

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067775.D
 Acq On : 16 Jul 2021 16:09
 Operator : JC/MD
 Sample : M3051-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

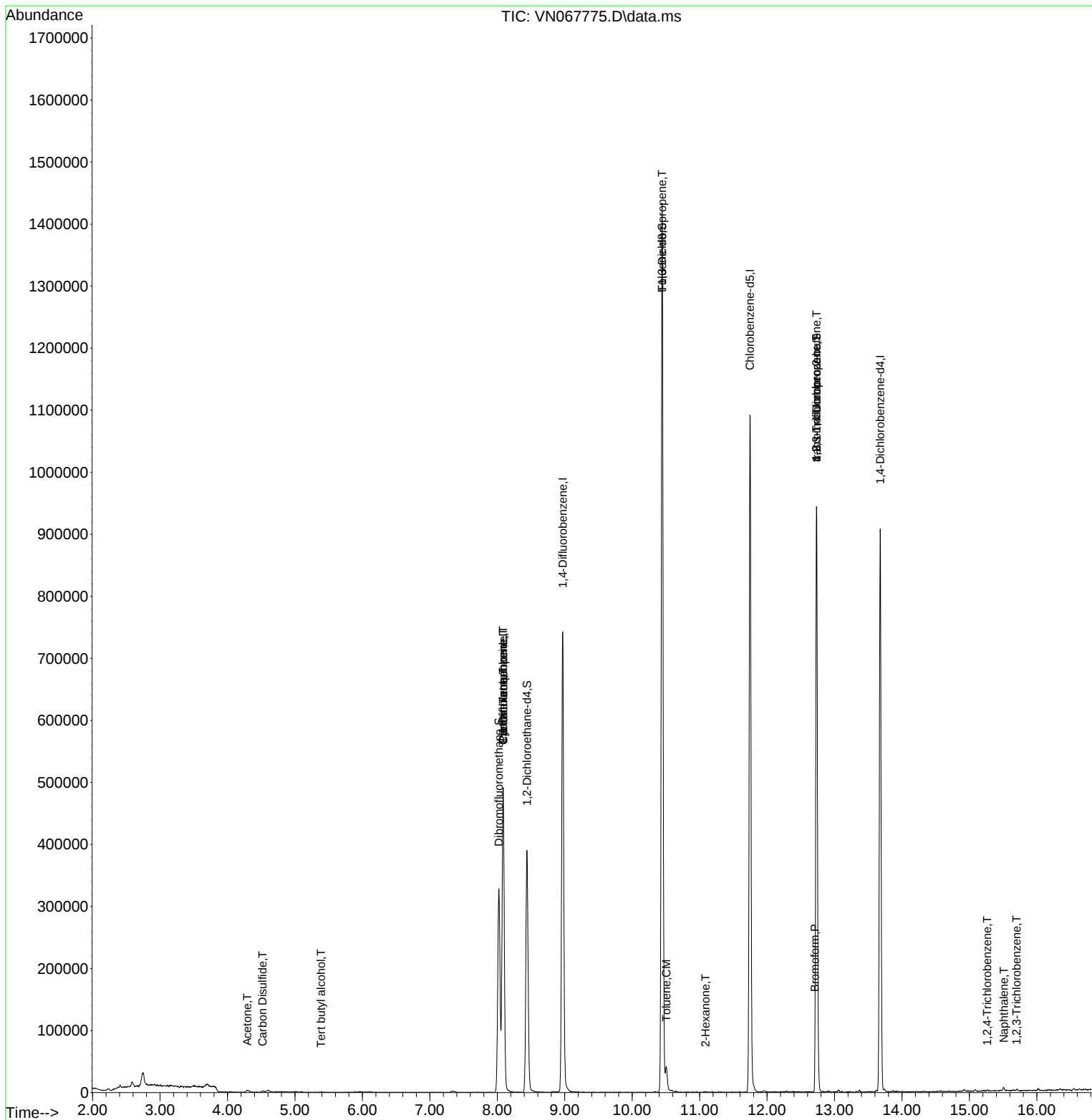
Quant Time: Jul 17 04:58:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

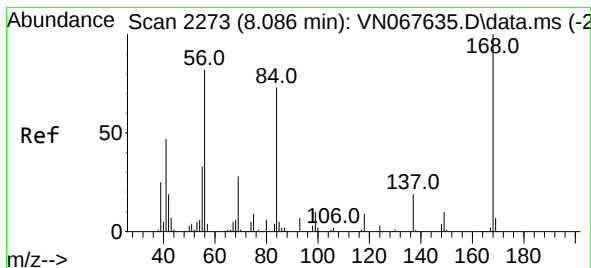
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	348799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	647917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	623545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	226873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	332444	63.065	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 126.140%			
35) Dibromofluoromethane	8.021	113	238131	60.832	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 121.660%			
50) Toluene-d8	10.443	98	994546	60.697	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 121.400%			
62) 4-Bromofluorobenzene	12.733	95	326888	56.475	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.853	94	550	Below Cal	#	53
6) Chloroethane	3.025	64	123	Below Cal	#	44
11) Tert butyl alcohol	5.385	59	209	0.276	ug/l #	71
13) Acrolein	4.033	56	313	Below Cal	#	23
16) Acetone	4.293	43	6919	4.171	ug/l	92
17) Carbon Disulfide	4.521	76	3505	0.408	ug/l #	74
20) Methylene Chloride	5.090	84	232	Below Cal	#	46
31) Cyclohexane	8.086	56	9632	1.303	ug/l #	16
36) 1,1-Dichloropropene	8.088	75	33387	5.547	ug/l #	48
38) Carbon Tetrachloride	8.086	117	38676	6.515	ug/l #	17
52) Toluene	10.507	92	13142	1.114	ug/l	96
53) t-1,3-Dichloropropene	10.443	75	243	1.775	ug/l #	40
59) 2-Hexanone	11.087	43	1084	0.246	ug/l	83
71) Bromoform	12.709	173	39	3.185	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	188800	40.750	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	188800	131.381	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	802	2.875	ug/l	78
95) Naphthalene	15.509	128	5464	3.474	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.700	180	465	2.754	ug/l	97

