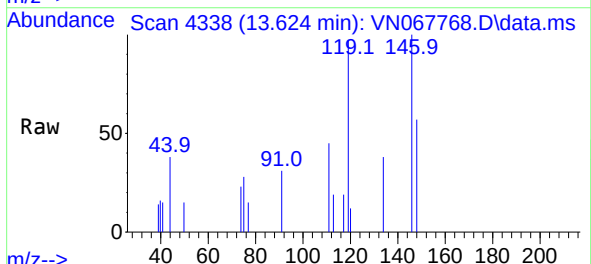
Instrument :
MSVOA_N
ClientSampled :

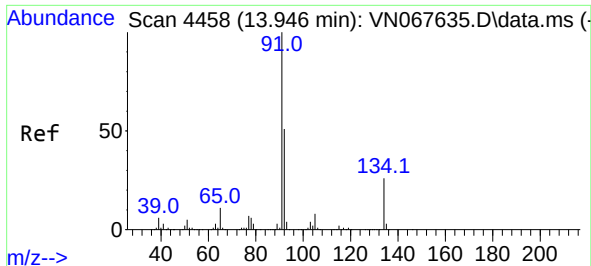
Tgt Ion:146 Resp: 2230
Ion Ratio Lower Upper
146 100
111 42.1 24.3 72.8
148 57.4 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.322 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. -0.072 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion:146 Resp: 2230
Ion Ratio Lower Upper
146 100
111 42.1 23.4 70.2
148 57.4 31.8 95.3

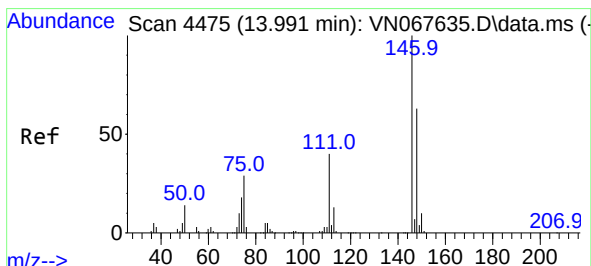
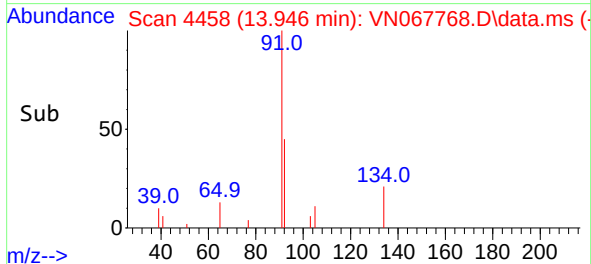
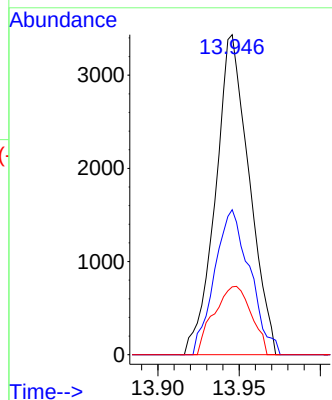
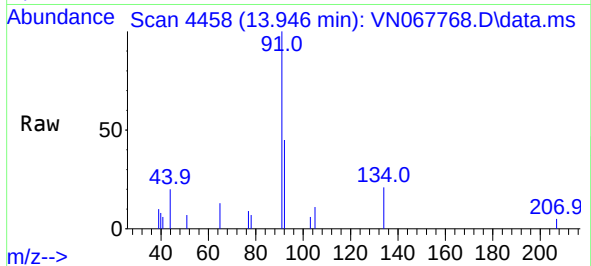




#89
n-Butylbenzene
Concen: 0.453 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

