

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067878.D
 Acq On : 23 Jul 2021 14:26
 Operator : JC/MD
 Sample : M3160-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:41:50 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)

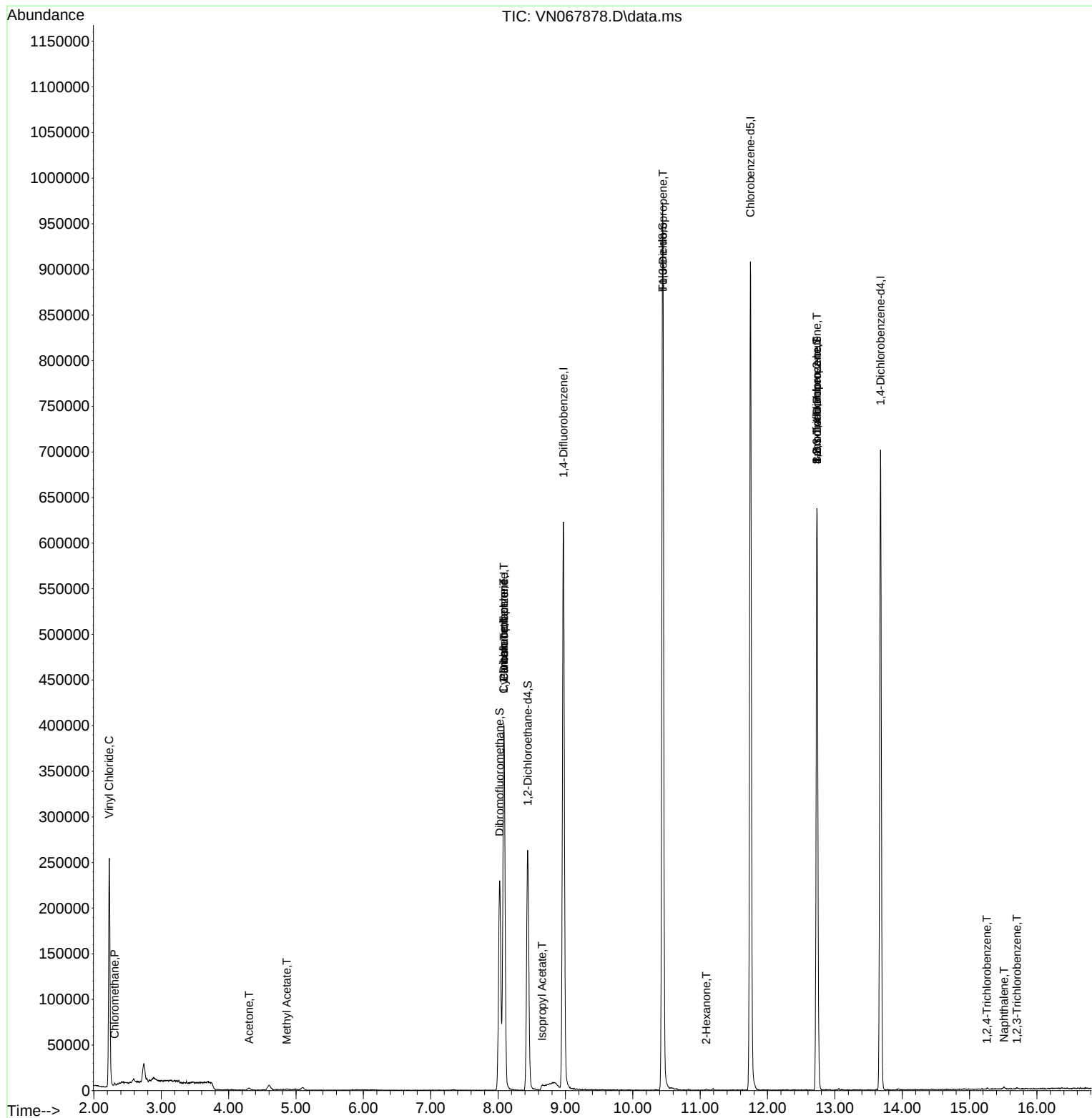
Internal Standards						
1) Pentafluorobenzene	8.088	168	285425	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	542995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	520574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	179119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	226613	52.534	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.060%	
35) Dibromofluoromethane	8.024	113	167586	51.083	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.160%	
50) Toluene-d8	10.443	98	702810	51.181	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.360%	
62) 4-Bromofluorobenzene	12.733	95	224309	46.241	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	1686	0.439	ug/l	92
4) Vinyl Chloride	2.225	62	3296	0.568	ug/l	# 1
5) Bromomethane	2.840	94	147	Below Cal	#	4
6) Chloroethane	3.003	64	51	Below Cal	#	44
13) Acrolein	4.033	56	212	Below Cal	#	66
16) Acetone	4.301	43	3608	2.658	ug/l	# 79
18) Methyl Acetate	4.865	43	1102	0.289	ug/l	# 83
20) Methylene Chloride	5.093	84	1396	Below Cal	#	76
31) Cyclohexane	8.083	56	8202	1.356	ug/l	# 40
36) 1,1-Dichloropropene	8.083	75	26667	5.287	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	31742	6.380	ug/l	# 17
43) Isopropyl Acetate	8.651	43	2827	0.329	ug/l	# 58
53) t-1,3-Dichloropropene	10.448	75	24	1.748	ug/l	# 30
59) 2-Hexanone	11.092	43	1400	0.380	ug/l	# 52
71) Bromoform	12.733	173	1040	3.468	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	124022	33.905	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	124022	109.313	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.257	180	183	2.732	ug/l	# 84
95) Naphthalene	15.509	128	3033	3.337	ug/l	# 81
96) 1,2,3-Trichlorobenzene	15.702	180	624	2.839	ug/l	# 45

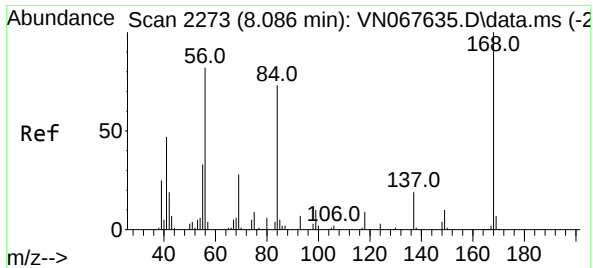
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

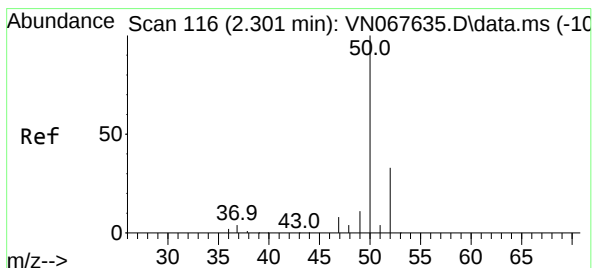
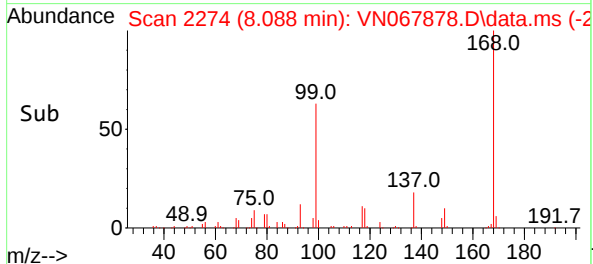
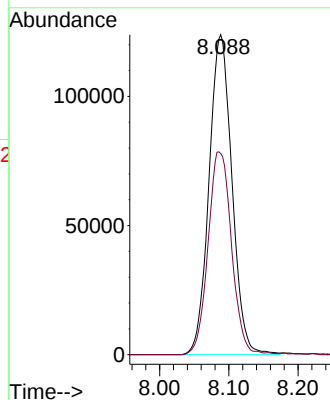
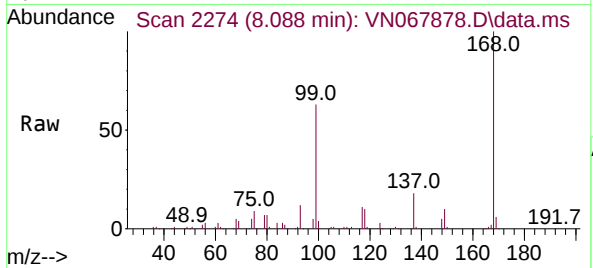