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

Quant Time: Jul 17 04:58:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067775.D

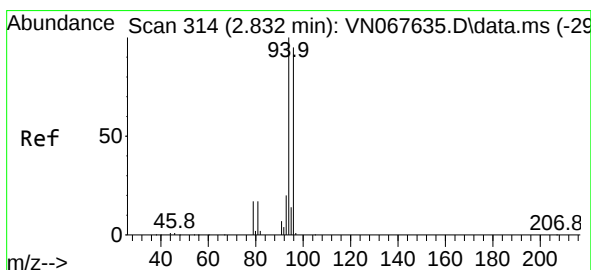
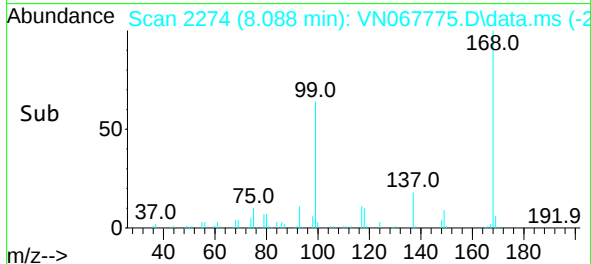
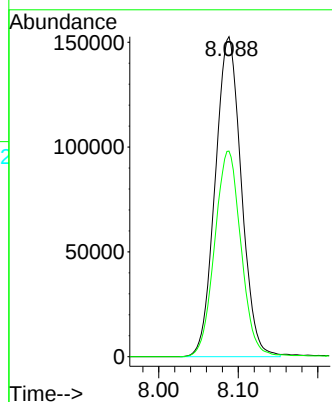
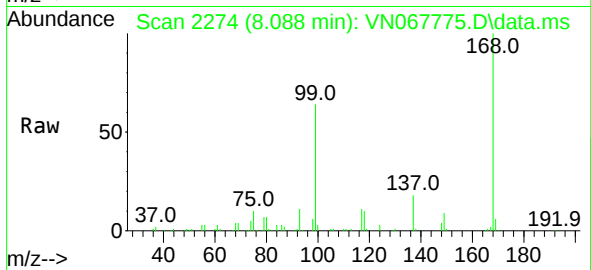
Acq: 16 Jul 2021 16:09

Tgt Ion:168 Resp: 348799

Ion Ratio Lower Upper

168 100

99 64.3 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.853 min Scan# 322

Delta R.T. 0.021 min

Lab File: VN067775.D

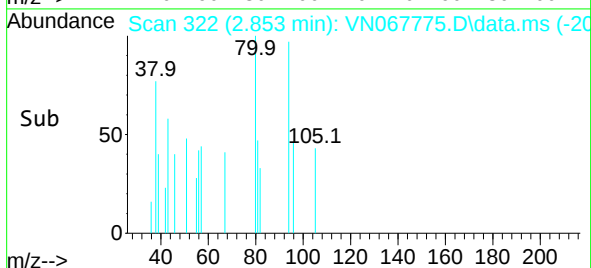
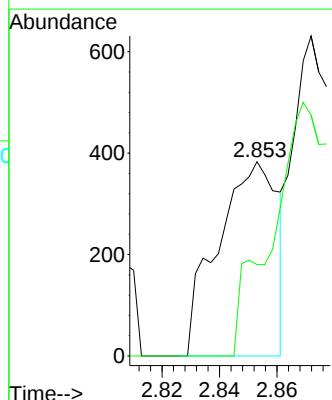
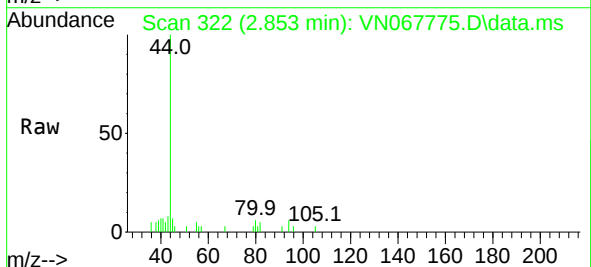
Acq: 16 Jul 2021 16:09

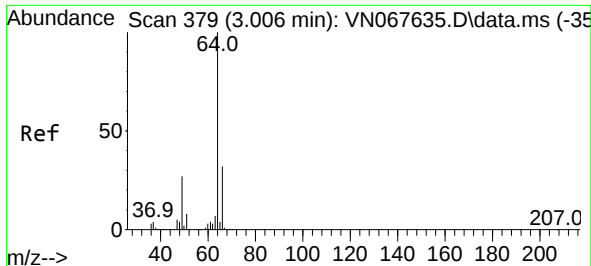
Tgt Ion: 94 Resp: 550

Ion Ratio Lower Upper

94 100

96 47.0 73.7 110.5#

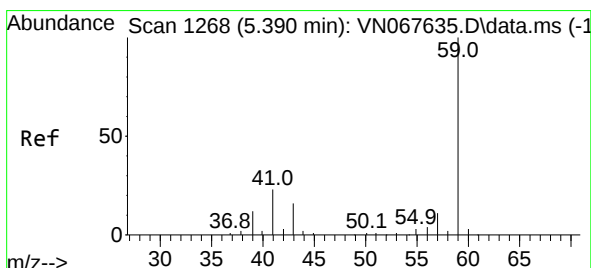
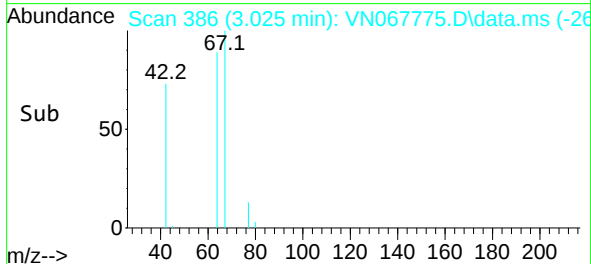
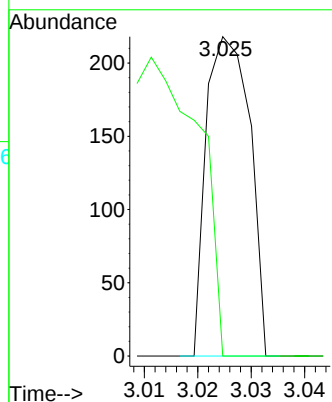
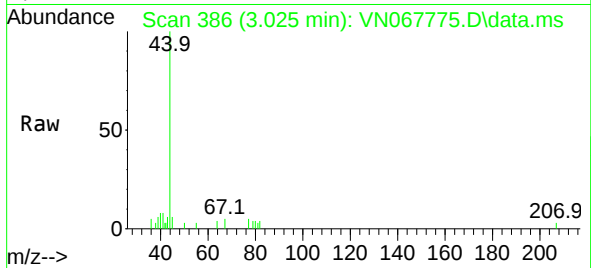




