

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067881.D
 Acq On : 23 Jul 2021 15:39
 Operator : JC/MD
 Sample : M3147-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:42:18 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)

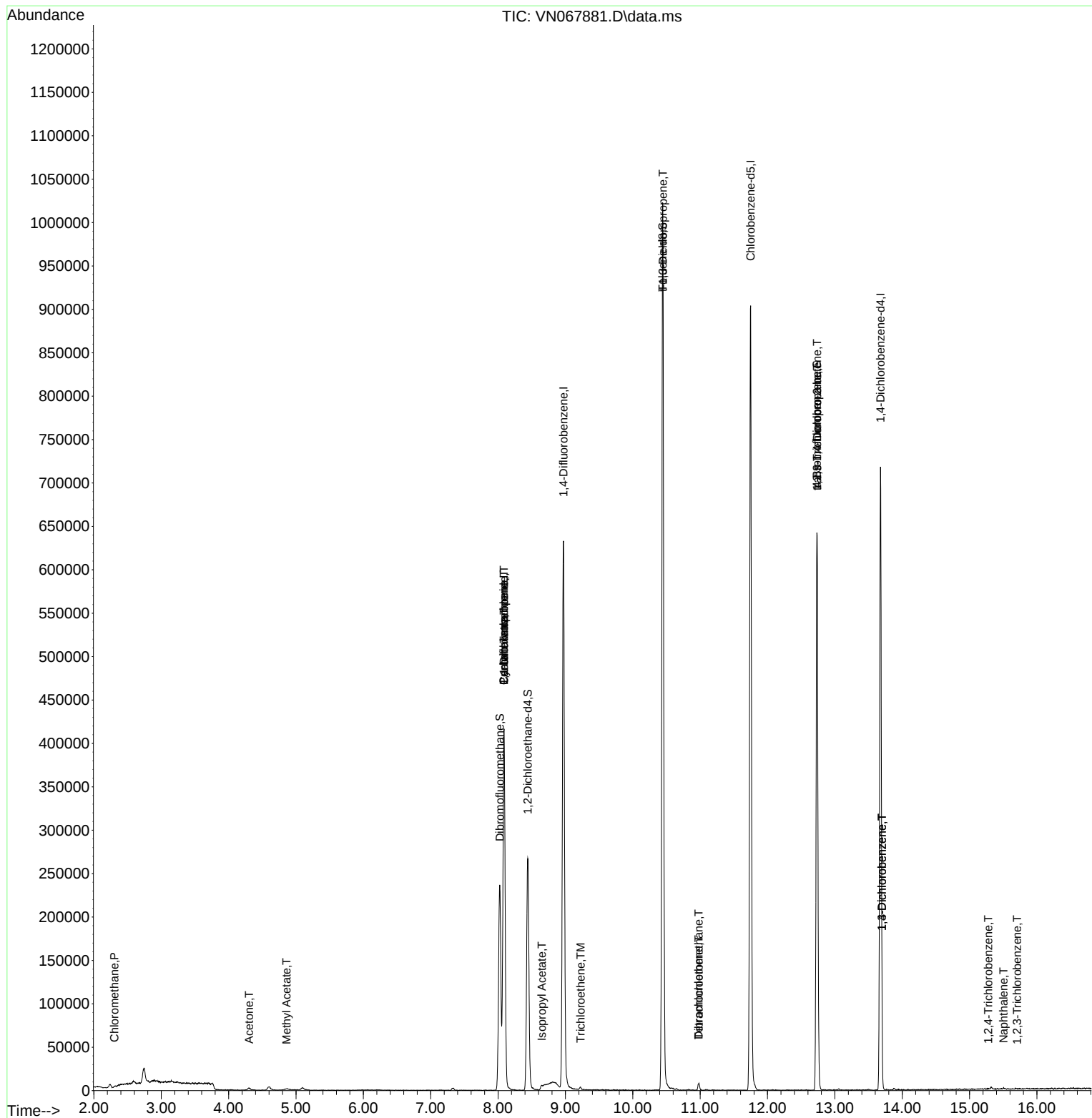
Internal Standards						
1) Pentafluorobenzene	8.088	168	295256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	562471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	525889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	182861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	234699	52.597	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 105.200%		
35) Dibromofluoromethane	8.026	113	172703	50.820	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.640%		
50) Toluene-d8	10.443	98	718582	50.517	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.040%		
62) 4-Bromofluorobenzene	12.733	95	231427	46.056	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 92.120%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	879	0.221	ug/l	94
5) Bromomethane	2.845	94	55	Below Cal	#	4
6) Chloroethane	2.925	64	49	Below Cal	#	44
13) Acrolein	4.041	56	210	Below Cal	#	29
16) Acetone	4.301	43	4382	3.121	ug/l	92
18) Methyl Acetate	4.856	43	2954	0.749	ug/l	# 66
20) Methylene Chloride	5.098	84	219	Below Cal	#	9
31) Cyclohexane	8.088	56	7708	1.232	ug/l	# 14
36) 1,1-Dichloropropene	8.088	75	26741	5.118	ug/l	# 48
38) Carbon Tetrachloride	8.088	117	32669	6.339	ug/l	# 18
43) Isopropyl Acetate	8.649	43	3361	0.377	ug/l	# 58
44) Trichloroethene	9.225	130	1026	0.258	ug/l	43
53) t-1,3-Dichloropropene	10.446	75	52	1.752	ug/l	# 65
60) Dibromochloromethane	10.979	129	1769	2.707	ug/l	# 11
64) Tetrachloroethene	10.977	164	1622	0.437	ug/l	92
76) 1,2,3-Trichloropropane	12.736	75	129222	34.604	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	129222	111.565	ug/l	# 6
87) 1,3-Dichlorobenzene	13.699	146	1905	0.314	ug/l	# 1
88) 1,4-Dichlorobenzene	13.699	146	1905	0.307	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.276	180	172	2.728	ug/l	# 34
95) Naphthalene	15.504	128	1134	3.131	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.705	180	107	2.667	ug/l	# 51

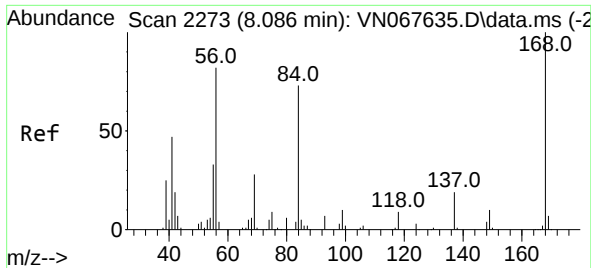
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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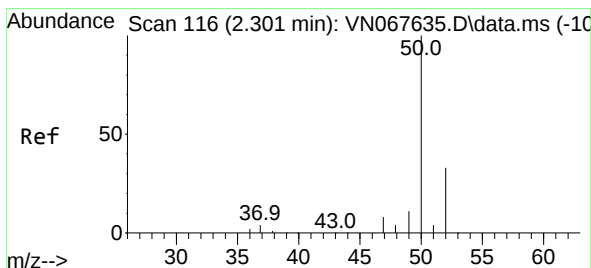
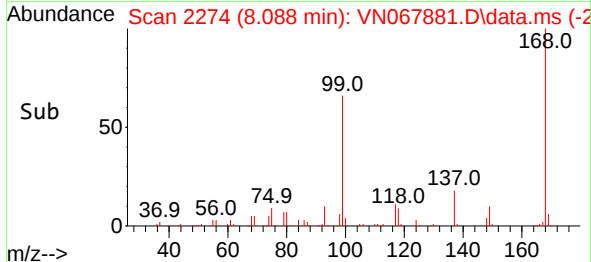
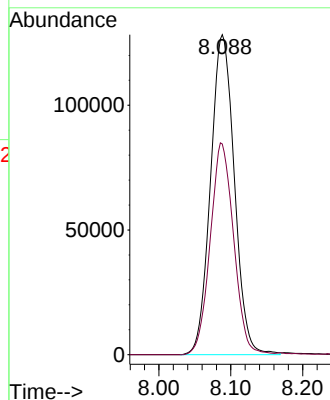
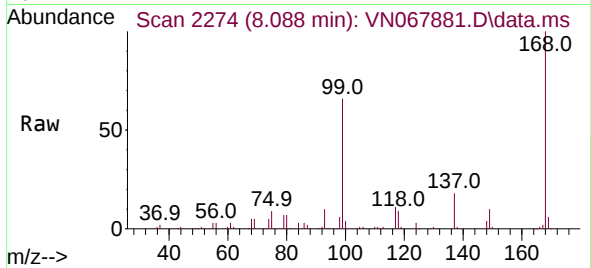