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

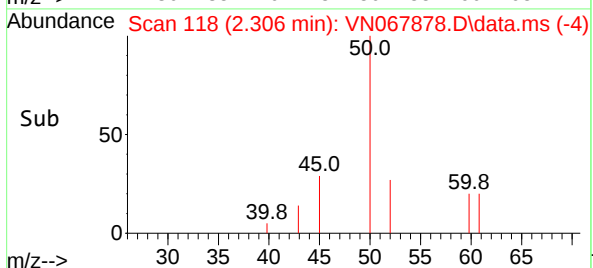
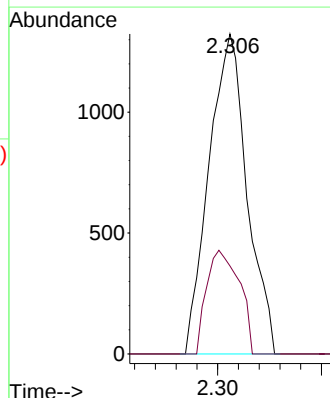
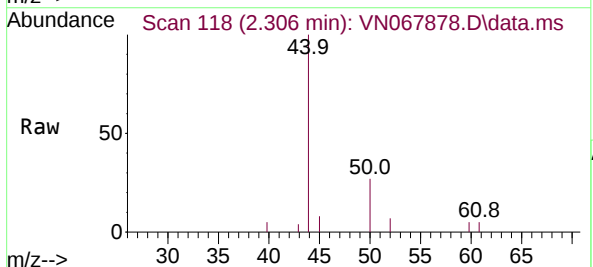
Instrument :
MSVOA_N
ClientSampleId :

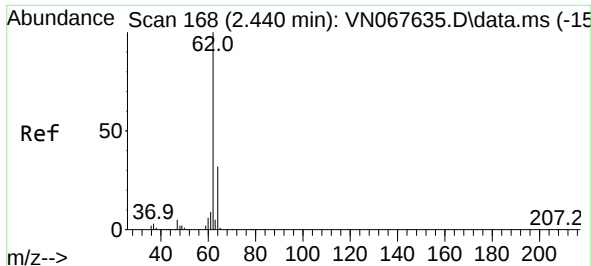
Tgt Ion:168 Resp: 285425
Ion Ratio Lower Upper
168 100
99 62.9 62.9 94.3#



#3
Chloromethane
Concen: 0.439 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion: 50 Resp: 1686
Ion Ratio Lower Upper
50 100
52 27.5 25.6 38.4

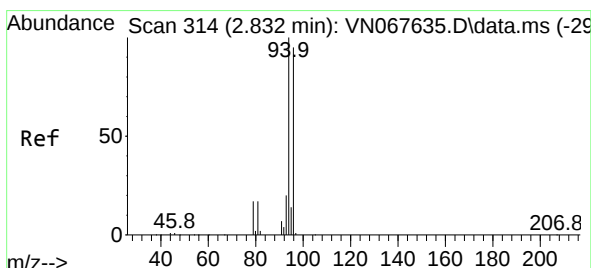
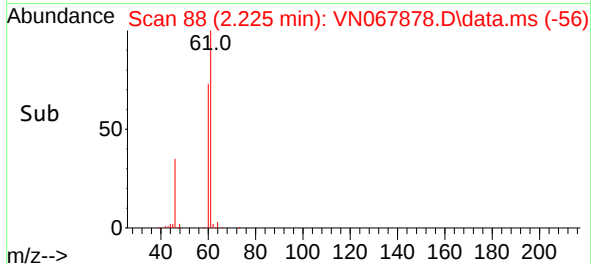
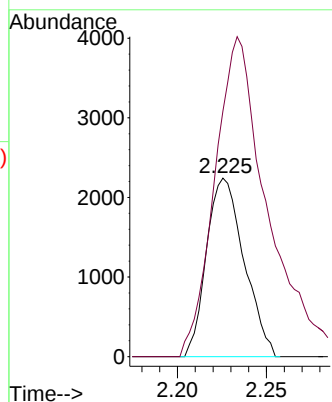
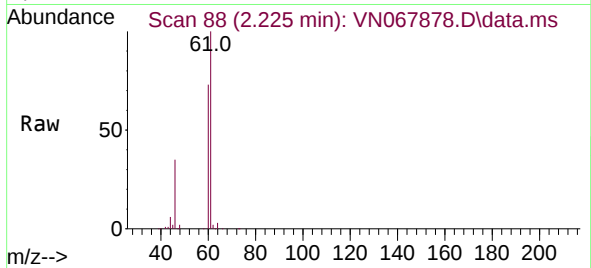




#4
 Vinyl Chloride
 Concen: 0.568 ug/l
 RT: 2.225 min Scan# 88
 Delta R.T. -0.215 min
 Lab File: VN067878.D
 Acq: 23 Jul 2021 14:26

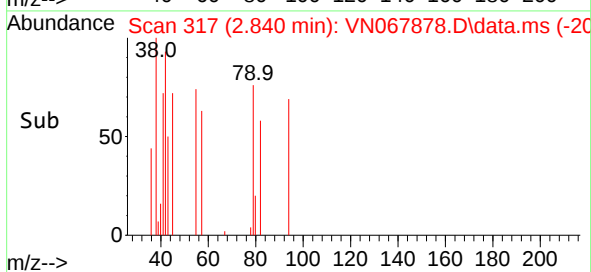
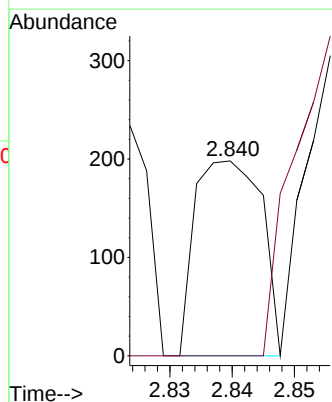
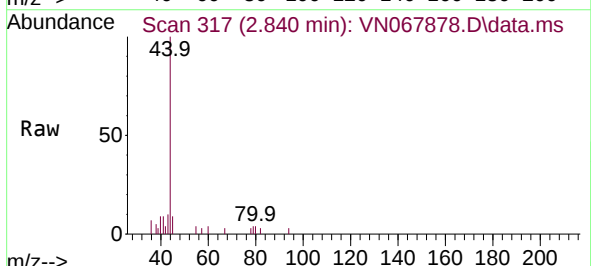
Instrument :
 MSVOA_N
 ClientSampleId :

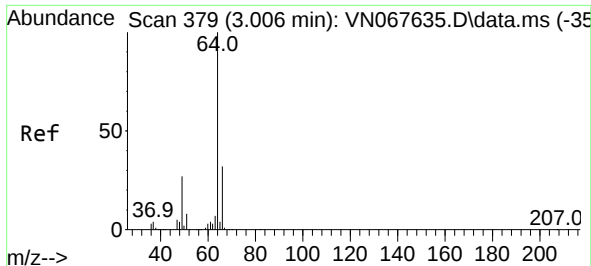
Tgt Ion: 62 Resp: 3296
 Ion Ratio Lower Upper
 62 100
 64 137.5 24.4 36.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.840 min Scan# 317
 Delta R.T. 0.008 min
 Lab File: VN067878.D
 Acq: 23 Jul 2021 14:26

Tgt Ion: 94 Resp: 147
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.7 110.5#

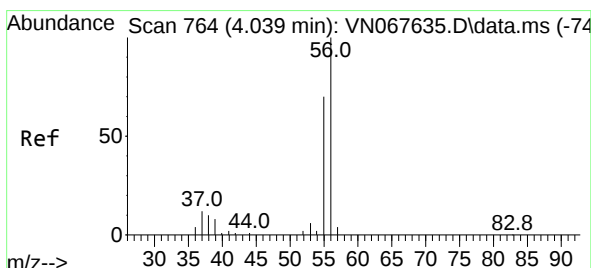
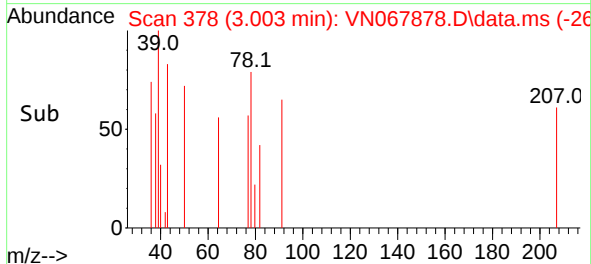
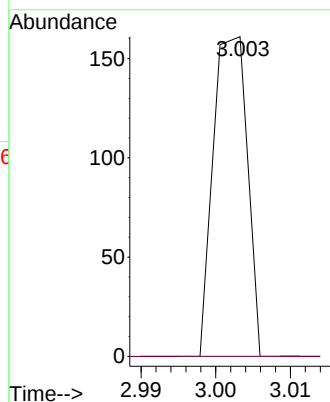
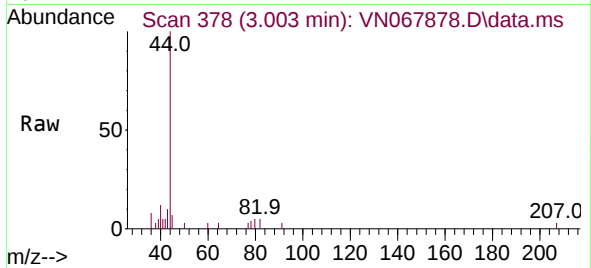