#6
Chloroethane
Concen: Below Cal
RT: 3.025 min Scan# 386
Delta R.T. 0.019 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

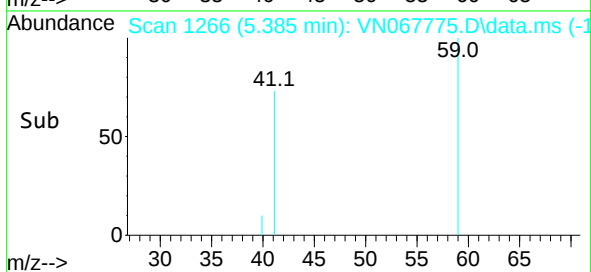
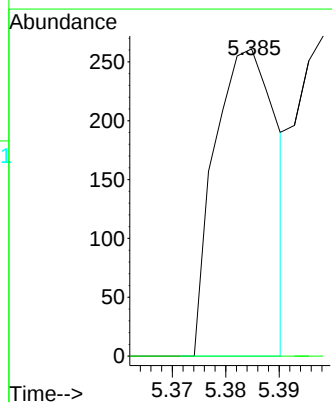
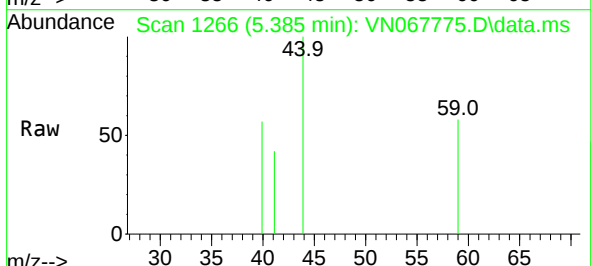
Instrument :
MSVOA_N
ClientSampled :

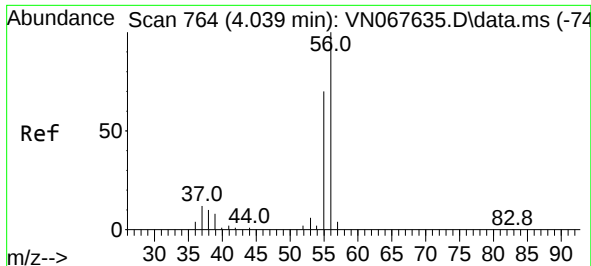
Tgt Ion: 64 Resp: 123
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

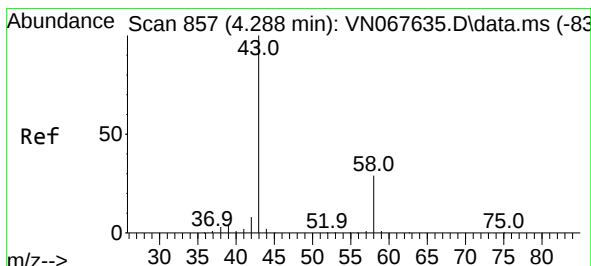
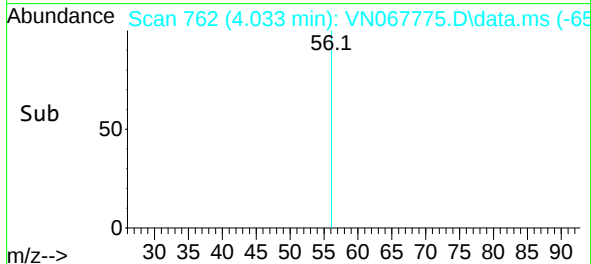
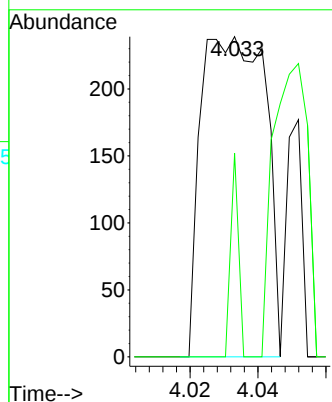
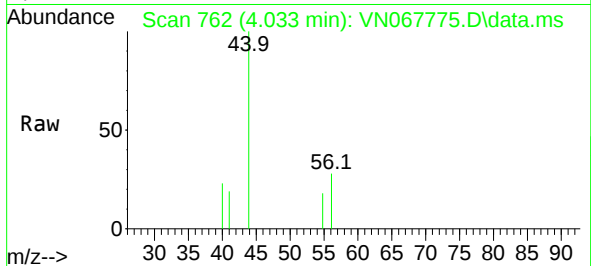