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

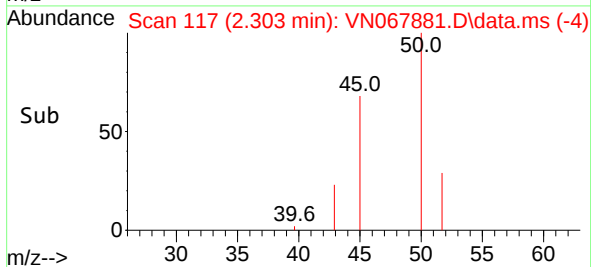
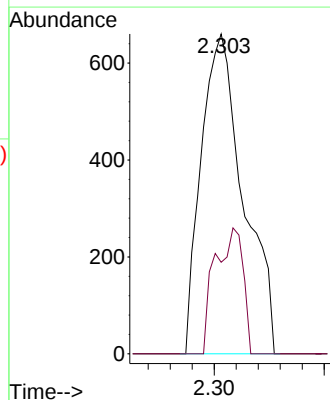
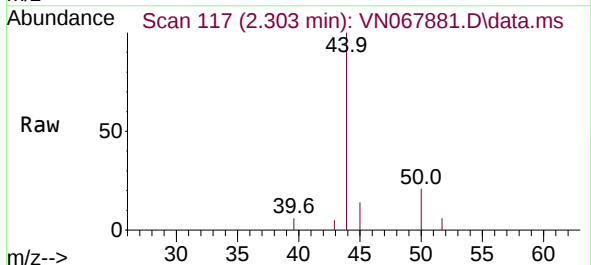
Instrument :
MSVOA_N
ClientSampled :

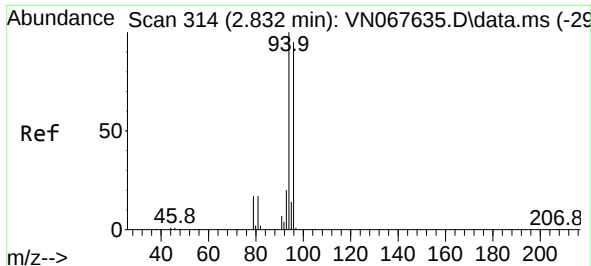
Tgt Ion:168 Resp: 295256
Ion Ratio Lower Upper
168 100
99 65.9 62.9 94.3



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

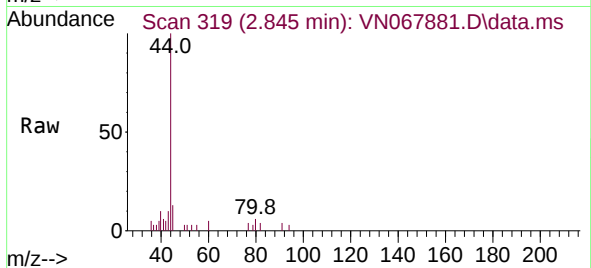
Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 28.6 25.6 38.4



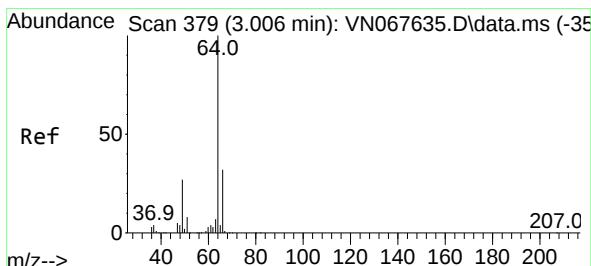
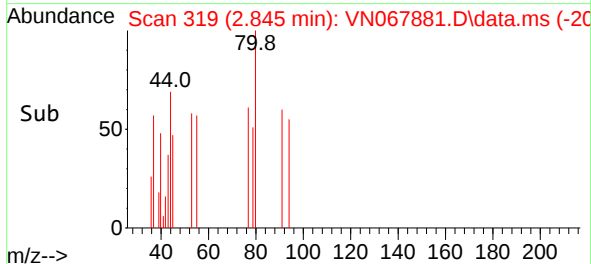
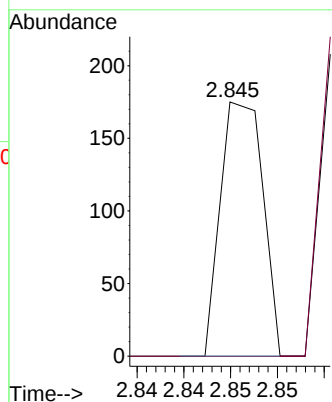


#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. 0.013 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Instrument :
MSVOA_N
ClientSampled :

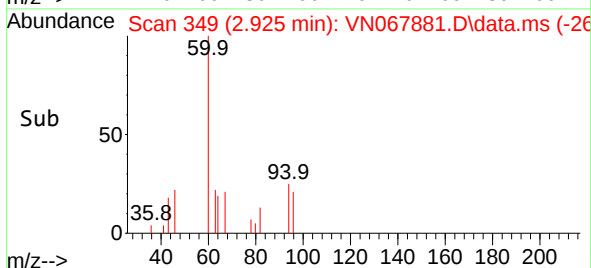
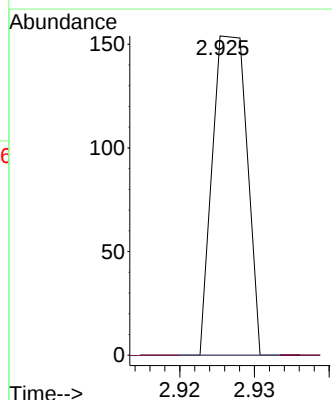
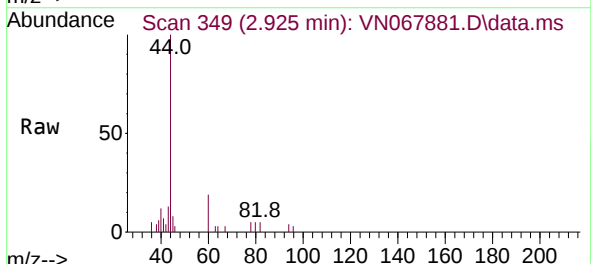


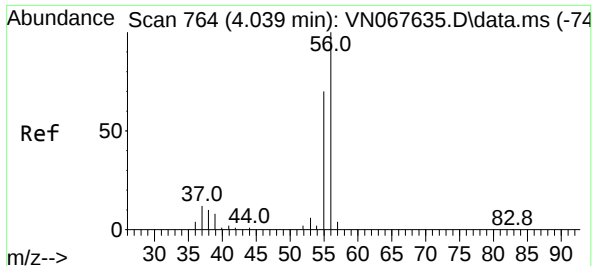
Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.925 min Scan# 349
Delta R.T. -0.081 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

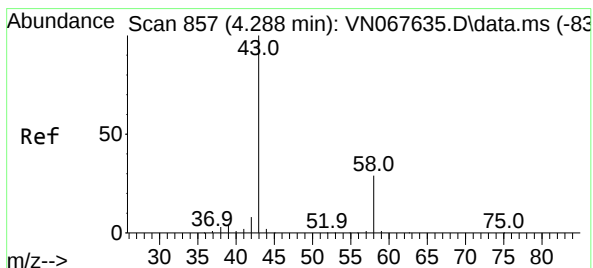
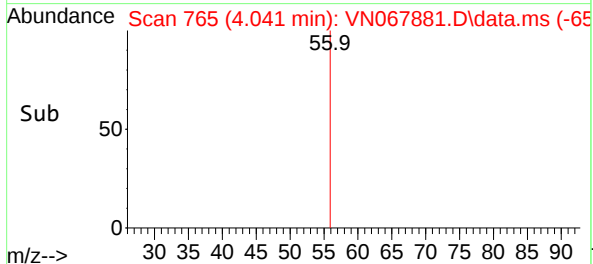
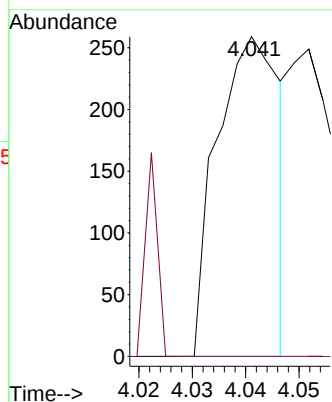
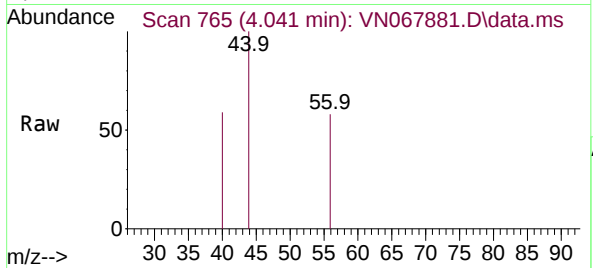