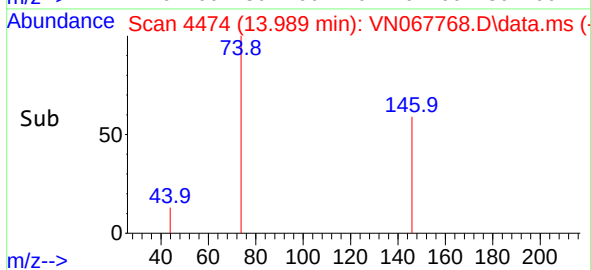
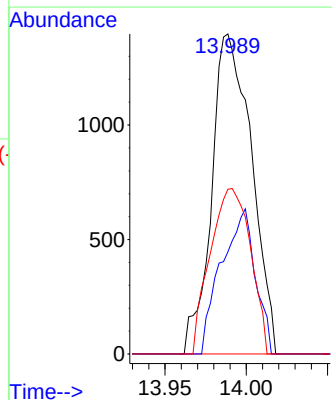
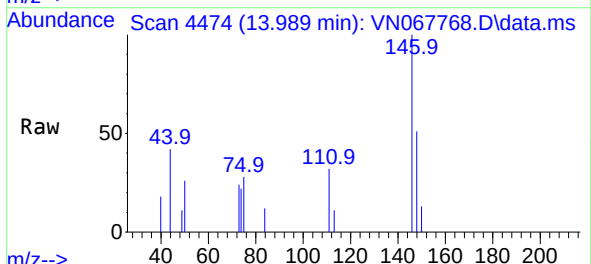
Instrument :
MSVOA_N
ClientSampleId :

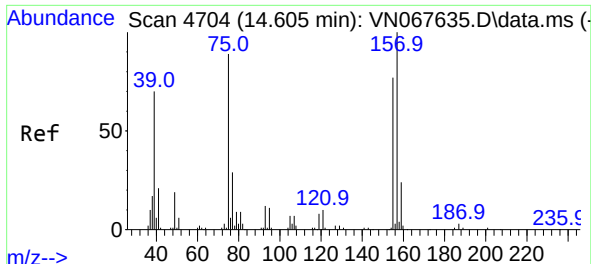
Tgt Ion:	91	Resp:	4940
Ion	Ratio	Lower	Upper
91	100		
92	47.8	25.7	77.1
134	23.7	11.2	33.6



#91
1,2-Dichlorobenzene
Concen: 0.366 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. -0.002 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion:	146	Resp:	2386
Ion	Ratio	Lower	Upper
146	100		
111	38.6	24.9	74.6
148	52.3	31.6	95.0

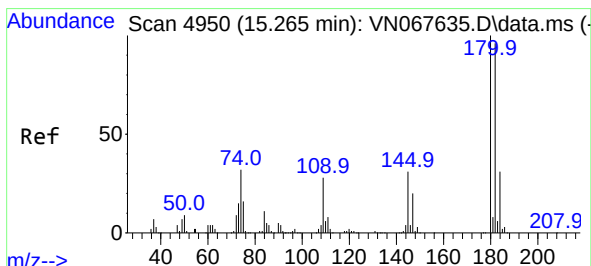
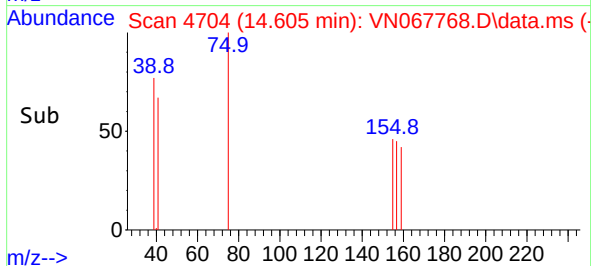
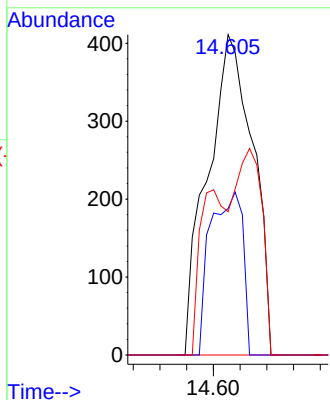
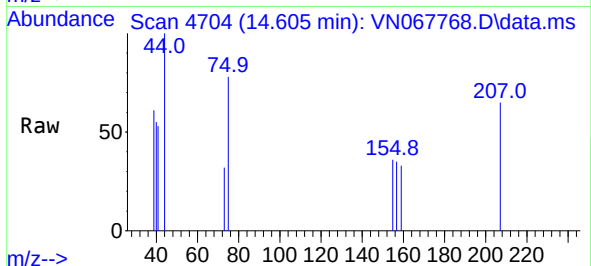