#6
Chloroethane
Concen: Below Cal
RT: 3.003 min Scan# 378
Delta R.T. -0.003 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

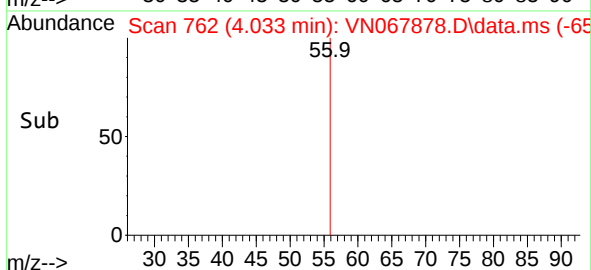
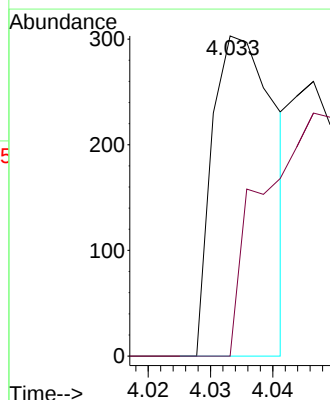
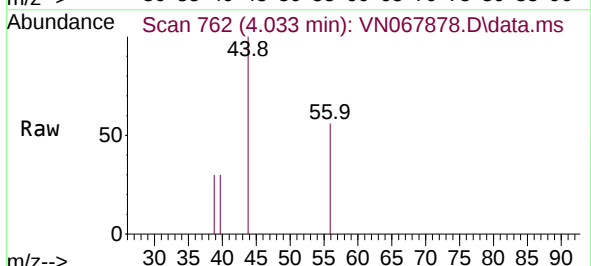
Instrument :
MSVOA_N
ClientSampled :

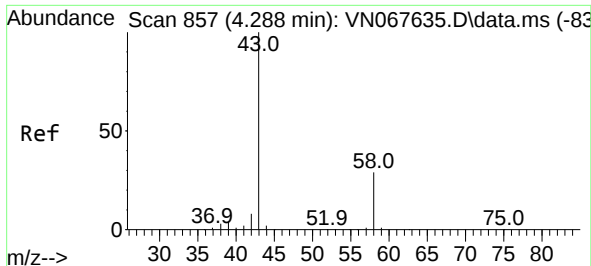
Tgt Ion: 64 Resp: 51
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 100.0 57.4 86.0#

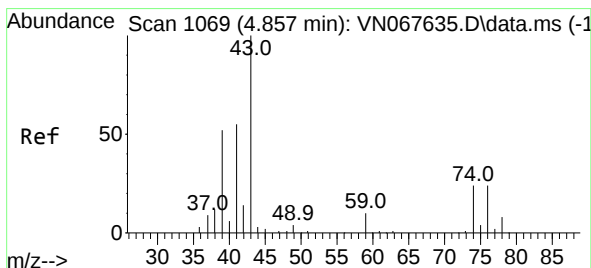
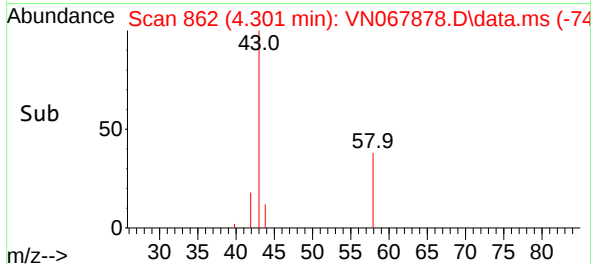
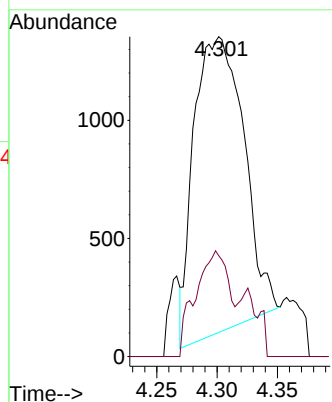
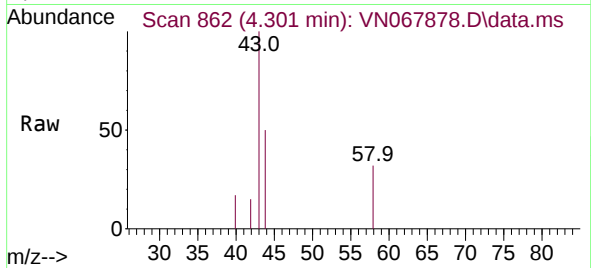




#16
Acetone
Concen: 2.658 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

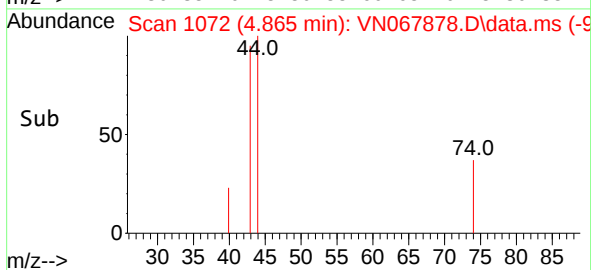
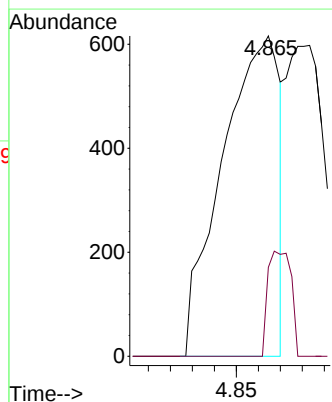
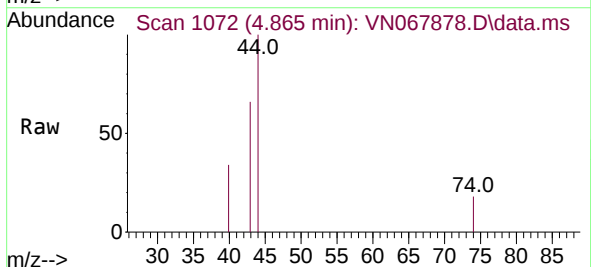
Instrument :
MSVOA_N
ClientSampled :

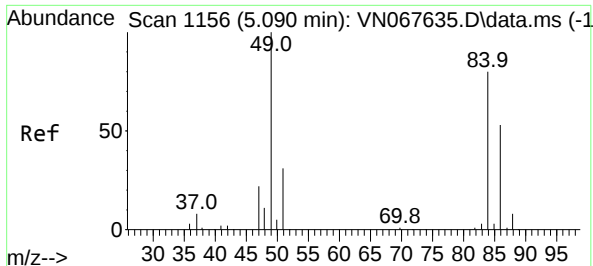
Tgt Ion: 43 Resp: 3608
Ion Ratio Lower Upper
43 100
58 37.3 21.2 31.8#



#18
Methyl Acetate
Concen: 0.289 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

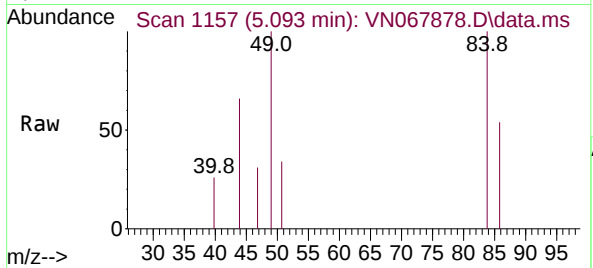
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
74 13.4 17.4 26.0#