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

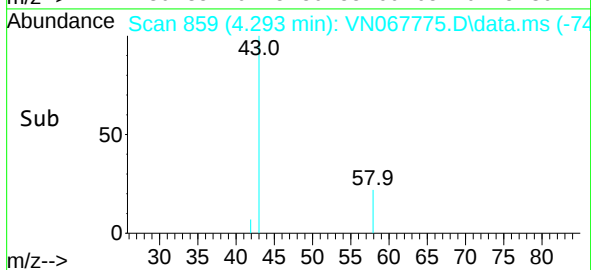
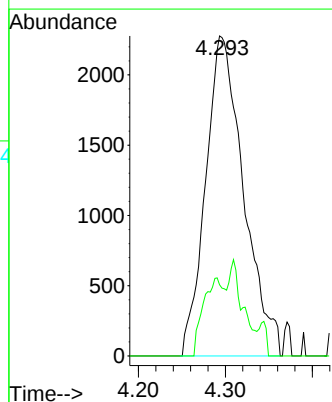
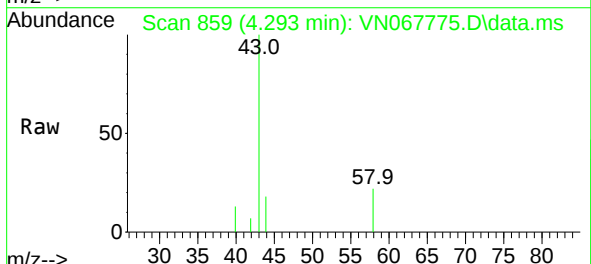
Instrument :
MSVOA_N
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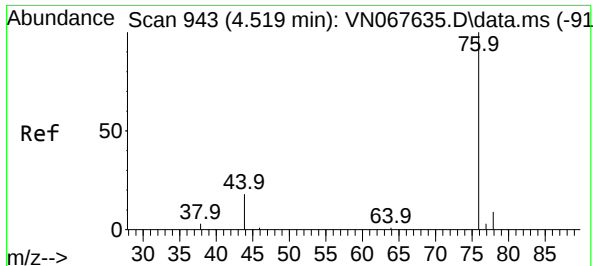
Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 7.7 57.4 86.0#



#16
Acetone
Concen: 4.171 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

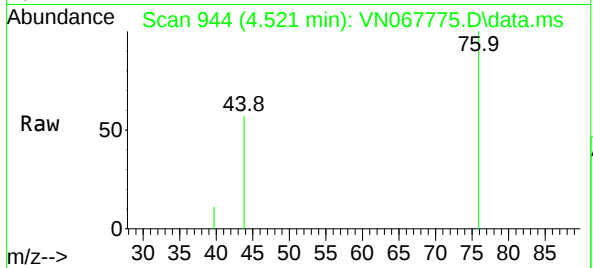
Tgt Ion: 43 Resp: 6919
Ion Ratio Lower Upper
43 100
58 22.3 21.2 31.8



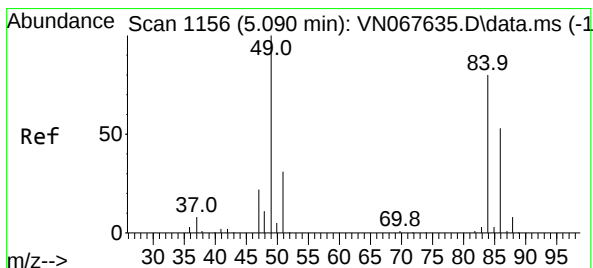
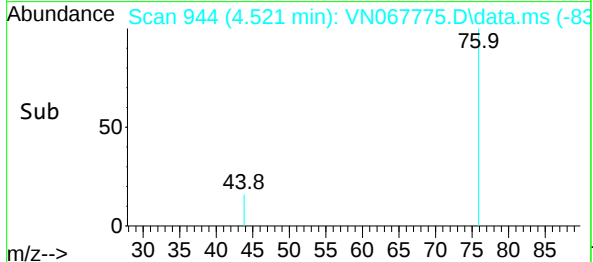
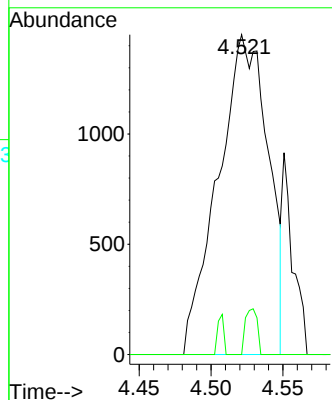


#17
Carbon Disulfide
Concen: 0.408 ug/l
RT: 4.521 min Scan# 944
Delta R.T. 0.002 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Instrument :
MSVOA_N
ClientSampled :

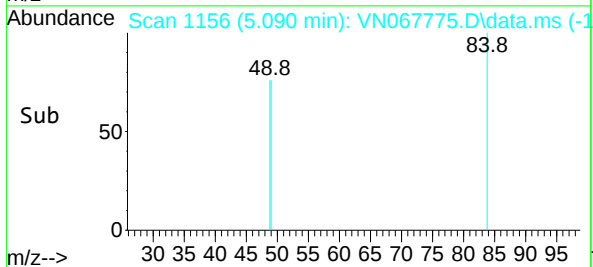
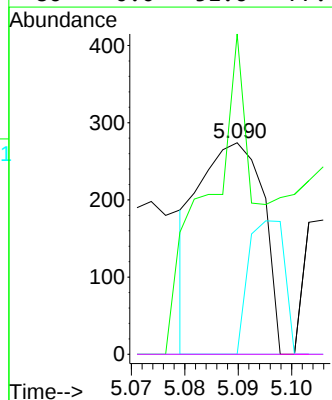
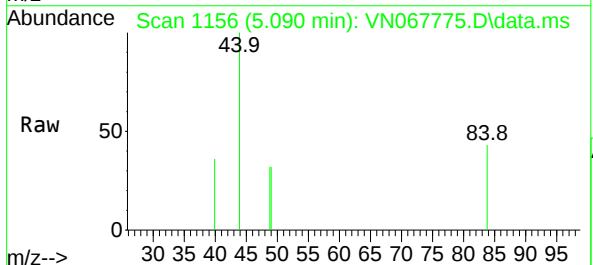


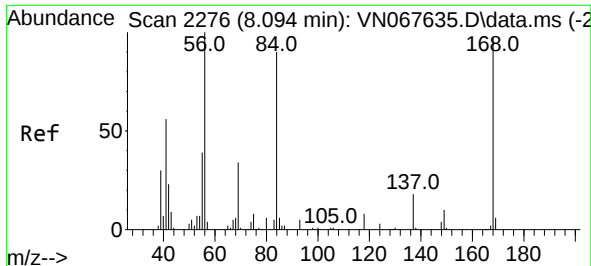
Tgt Ion: 76 Resp: 3505
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.090 min Scan# 1156
Delta R.T. -0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion: 84 Resp: 232
Ion Ratio Lower Upper
84 100
49 93.8 110.9 166.3#
51 0.0 32.6 49.0#
86 0.0 51.6 77.4#