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

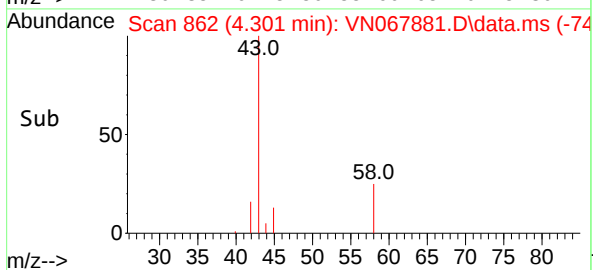
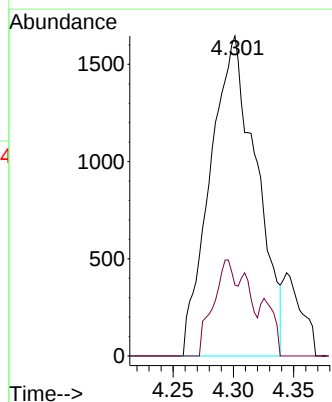
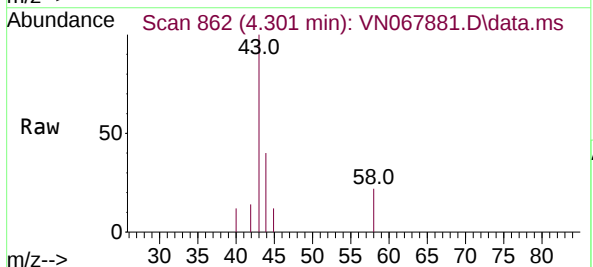
Instrument :
MSVOA_N
ClientSampled :

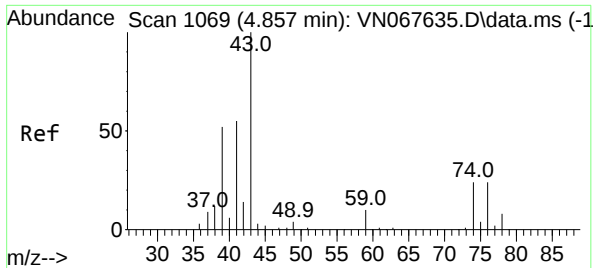
Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 12.9 57.4 86.0#



#16
Acetone
Concen: 3.121 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion: 43 Resp: 4382
Ion Ratio Lower Upper
43 100
58 22.2 21.2 31.8

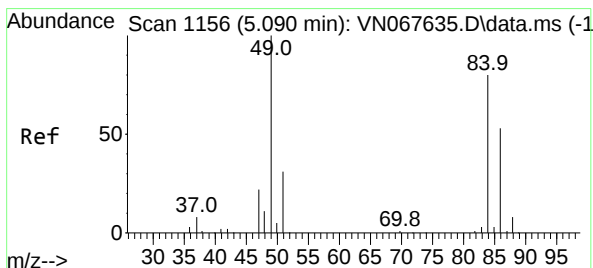
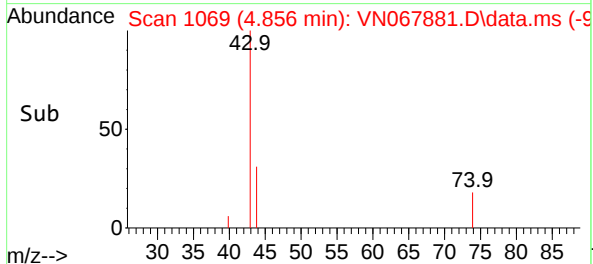
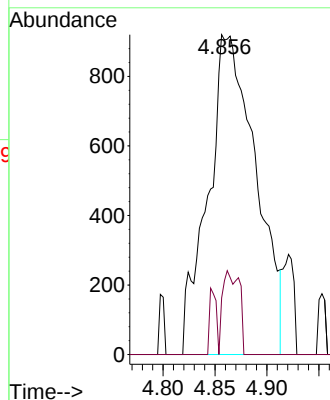
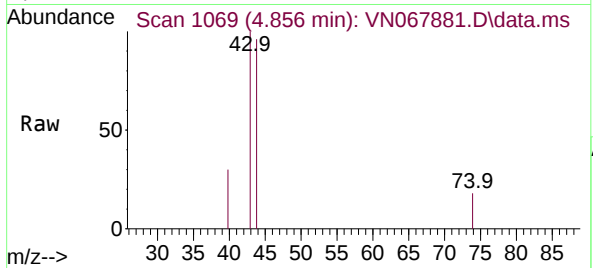




#18
Methyl Acetate
Concen: 0.749 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. -0.001 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

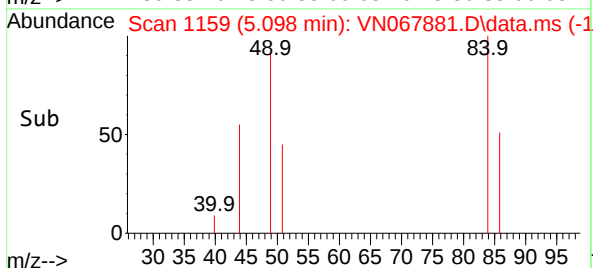
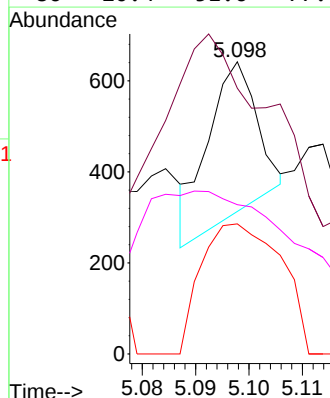
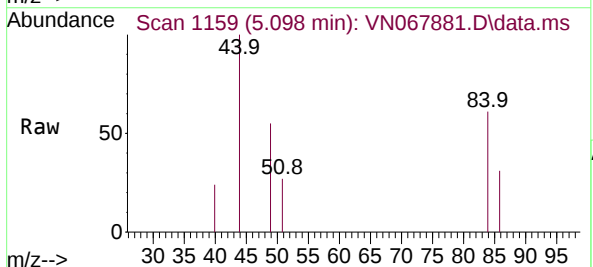
Instrument :
MSVOA_N
ClientSampled :

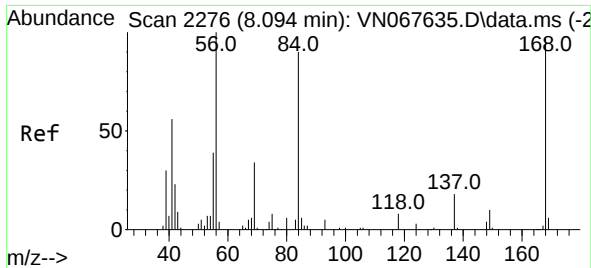
Tgt Ion: 43 Resp: 2954
Ion Ratio Lower Upper
43 100
74 5.7 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion: 84 Resp: 219
Ion Ratio Lower Upper
84 100
49 13.0 110.9 166.3#
51 106.3 32.6 49.0#
86 20.4 51.6 77.4#

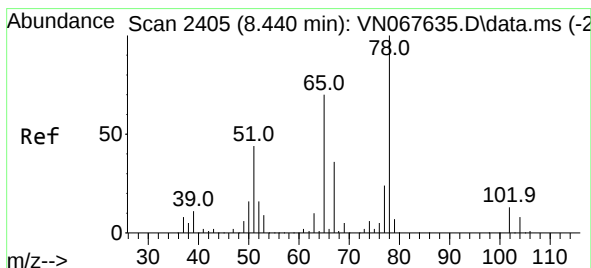
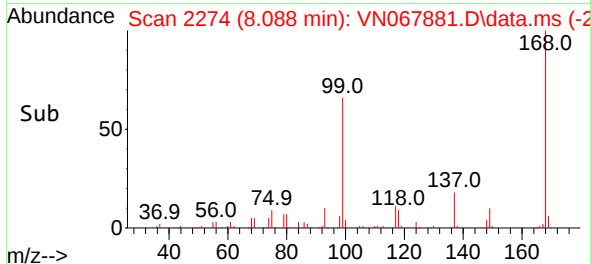
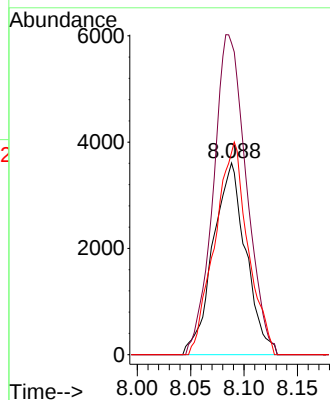
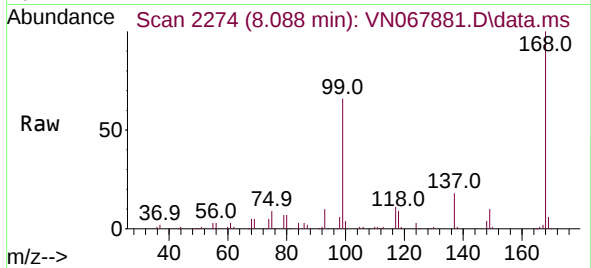