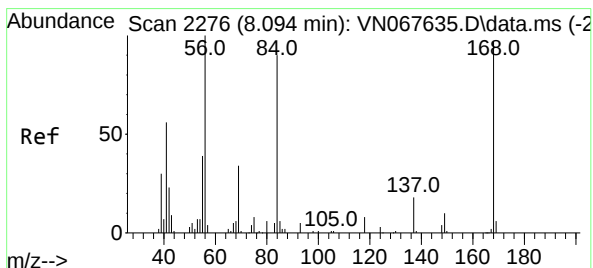
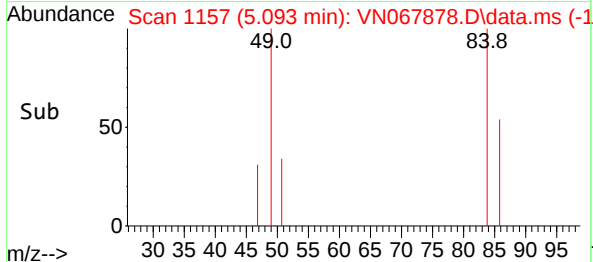
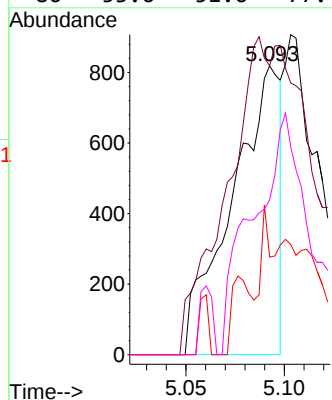


#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Instrument :
MSVOA_N
ClientSampled :

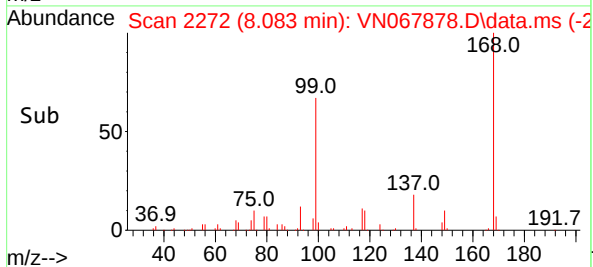
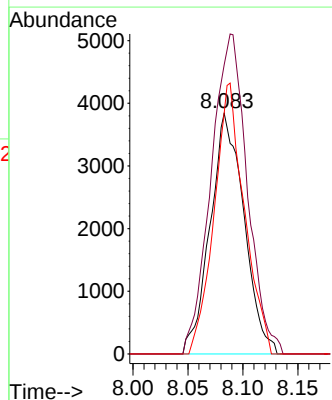
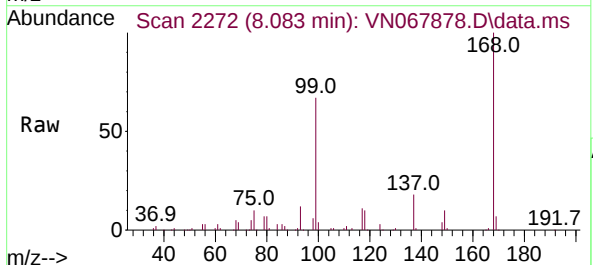


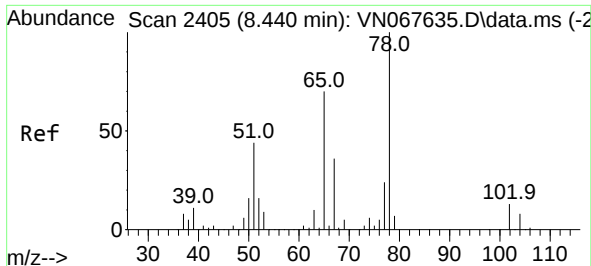
Tgt Ion:	84	Resp:	1396
Ion	Ratio	Lower	Upper
84	100		
49	100.0	110.9	166.3#
51	33.8	32.6	49.0
86	53.6	51.6	77.4



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion:	56	Resp:	8202
Ion	Ratio	Lower	Upper
56	100		
69	120.2	27.3	40.9#
84	100.2	64.9	97.3#



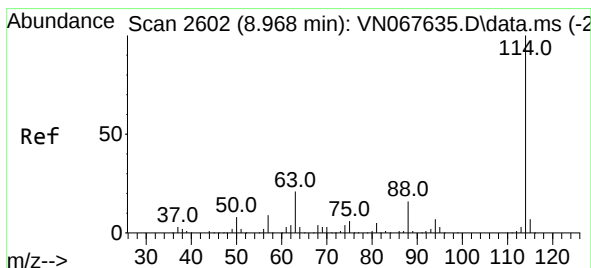
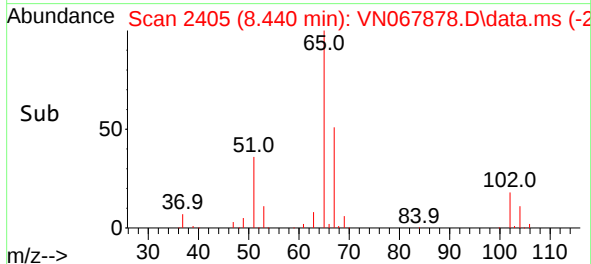
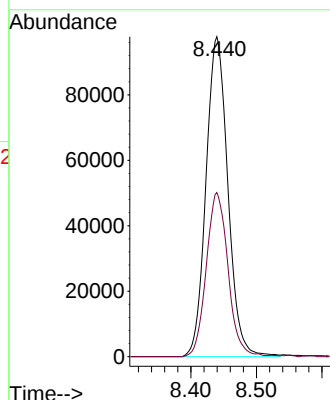
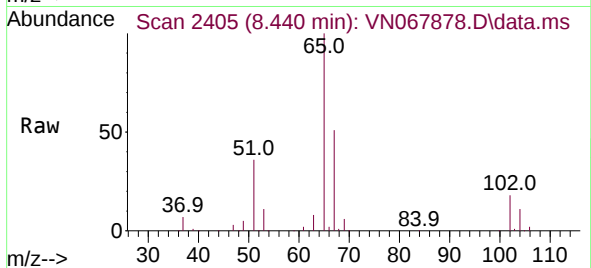


#33

1,2-Dichloroethane-d4
Concen: 52.534 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Instrument :
MSVOA_N
ClientSampled :

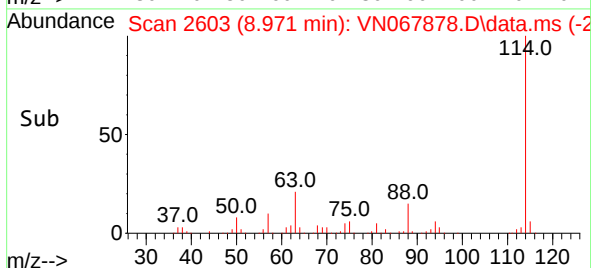
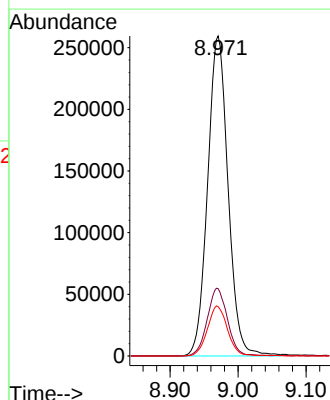
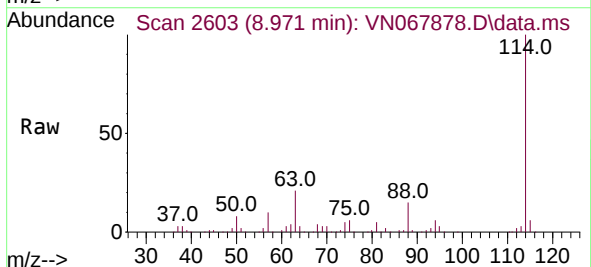
Tgt Ion: 65 Resp: 226613
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.6

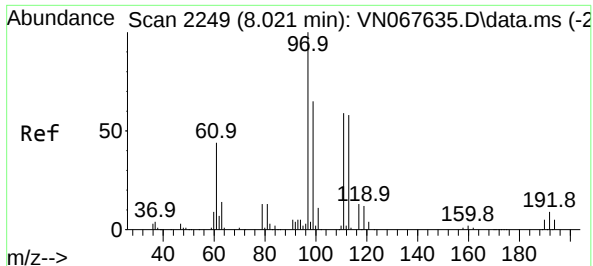


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion: 114 Resp: 542995
Ion Ratio Lower Upper
114 100
63 21.0 0.0 49.0
88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.083 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN067878.D