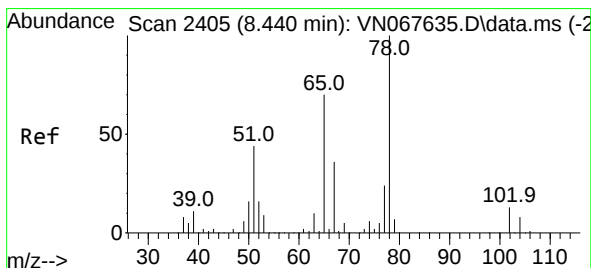
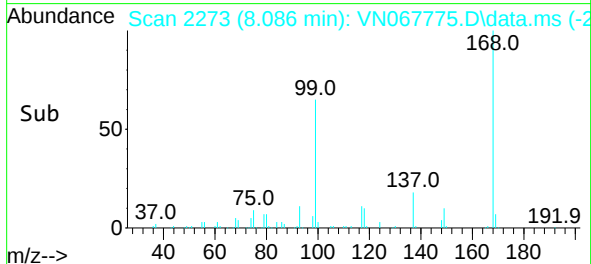
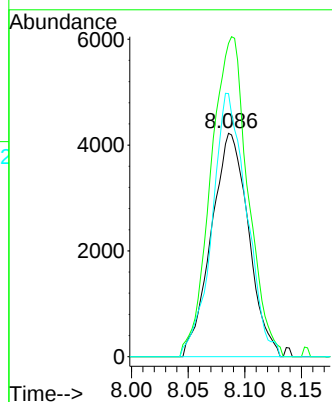
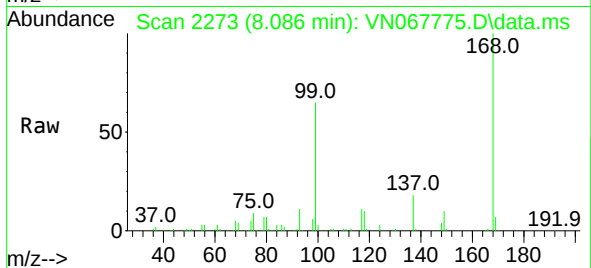




#31
Cyclohexane
Concen: 1.303 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

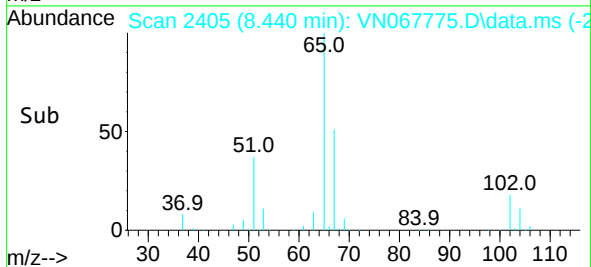
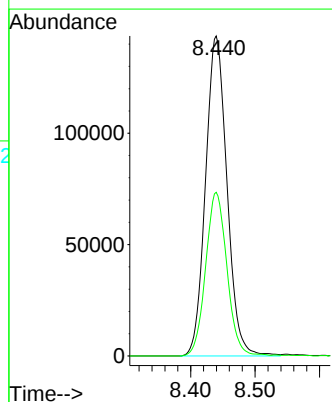
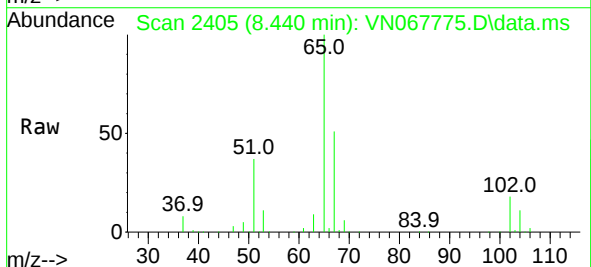
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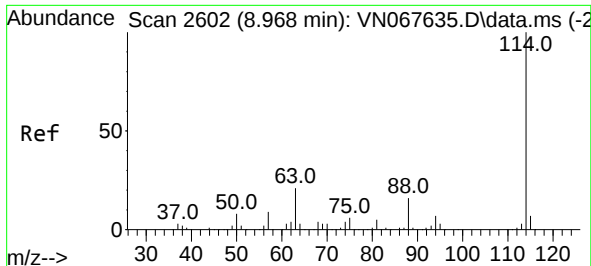
Tgt Ion: 56 Resp: 9632
Ion Ratio Lower Upper
56 100
69 140.2 27.3 40.9#
84 117.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 63.065 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion: 65 Resp: 332444
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

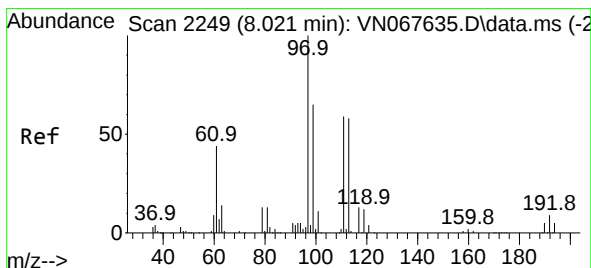
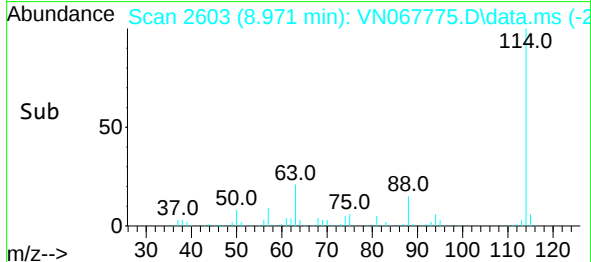
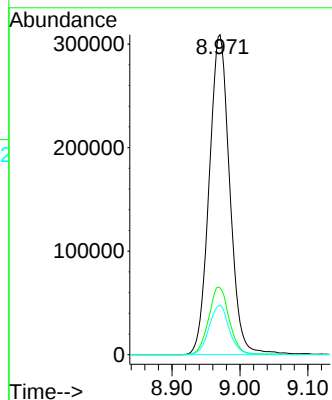
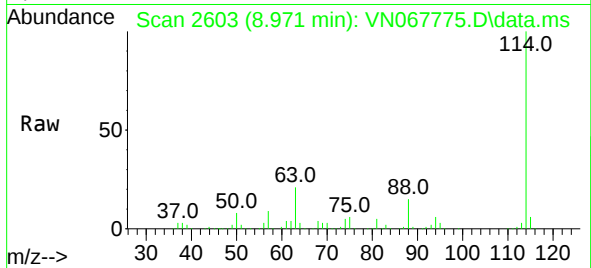