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

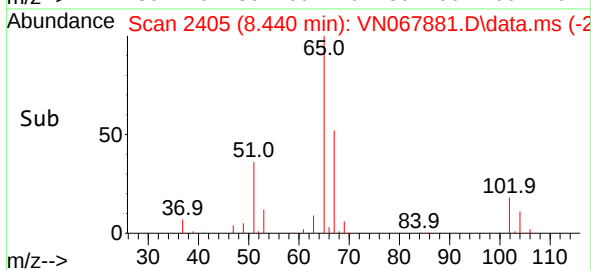
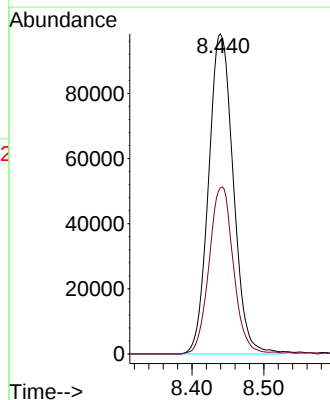
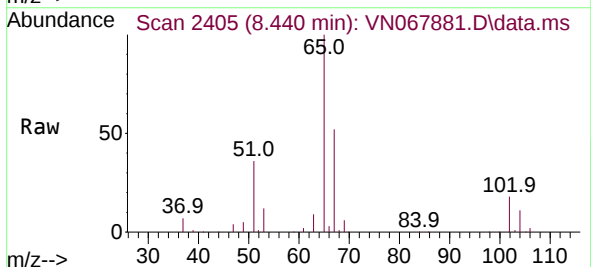
Instrument :
MSVOA_N
ClientSampled :

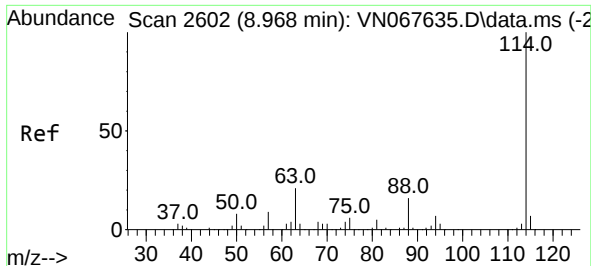
Tgt Ion: 56 Resp: 7708
Ion Ratio Lower Upper
56 100
69 162.5 27.3 40.9#
84 105.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.597 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion: 65 Resp: 234699
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6

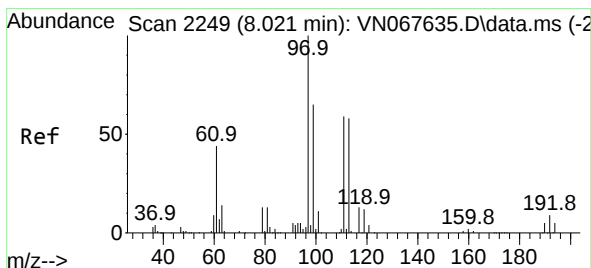
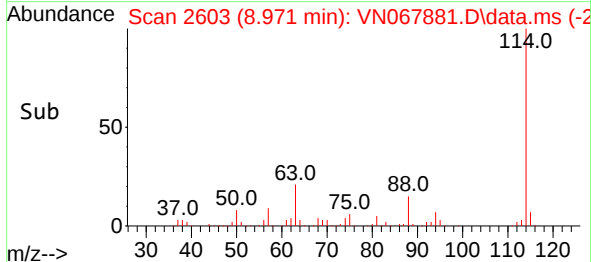
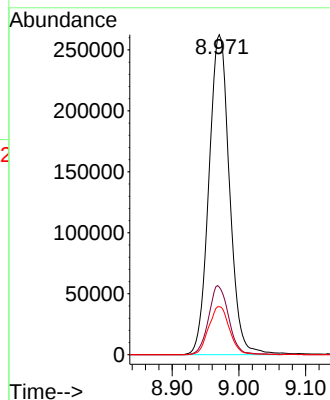
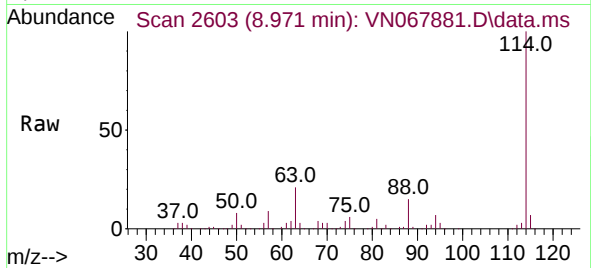




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

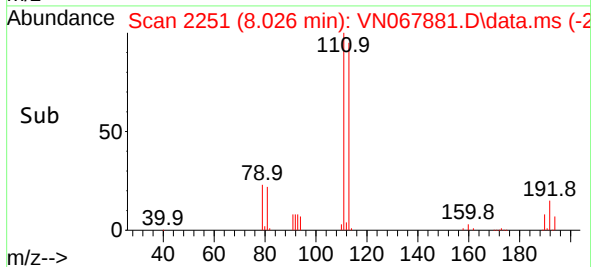
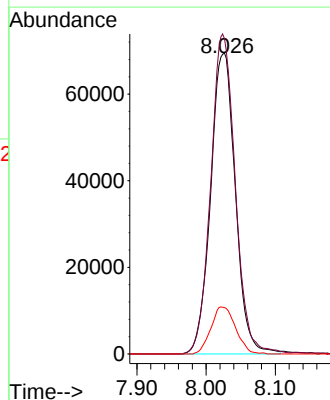
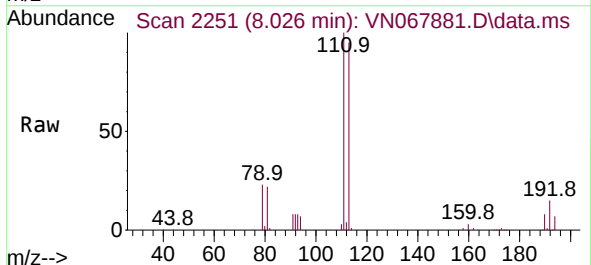
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ClientSampleId :

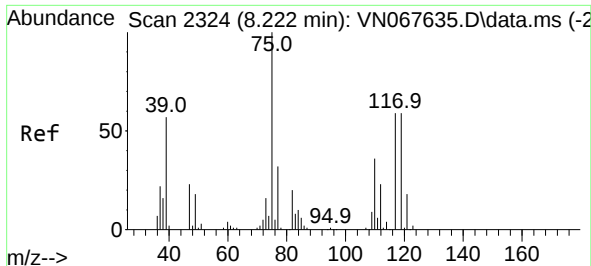
Tgt Ion:114 Resp: 562471
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.820 ug/l
RT: 8.026 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion:113 Resp: 172703
Ion Ratio Lower Upper
113 100
111 105.3 83.8 125.8
192 15.6 13.4 20.0

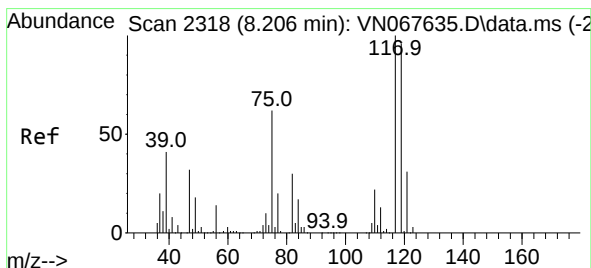
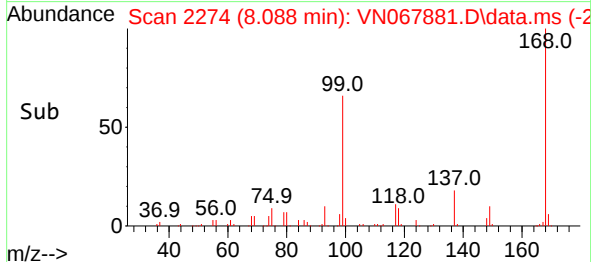
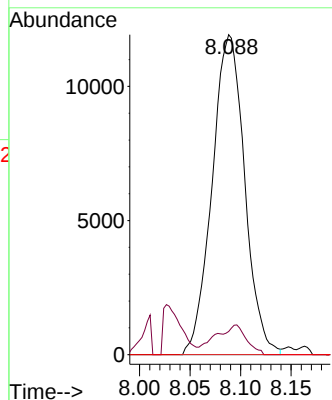
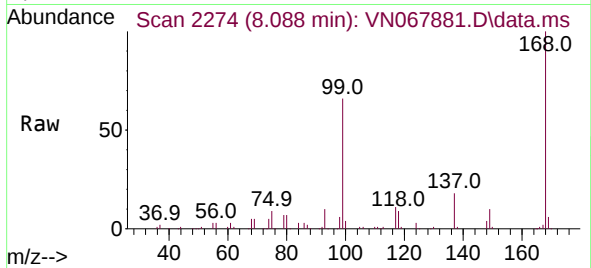




#36
 1,1-Dichloropropene
 Concen: 5.118 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN067881.D
 Acq: 23 Jul 2021 15:39