Acq: 23 Jul 2021 14:26

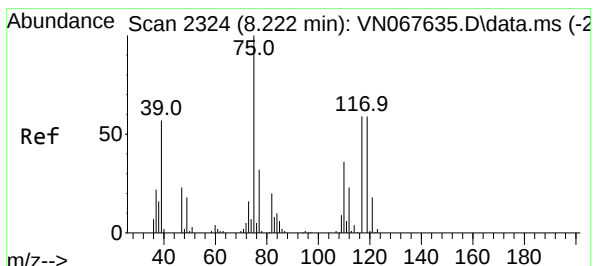
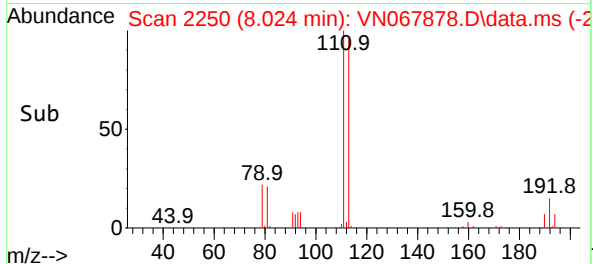
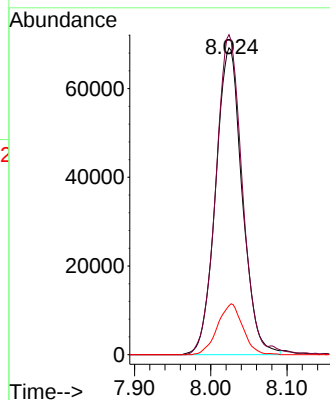
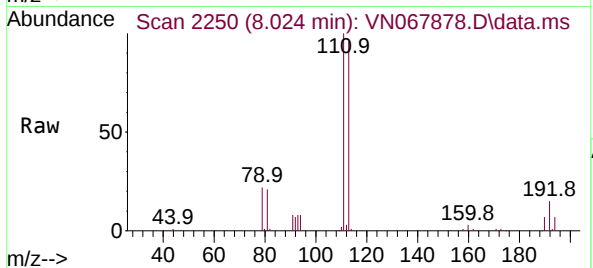
Tgt Ion:113 Resp: 167586

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.8

192 15.8 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.287 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.139 min

Lab File: VN067878.D

Acq: 23 Jul 2021 14:26

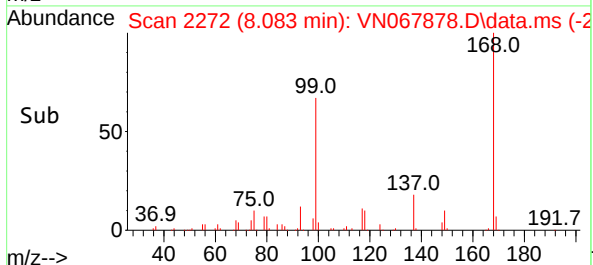
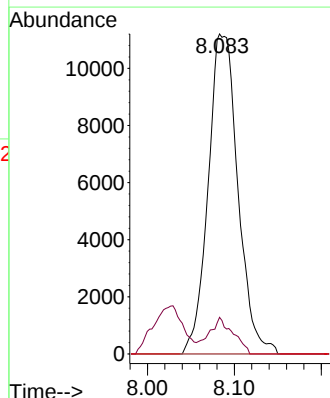
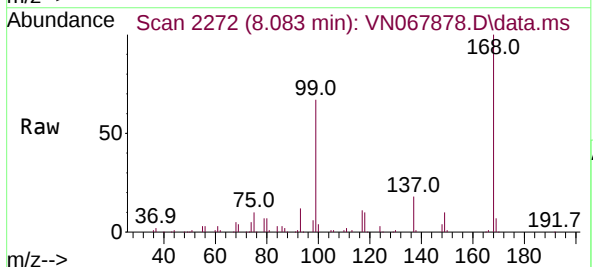
Tgt Ion: 75 Resp: 26667

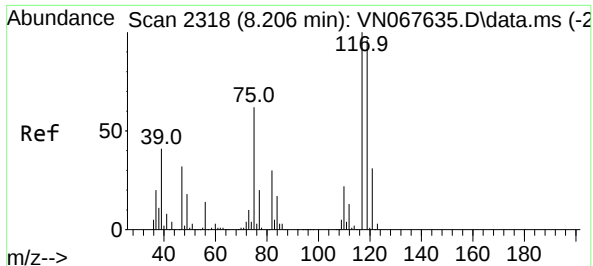
Ion Ratio Lower Upper

75 100

110 8.8 15.7 47.0#

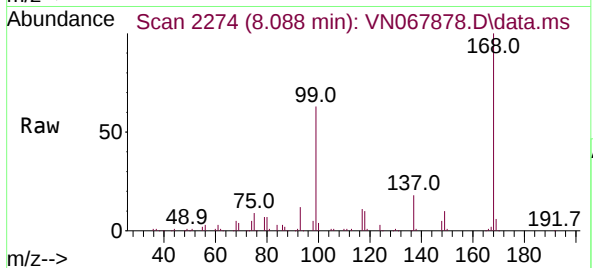
77 0.0 24.6 37.0#



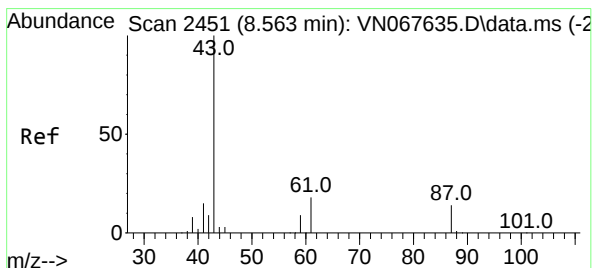
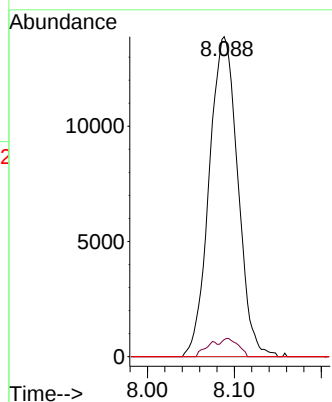
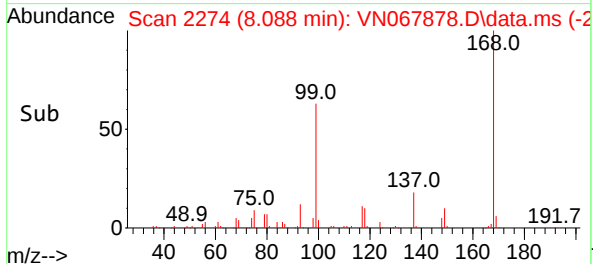


#38
Carbon Tetrachloride
Concen: 6.380 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

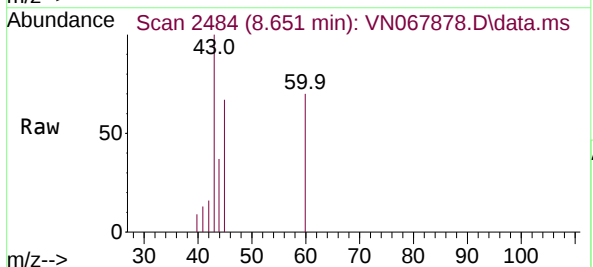
Instrument :
MSVOA_N
ClientSampleId :



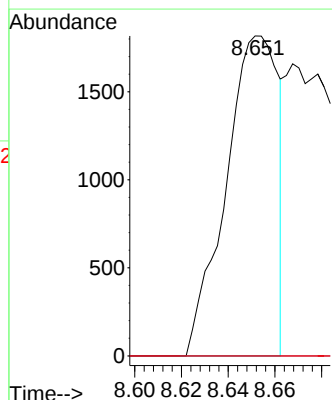
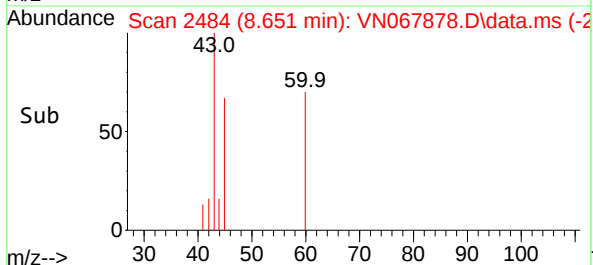
Tgt Ion:117 Resp: 31742
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#