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.584 ug/l
RT: 14.605 min Scan# 4704
Delta R.T. 0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

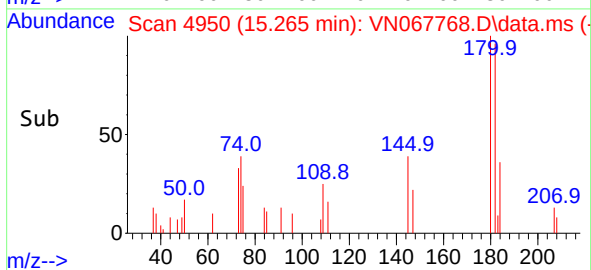
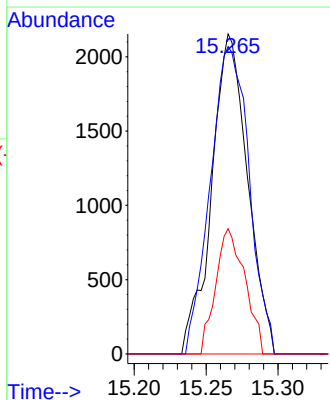
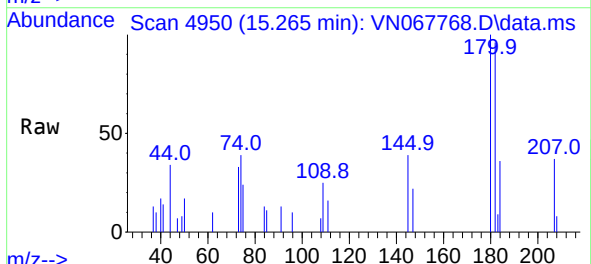
Instrument :
MSVOA_N
ClientSampled :

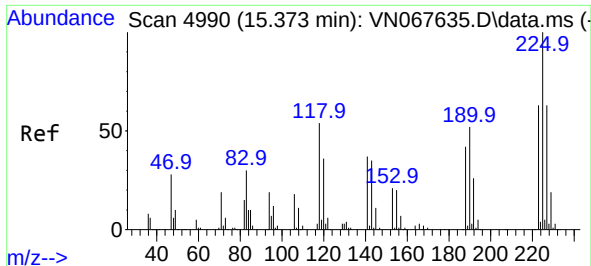
Tgt Ion: 75 Resp: 485
Ion Ratio Lower Upper
75 100
155 36.3 29.8 89.5
157 37.9 37.6 112.8



#93
1,2,4-Trichlorobenzene
Concen: 3.716 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion: 180 Resp: 3741
Ion Ratio Lower Upper
180 100
182 104.0 47.5 142.5
145 31.7 17.2 51.6