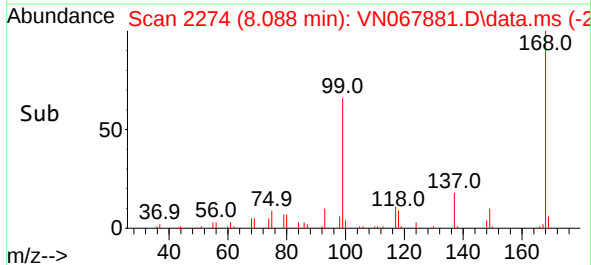
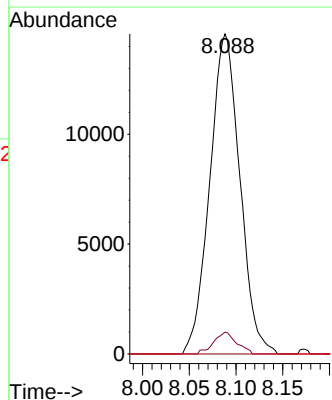
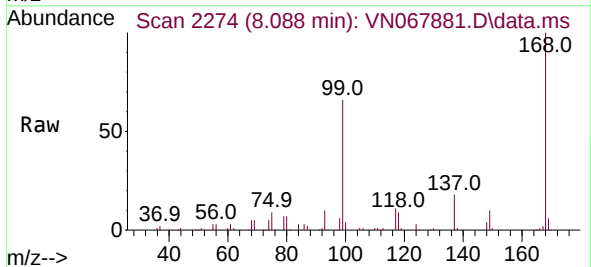
Instrument :
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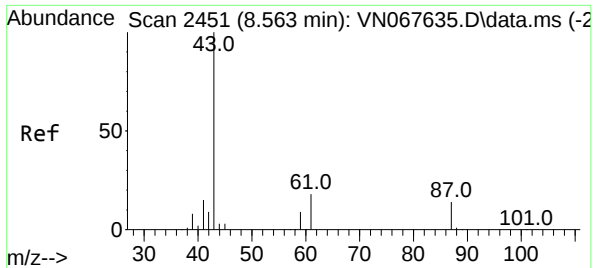
Tgt Ion: 75 Resp: 26741
 Ion Ratio Lower Upper
 75 100
 110 5.0 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.339 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN067881.D
 Acq: 23 Jul 2021 15:39

Tgt Ion: 117 Resp: 32669
 Ion Ratio Lower Upper
 117 100
 119 6.8 75.4 113.2#
 121 0.0 23.5 35.3#

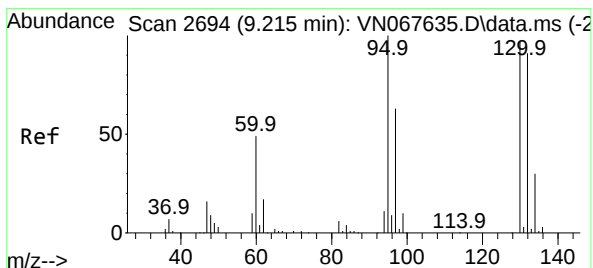
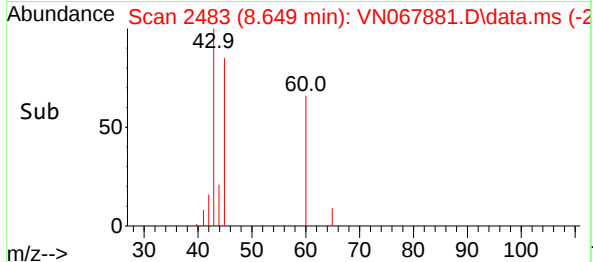
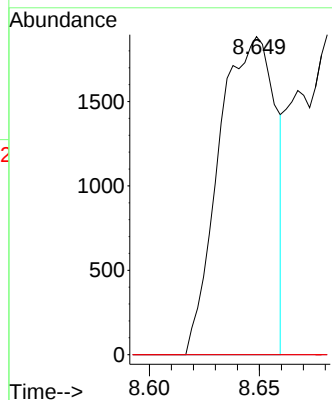
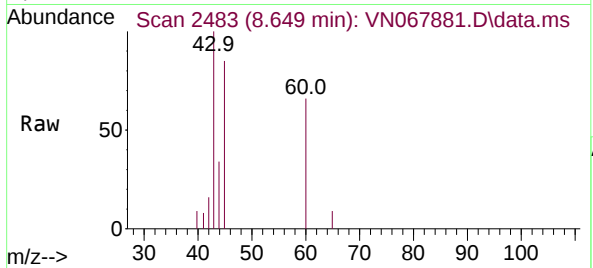




#43
Isopropyl Acetate
Concen: 0.377 ug/l
RT: 8.649 min Scan# 2483
Delta R.T. 0.086 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

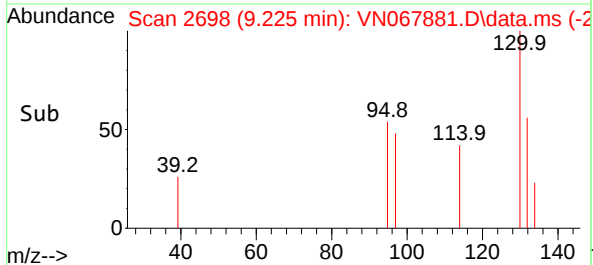
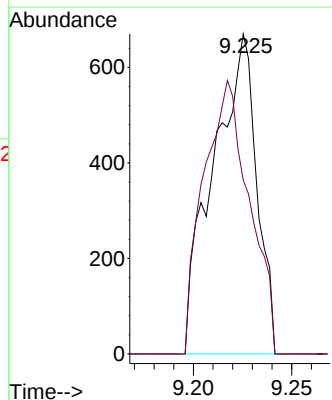
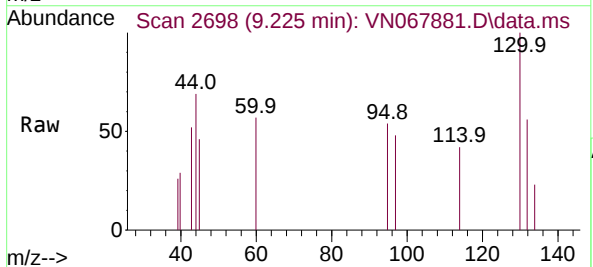
Instrument :
MSVOA_N
ClientSampleId :

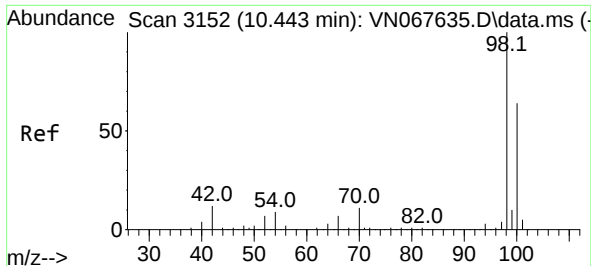
Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#44
Trichloroethene
Concen: 0.258 ug/l
RT: 9.225 min Scan# 2698
Delta R.T. 0.010 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion:130 Resp: 1026
Ion Ratio Lower Upper
130 100
95 54.3 0.0 234.4

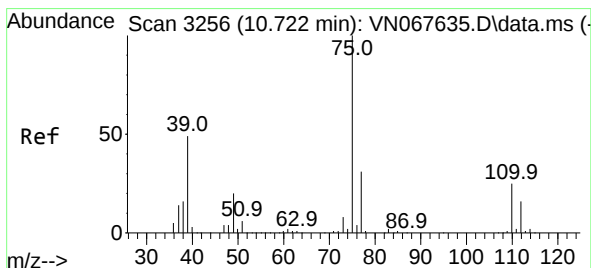
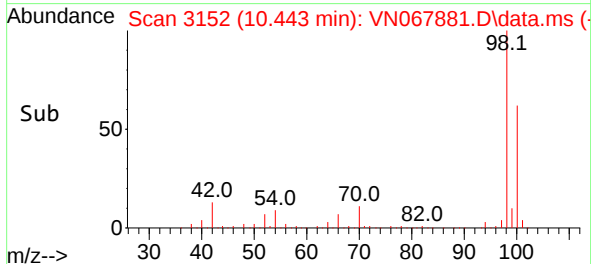
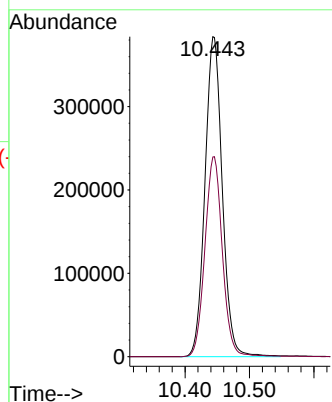
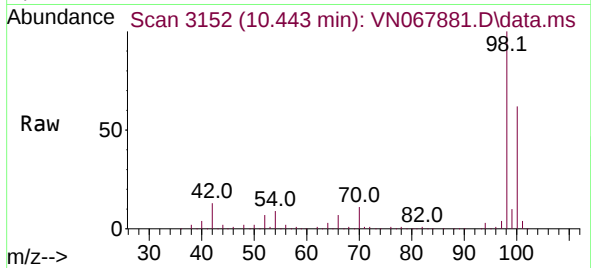




#50
Toluene-d8
Concen: 50.517 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