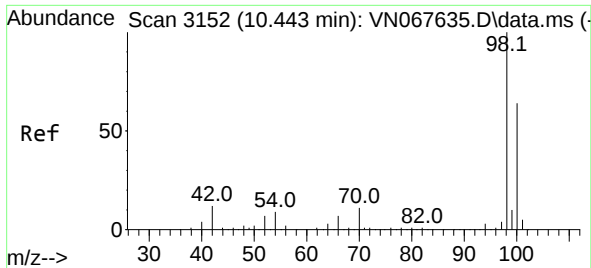


#43
Isopropyl Acetate
Concen: 0.329 ug/l
RT: 8.651 min Scan# 2484
Delta R.T. 0.088 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26



Tgt Ion: 43 Resp: 2827
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

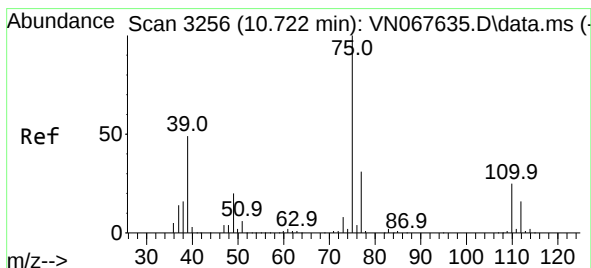
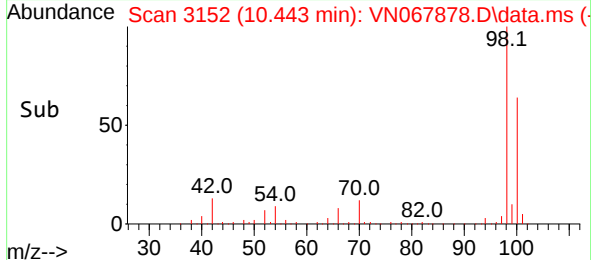
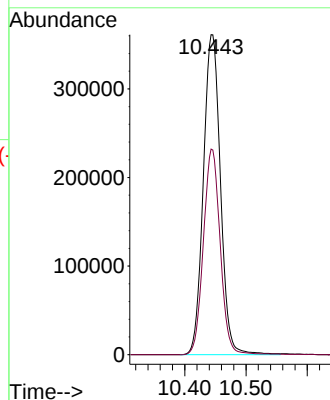
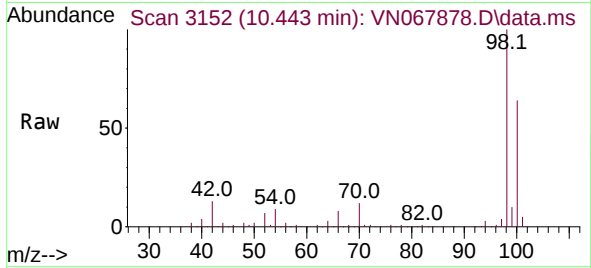




#50
Toluene-d8
Concen: 51.181 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

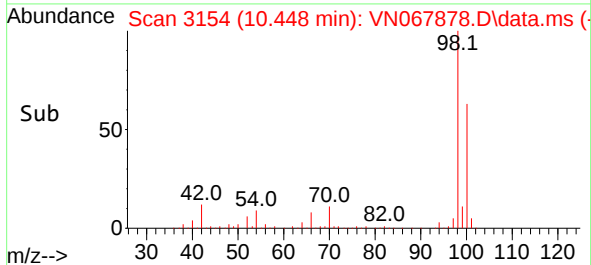
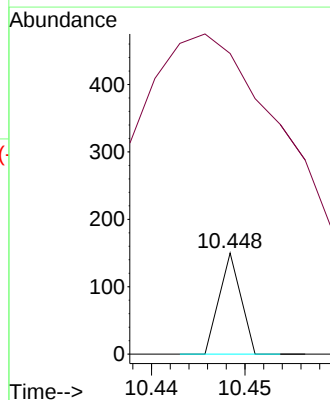
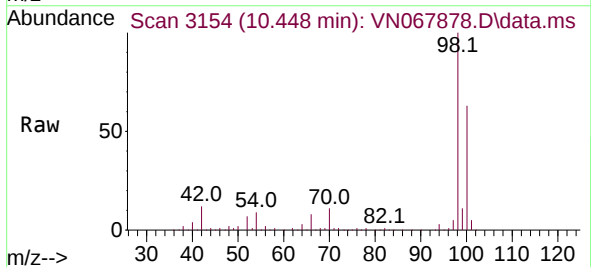
Instrument :
MSVOA_N
ClientSampled :

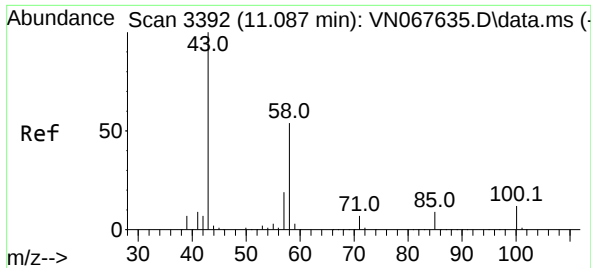
Tgt Ion: 98 Resp: 702810
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.274 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 70.0 25.1 37.7#

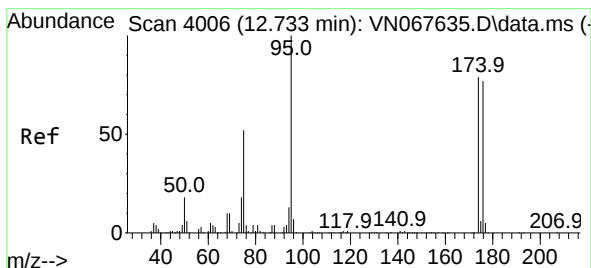
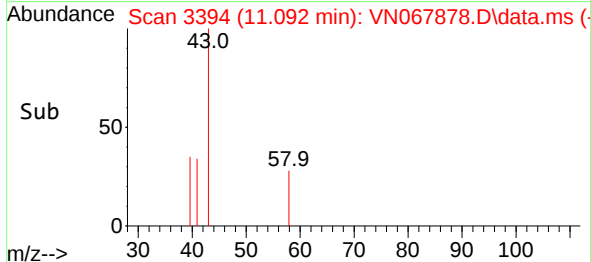
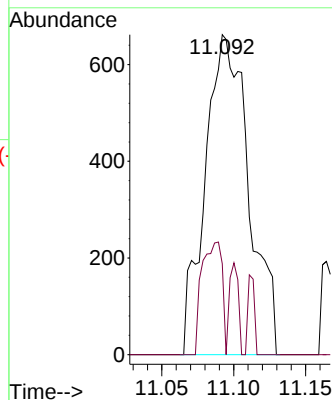
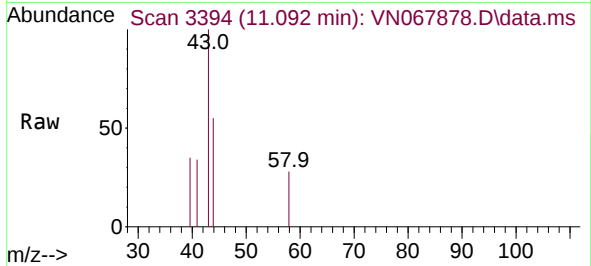




#59
2-Hexanone
Concen: 0.380 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

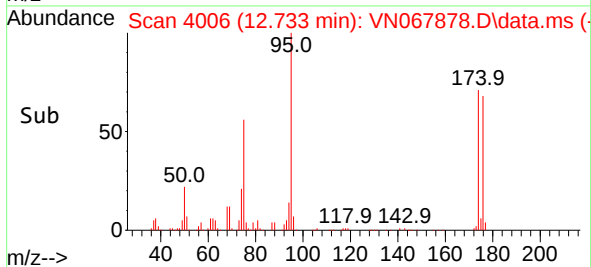
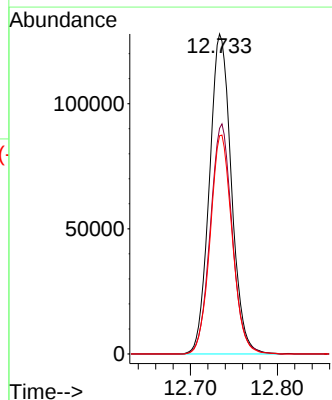
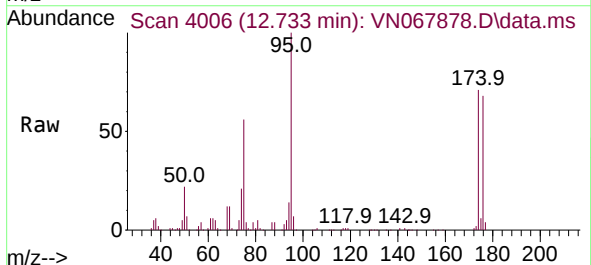
Instrument :
MSVOA_N
ClientSampleId :