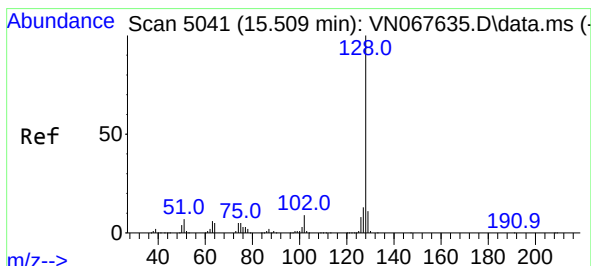
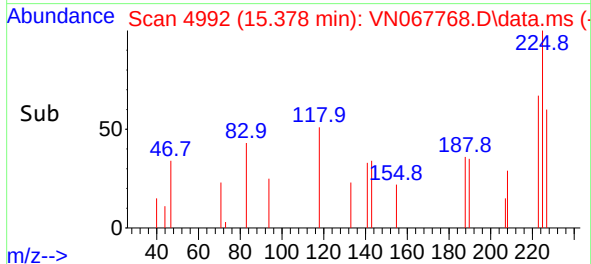
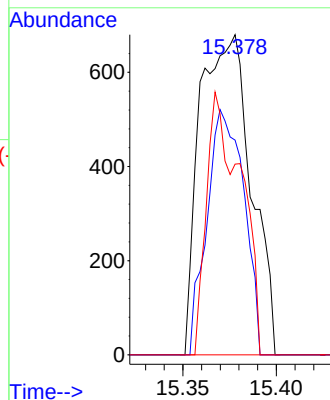
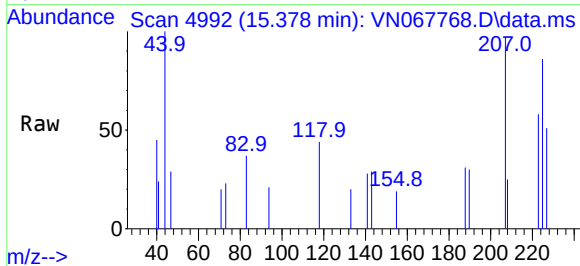




#94
Hexachlorobutadiene
Concen: 0.945 ug/l
RT: 15.378 min Scan# 4992
Delta R.T. 0.005 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

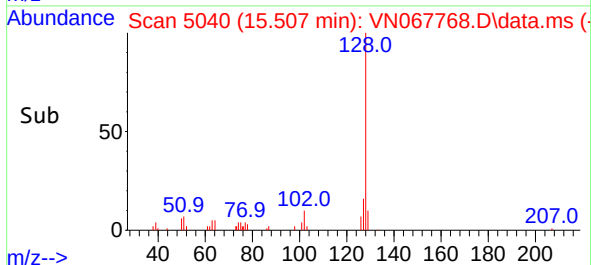
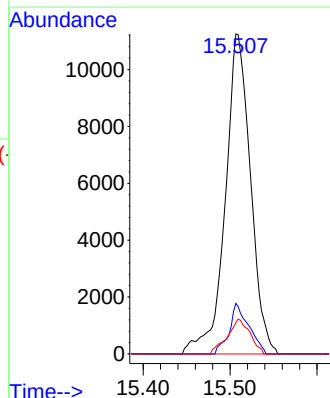
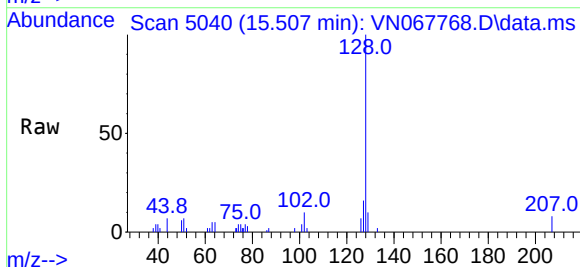
Instrument :
MSVOA_N
ClientSampled :

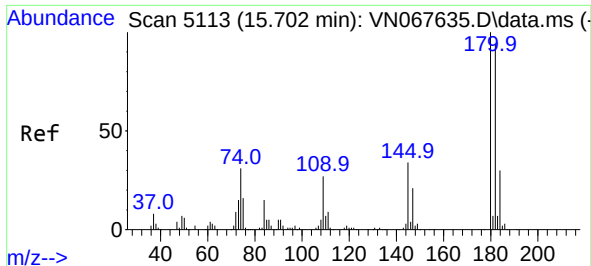
Tgt Ion:	225	Resp:	1295
Ion	Ratio	Lower	Upper
225	100		
223	55.4	31.4	94.0
227	34.1	31.2	93.6



#95
Naphthalene
Concen: 5.146 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Tgt Ion:	128	Resp:	22685
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.6	15.8
129	9.7	8.6	12.8





#96
1,2,3-Trichlorobenzene
Concen: 4.063 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067768.D
Acq: 16 Jul 2021 12:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	180	Resp:	4920
Ion	Ratio	Lower	Upper
180	100		
182	107.5	47.8	143.3
145	22.9	18.2	54.6