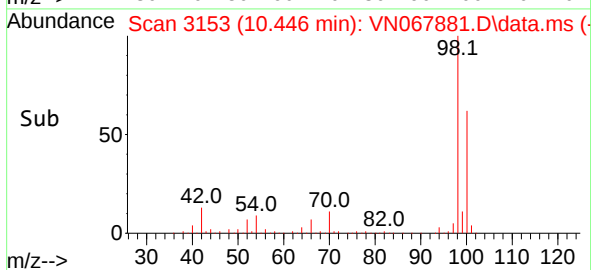
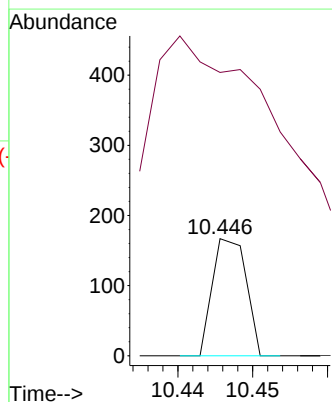
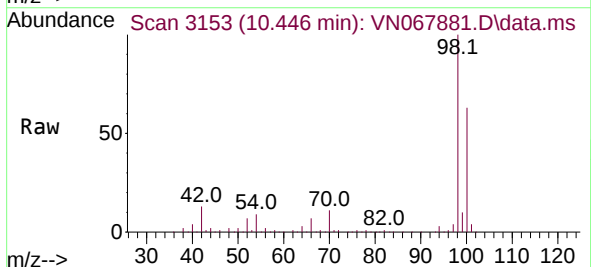
Instrument :
MSVOA_N
ClientSampled :

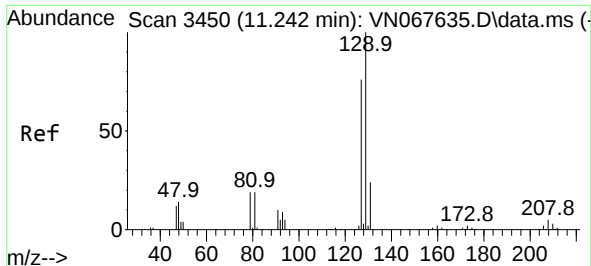
Tgt Ion: 98 Resp: 718582
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.752 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.276 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
77 50.9 25.1 37.7#

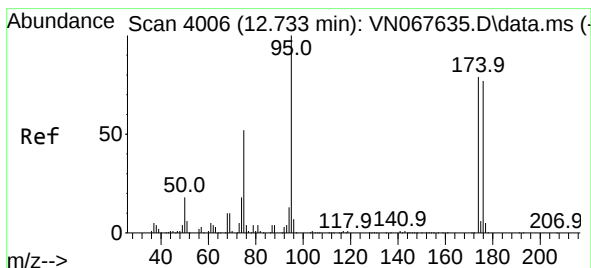
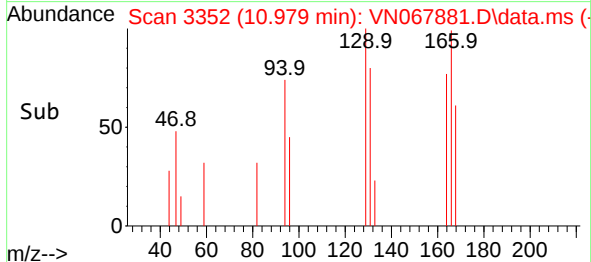
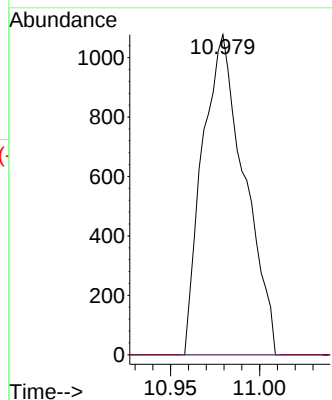
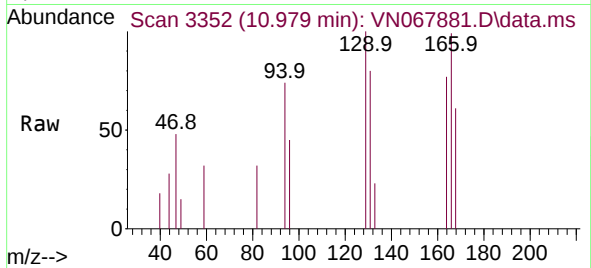




#60
Dibromochloromethane
Concen: 2.707 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

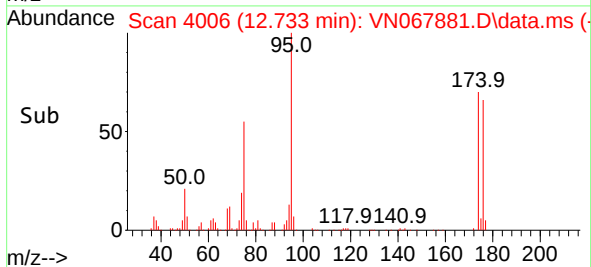
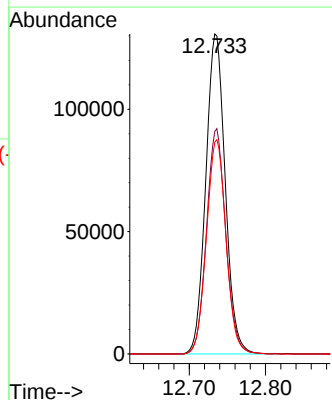
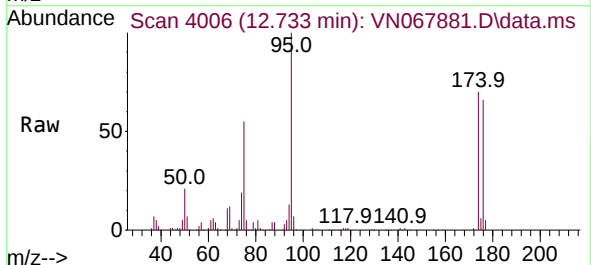
Instrument :
MSVOA_N
ClientSampled :

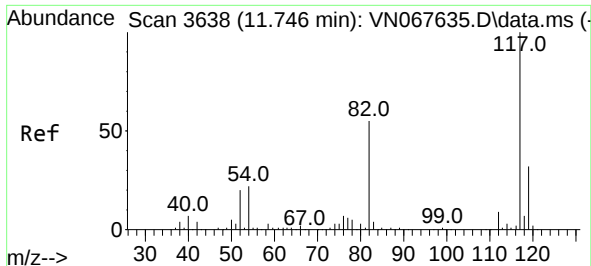
Tgt Ion:129 Resp: 1769
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 46.056 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion: 95 Resp: 231427
Ion Ratio Lower Upper
95 100
174 69.8 0.0 122.0
176 67.4 0.0 117.6

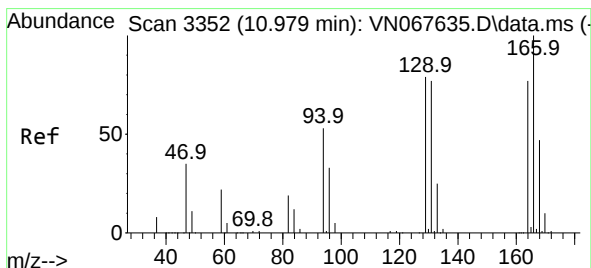
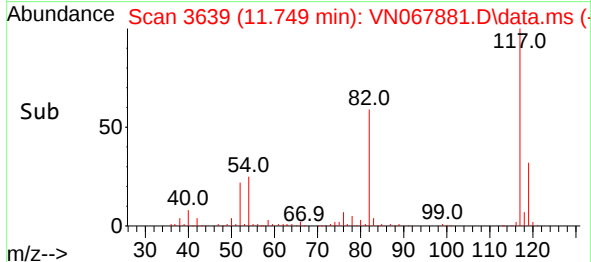
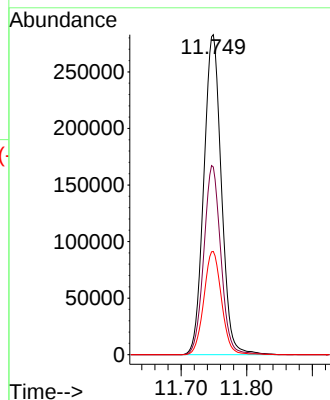
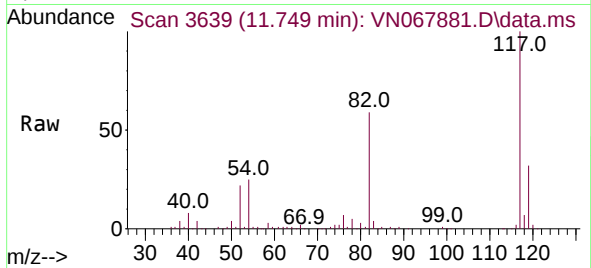




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

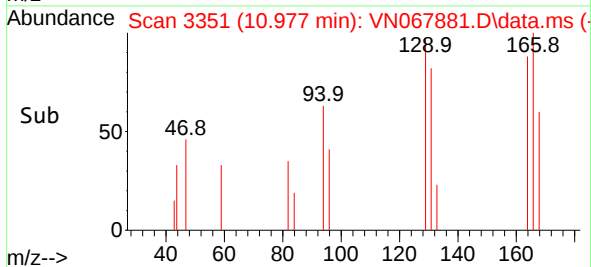
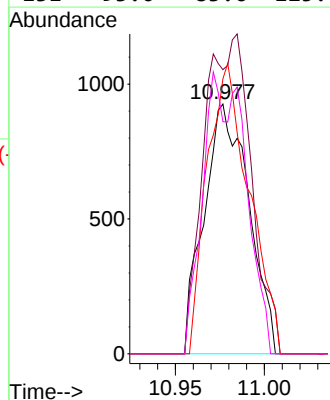
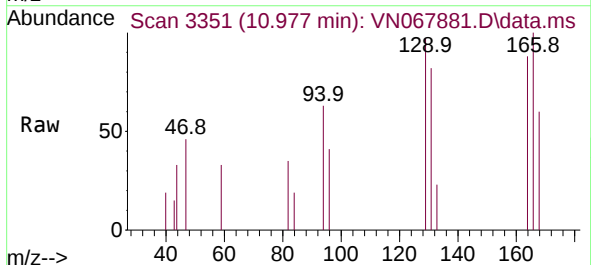
Instrument :
MSVOA_N
ClientSampled :