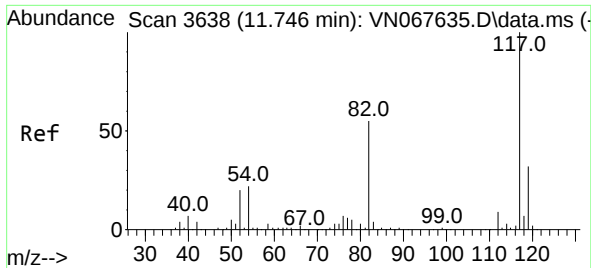
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 16.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 46.241 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion: 95 Resp: 224309
Ion Ratio Lower Upper
95 100
174 71.7 0.0 122.0
176 68.5 0.0 117.6

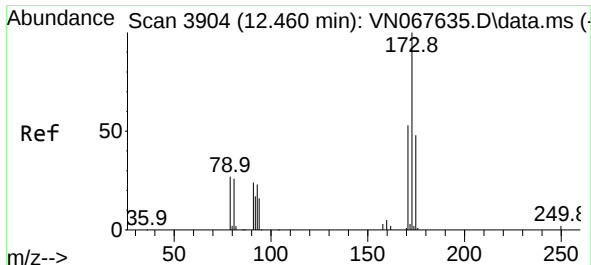
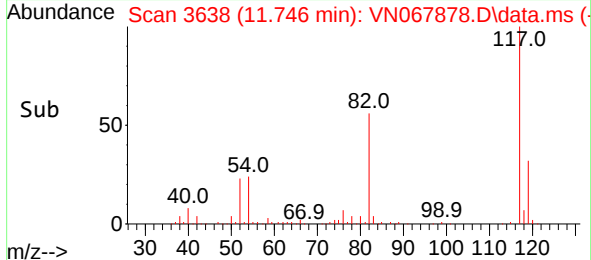
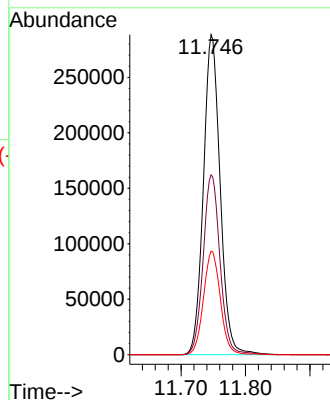
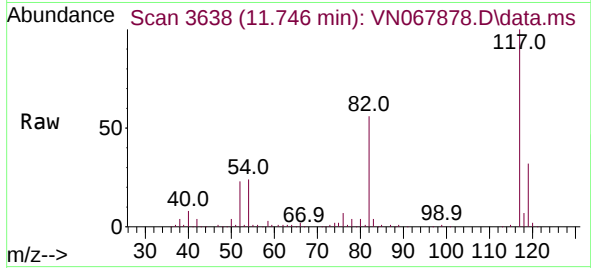




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

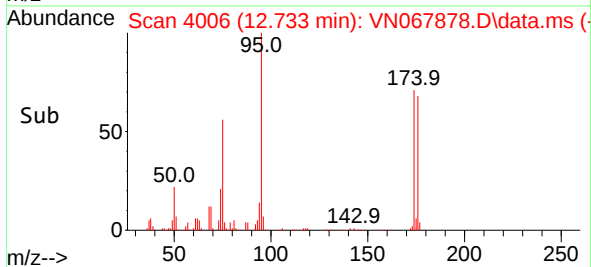
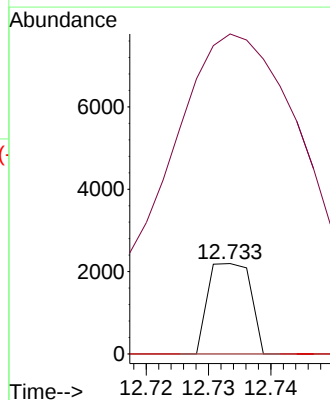
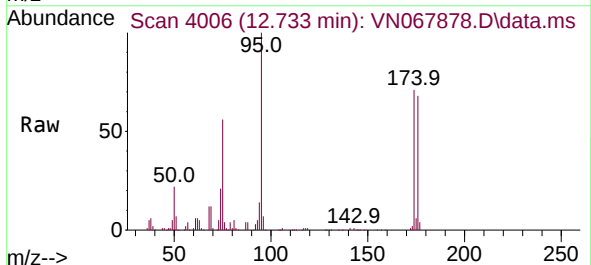
Instrument :
MSVOA_N
ClientSampleId :

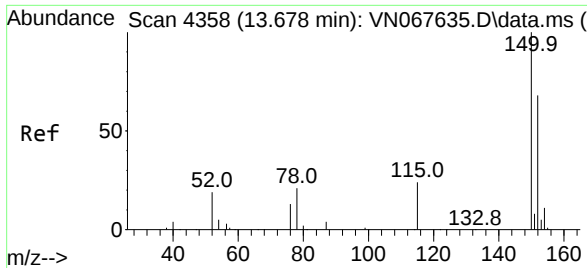
Tgt Ion:117 Resp: 520574
Ion Ratio Lower Upper
117 100
82 56.2 53.1 79.7
119 32.4 25.5 38.3



#71
Bromoform
Concen: 3.468 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion:173 Resp: 1040
Ion Ratio Lower Upper
173 100
175 1178.8 23.9 71.8#
254 0.0 0.0 0.0

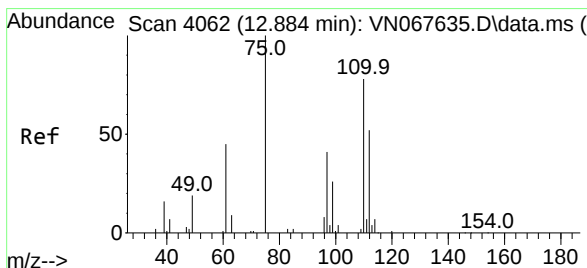
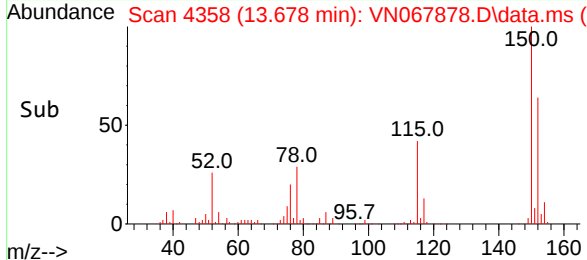
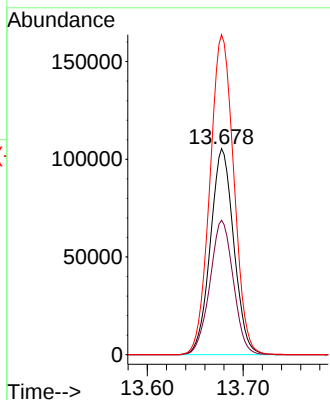
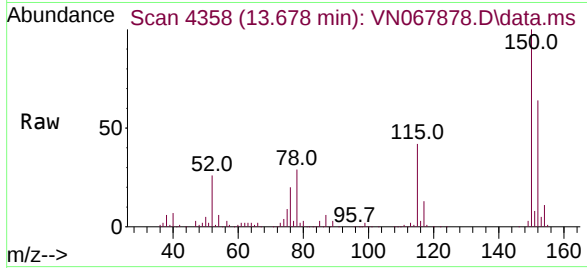




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN067878.D
 Acq: 23 Jul 2021 14:26

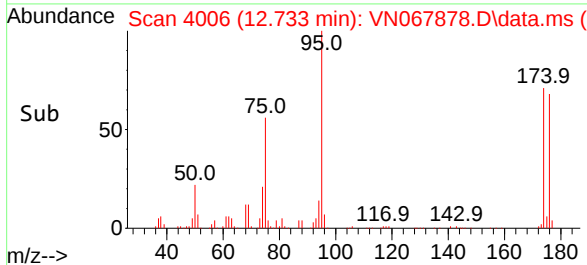
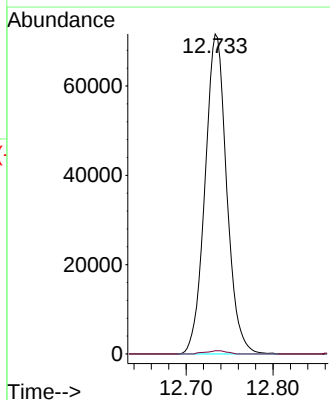
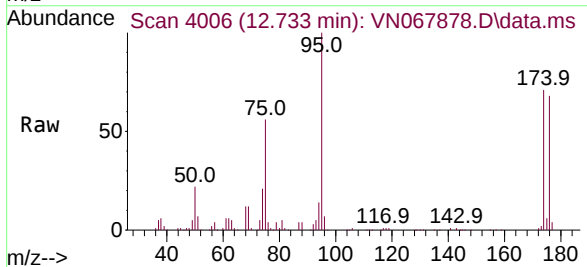
Instrument :
 MSVOA_N
 ClientSampleId :