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

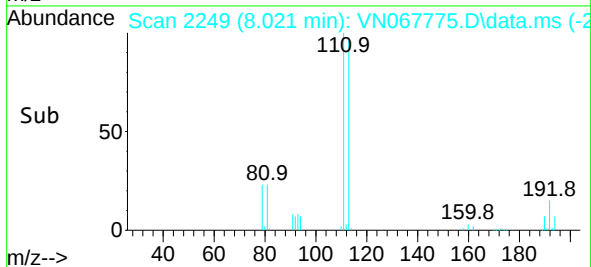
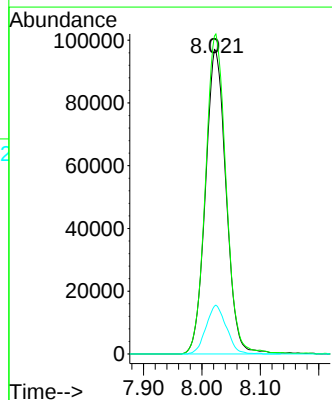
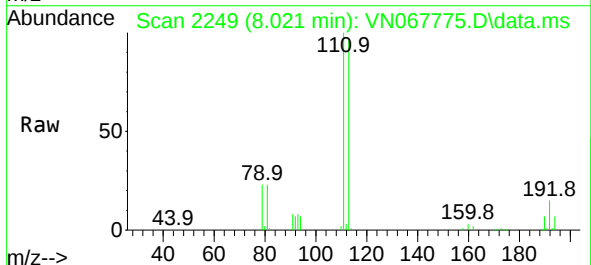
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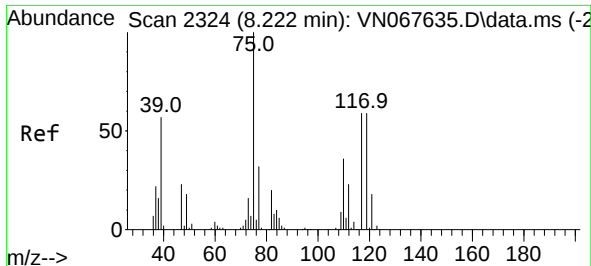
Tgt Ion:114 Resp: 647917
Ion Ratio Lower Upper
114 100
63 20.8 0.0 49.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 60.832 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion:113 Resp: 238131
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.8
192 15.7 13.4 20.0

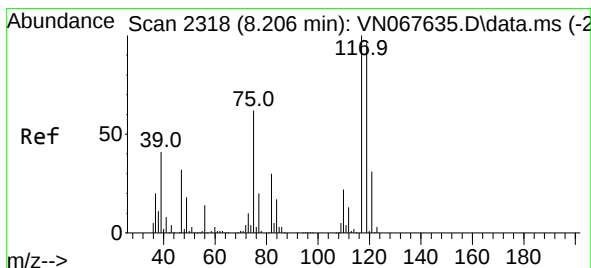
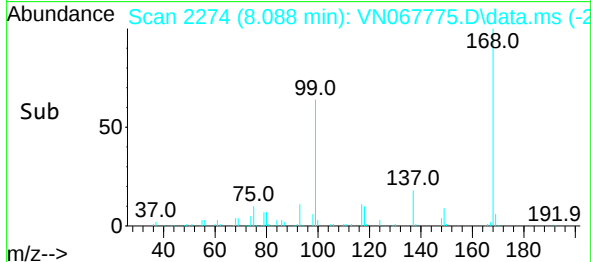
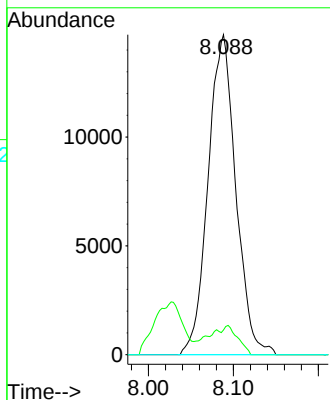
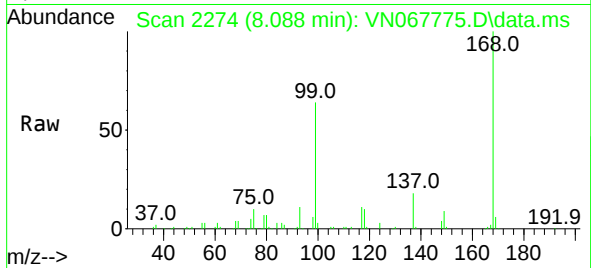




#36
1,1-Dichloropropene
Concen: 5.547 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

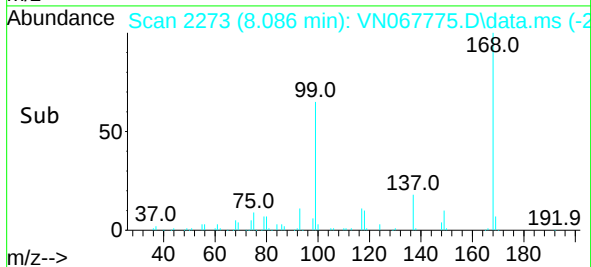
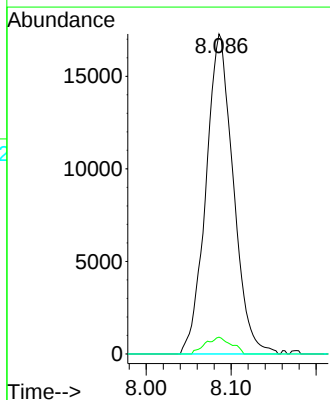
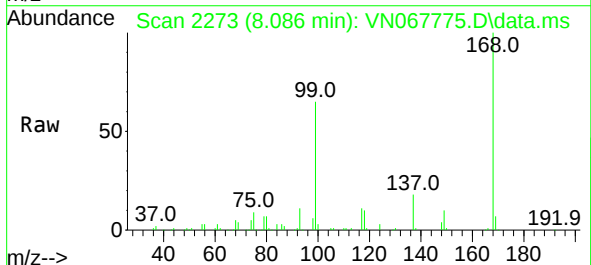
Instrument :
MSVOA_N
ClientSampled :