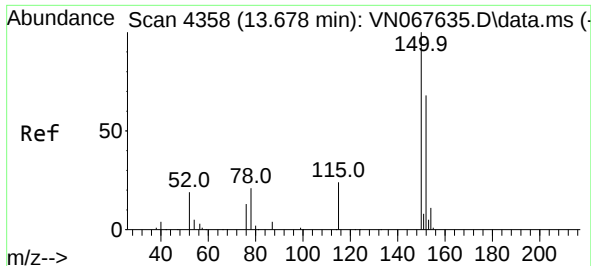
Tgt Ion:117 Resp: 525889
Ion Ratio Lower Upper
117 100
82 58.7 53.1 79.7
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.437 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion:164 Resp: 1622
Ion Ratio Lower Upper
164 100
166 113.8 102.1 153.1
129 110.2 86.9 130.3
131 93.0 83.6 125.4

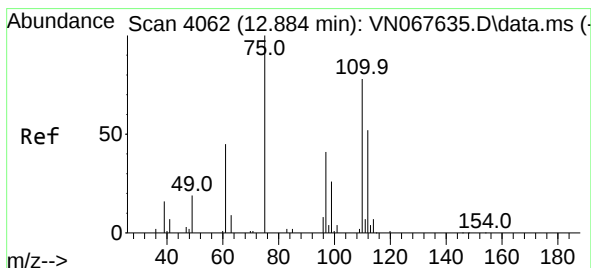
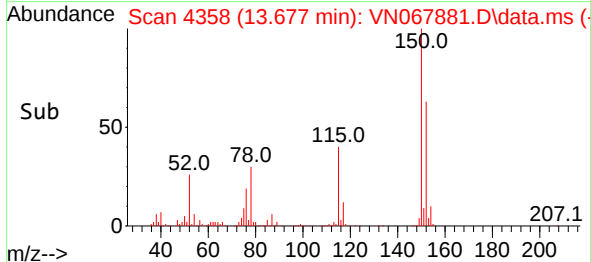
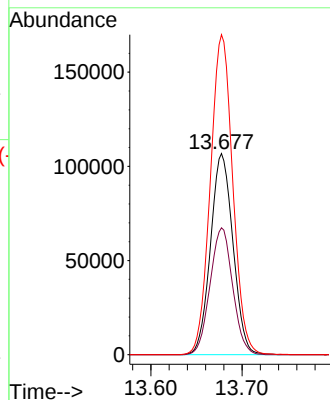
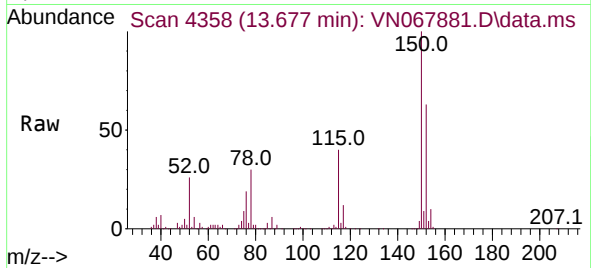




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

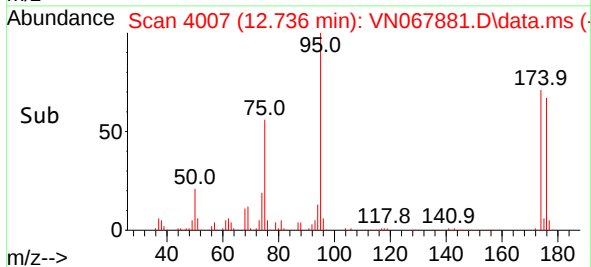
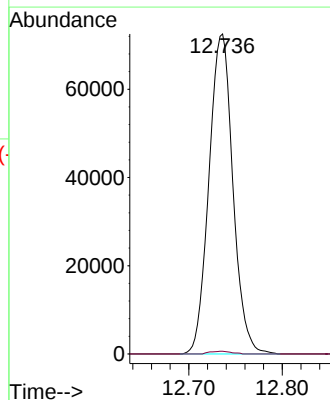
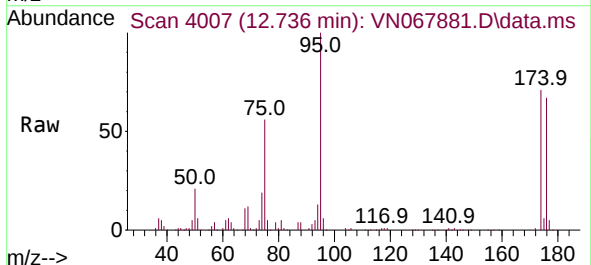
Instrument :
MSVOA_N
ClientSampled :

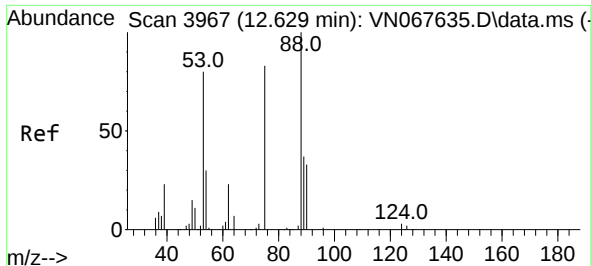
Tgt Ion:152 Resp: 182861
Ion Ratio Lower Upper
152 100
115 63.3 36.1 108.5
150 158.6 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 34.604 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion: 75 Resp: 129222
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

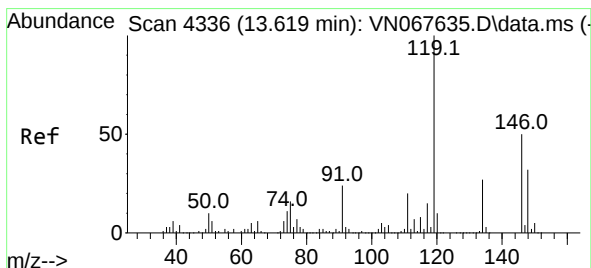
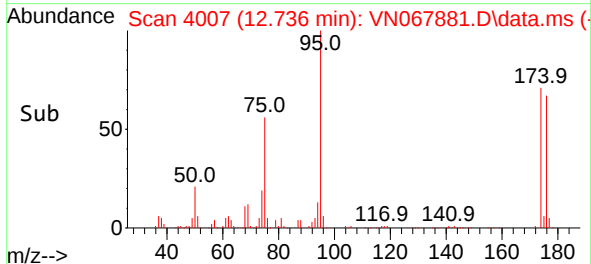
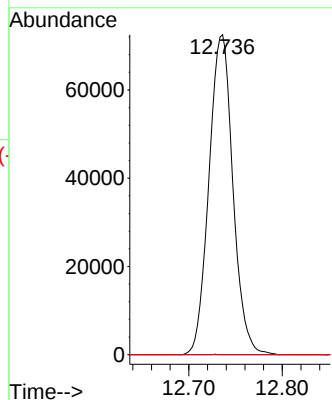
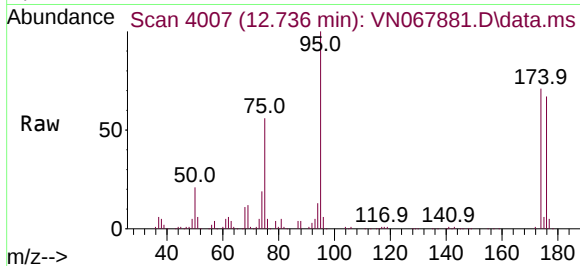




#81
trans-1,4-Dichloro-2-butene
Concen: 111.565 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

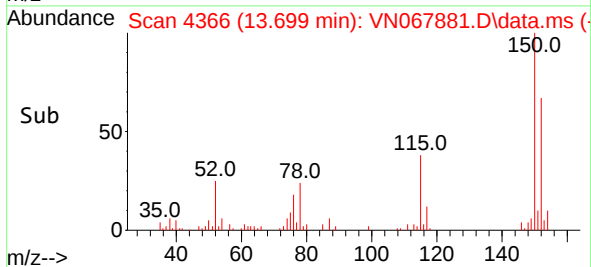
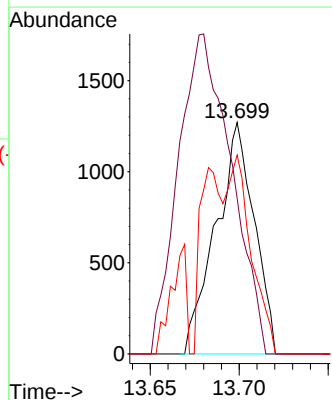
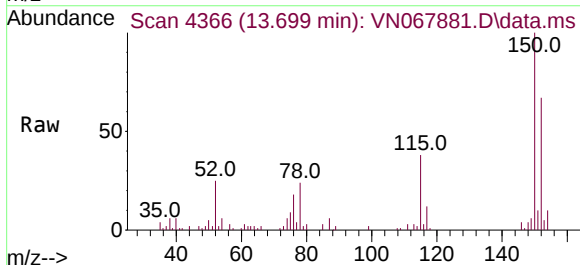
Instrument :
MSVOA_N
ClientSampled :