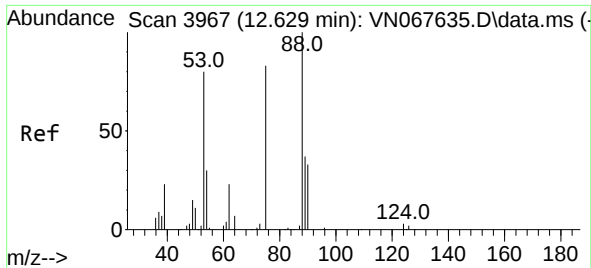
Tgt Ion:152 Resp: 179119
 Ion Ratio Lower Upper
 152 100
 115 65.2 36.1 108.5
 150 158.1 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.905 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067878.D
 Acq: 23 Jul 2021 14:26

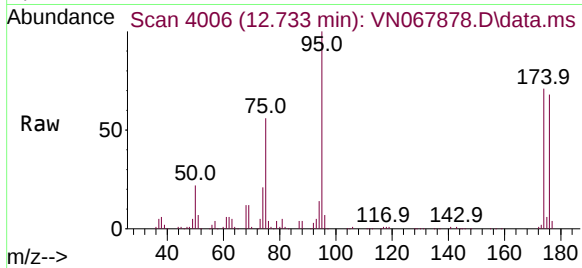
Tgt Ion: 75 Resp: 124022
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



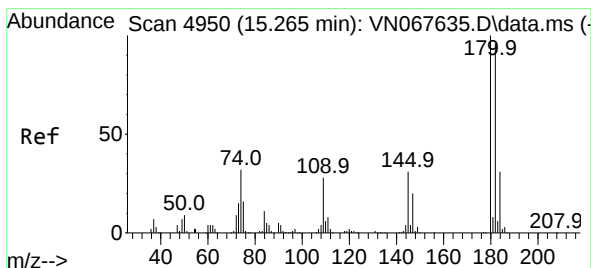
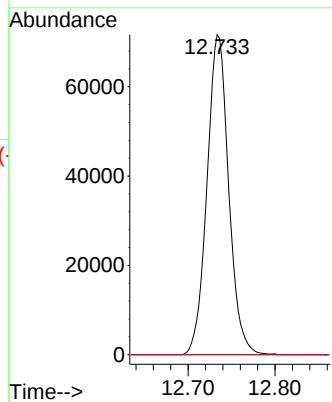
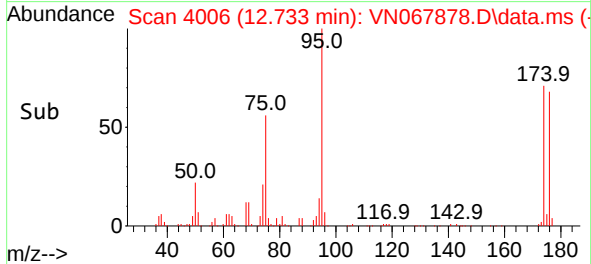


#81
trans-1,4-Dichloro-2-butene
Concen: 109.313 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

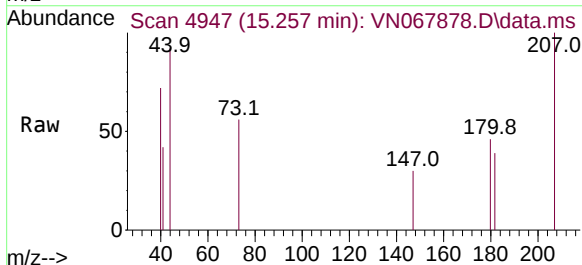
Instrument :
MSVOA_N
ClientSampled :



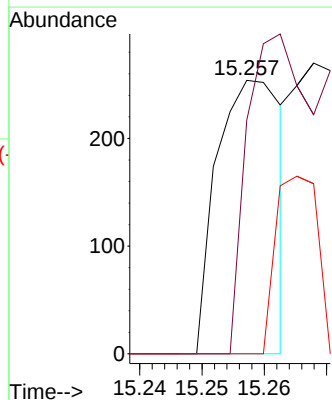
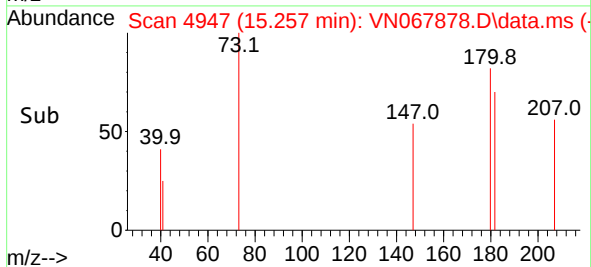
Tgt Ion: 75 Resp: 124022
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

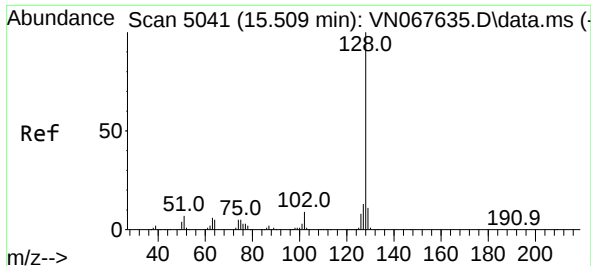


#93
1,2,4-Trichlorobenzene
Concen: 2.732 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26



Tgt Ion:180 Resp: 183
Ion Ratio Lower Upper
180 100
182 112.0 47.5 142.5
145 42.1 17.2 51.6

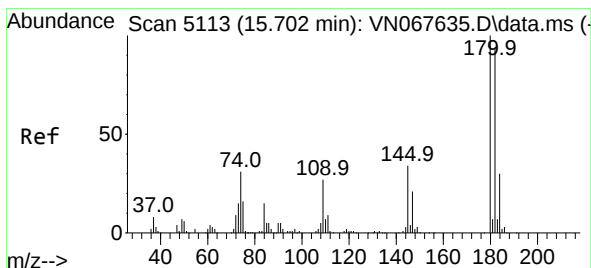
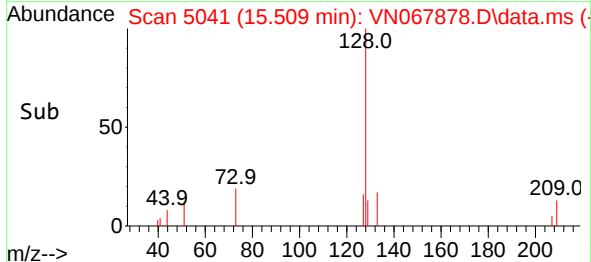
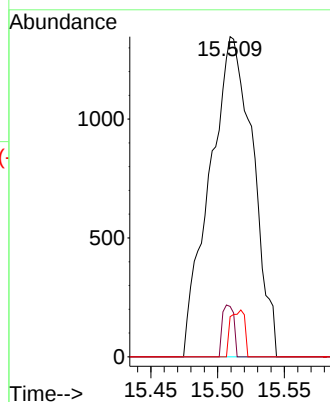
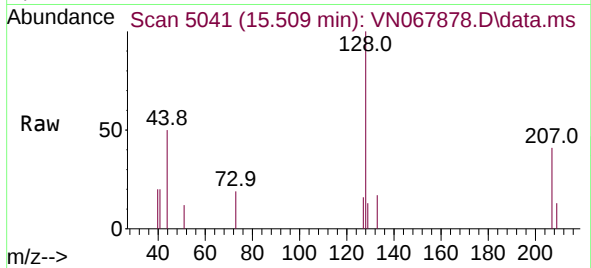




#95
Naphthalene
Concen: 3.337 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3033
Ion Ratio Lower Upper
128 100
127 4.3 10.6 15.8#
129 4.8 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.839 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067878.D
Acq: 23 Jul 2021 14:26

Tgt Ion:180 Resp: 624
Ion Ratio Lower Upper
180 100
182 44.1 47.8 143.3#
145 0.0 18.2 54.6#