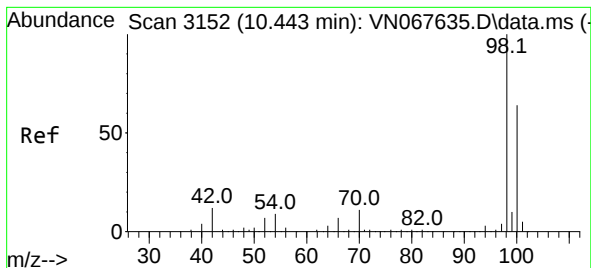
Tgt Ion: 75 Resp: 33387
Ion Ratio Lower Upper
75 100
110 4.8 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.515 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion: 117 Resp: 38676
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

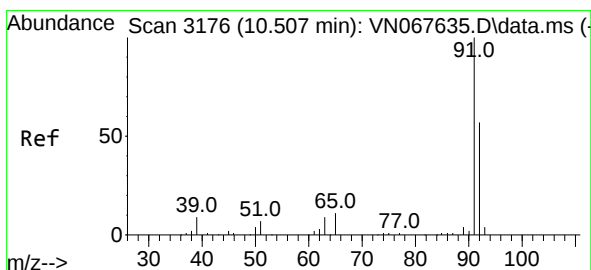
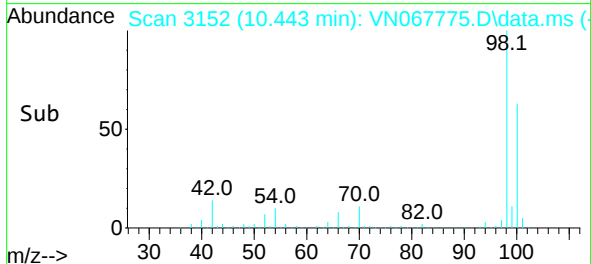
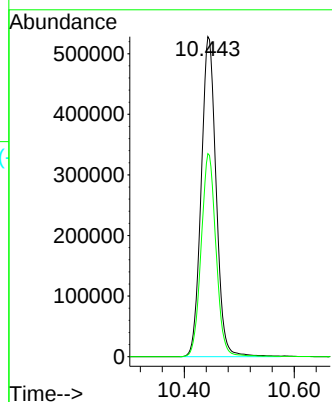
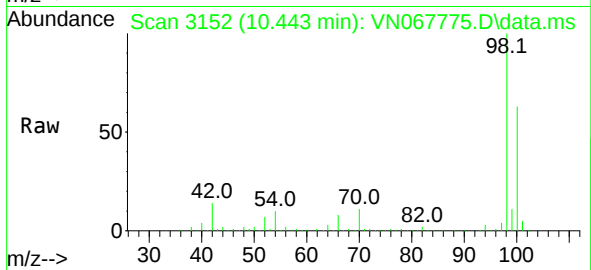




#50
Toluene-d8
Concen: 60.697 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

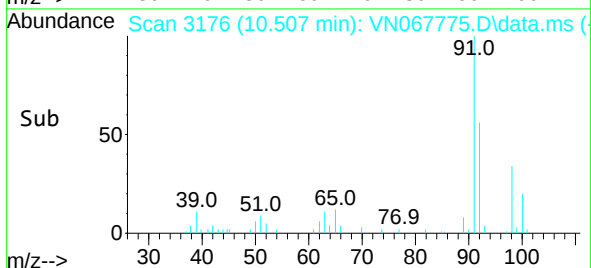
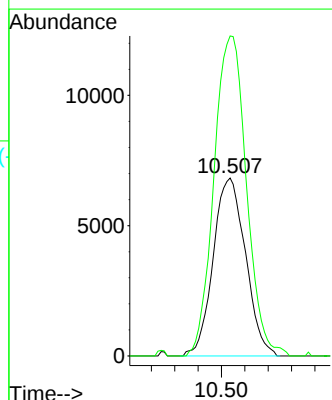
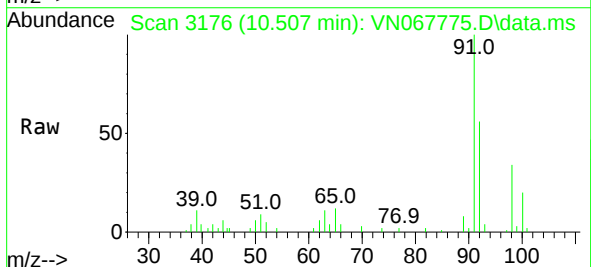
Instrument :
MSVOA_N
ClientSampled :

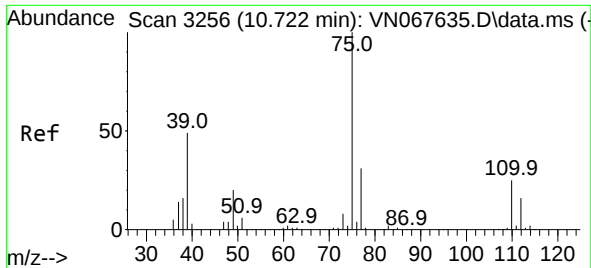
Tgt Ion: 98 Resp: 994546
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#52
Toluene
Concen: 1.114 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion: 92 Resp: 13142
Ion Ratio Lower Upper
92 100
91 180.7 139.6 209.4