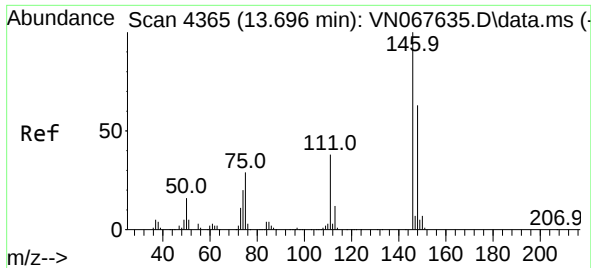
Tgt Ion: 75 Resp: 129222
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#87
1,3-Dichlorobenzene
Concen: 0.314 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. 0.080 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

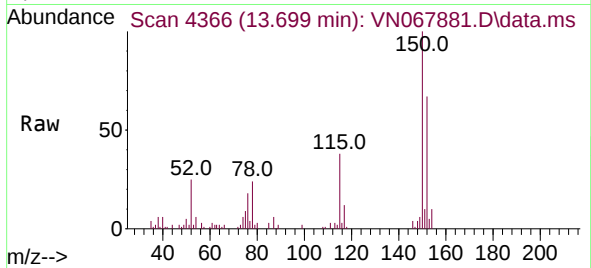
Tgt Ion:146 Resp: 1905
Ion Ratio Lower Upper
146 100
111 190.4 24.3 72.8#
148 45.9 32.0 96.0



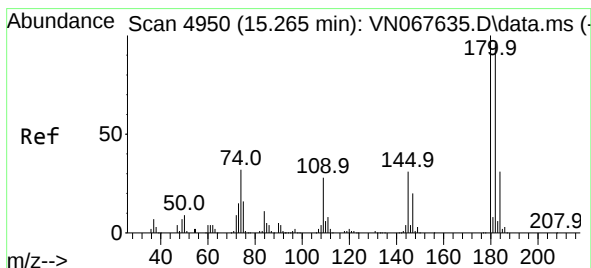
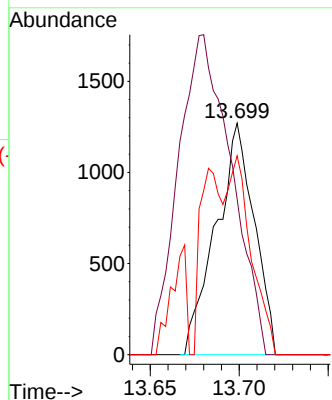
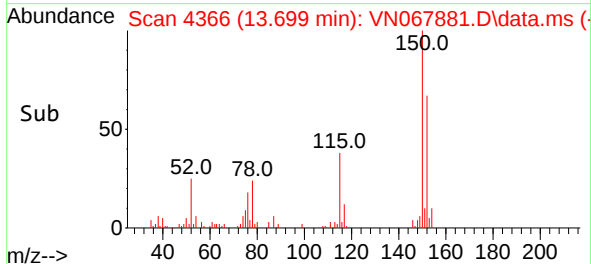


#88
 1,4-Dichlorobenzene
 Concen: 0.307 ug/l
 RT: 13.699 min Scan# 4366
 Delta R.T. 0.003 min
 Lab File: VN067881.D
 Acq: 23 Jul 2021 15:39

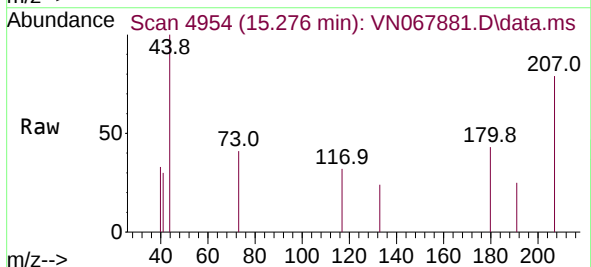
Instrument :
 MSVOA_N
 ClientSampled :



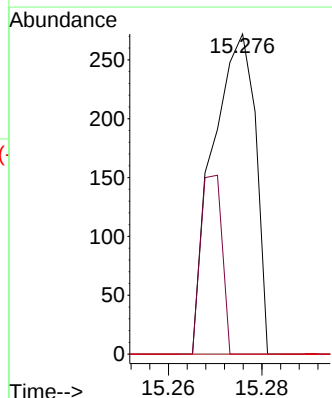
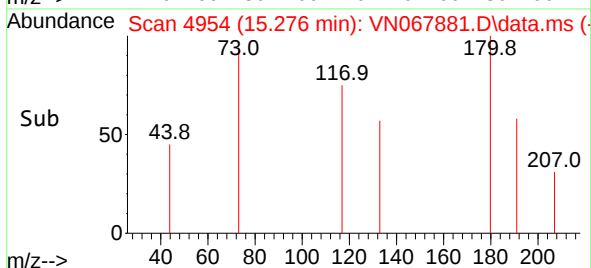
Tgt Ion:146 Resp: 1905
 Ion Ratio Lower Upper
 146 100
 111 190.4 23.4 70.2#
 148 45.9 31.8 95.3

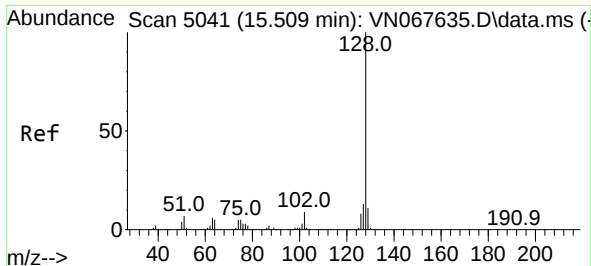


#93
 1,2,4-Trichlorobenzene
 Concen: 2.728 ug/l
 RT: 15.276 min Scan# 4954
 Delta R.T. 0.011 min
 Lab File: VN067881.D
 Acq: 23 Jul 2021 15:39



Tgt Ion:180 Resp: 172
 Ion Ratio Lower Upper
 180 100
 182 28.5 47.5 142.5#
 145 0.0 17.2 51.6#

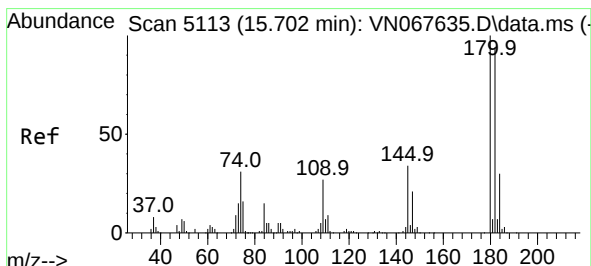
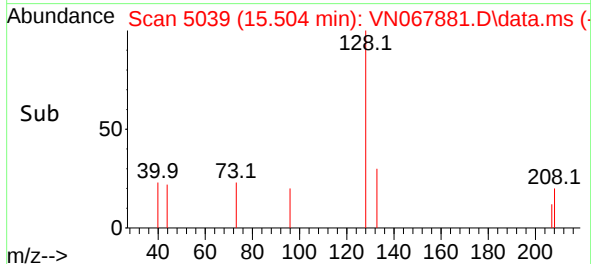
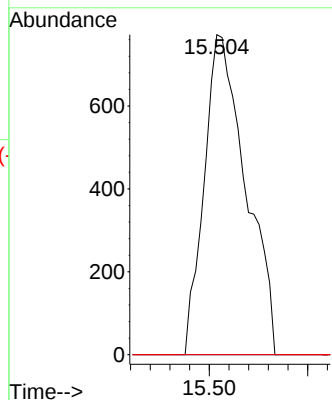
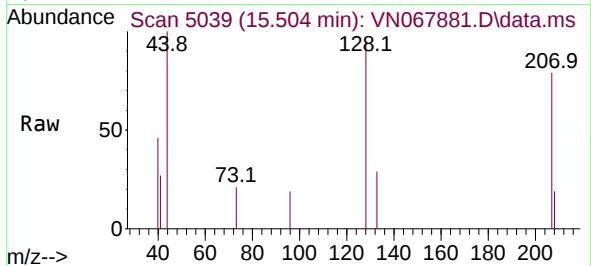




#95
Naphthalene
Concen: 3.131 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1134
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.667 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067881.D
Acq: 23 Jul 2021 15:39

Tgt Ion:180 Resp: 107
Ion Ratio Lower Upper
180 100
182 52.3 47.8 143.3
145 0.0 18.2 54.6#