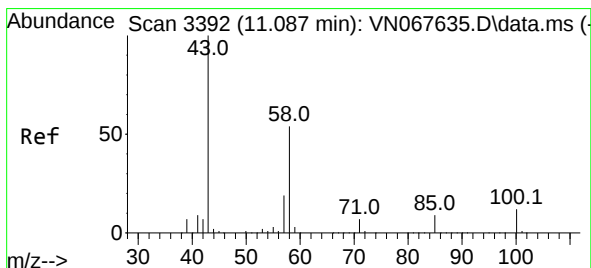
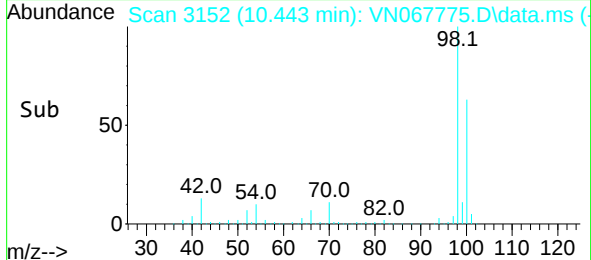
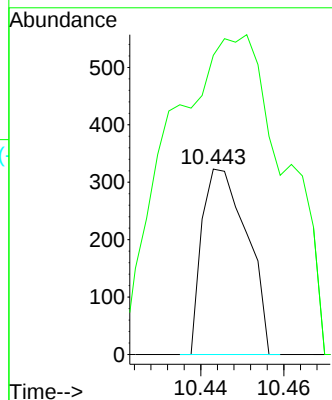
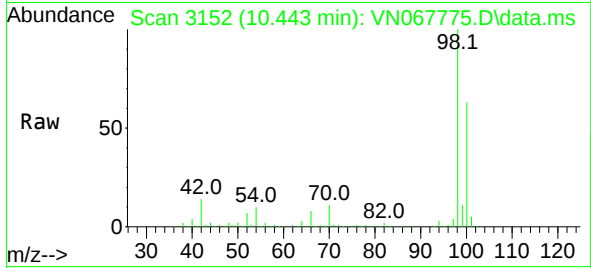




#53
t-1,3-Dichloropropene
Concen: 1.775 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

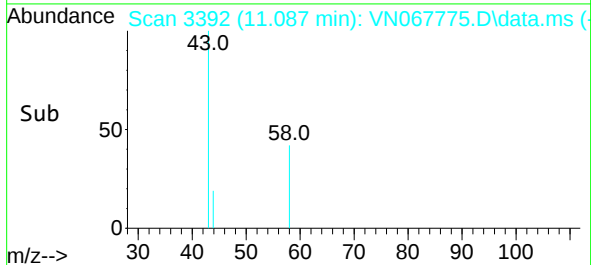
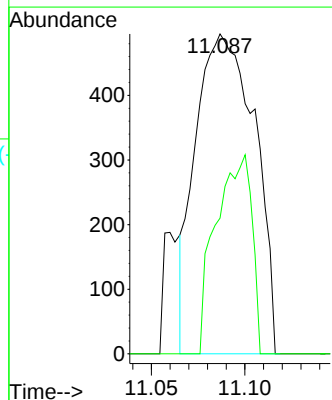
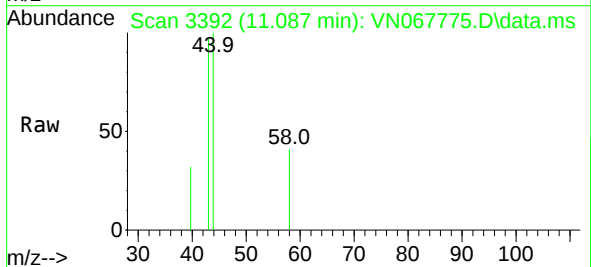
Instrument :
MSVOA_N
ClientSampled :

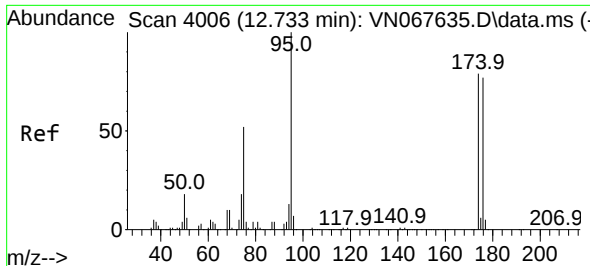
Tgt Ion: 75 Resp: 243
Ion Ratio Lower Upper
75 100
77 64.7 25.1 37.7#



#59
2-Hexanone
Concen: 0.246 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
58 37.9 24.7 74.1

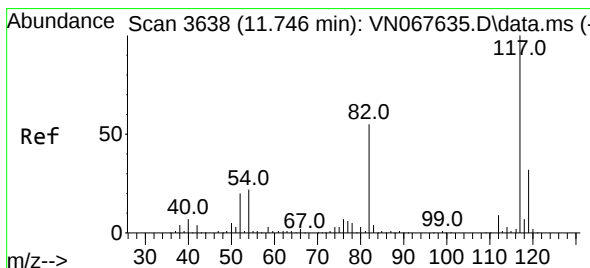
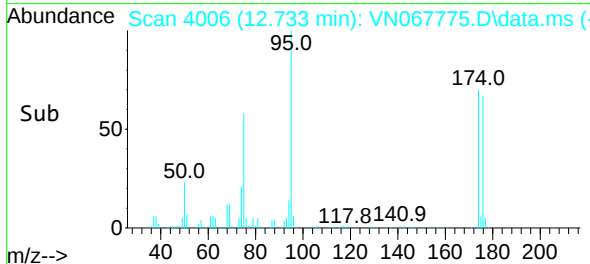
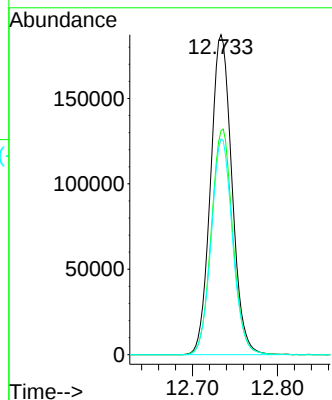
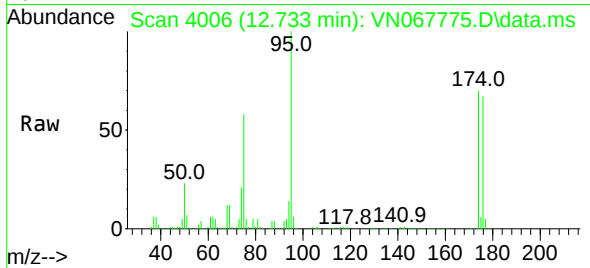




#62
4-Bromofluorobenzene
Concen: 56.475 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

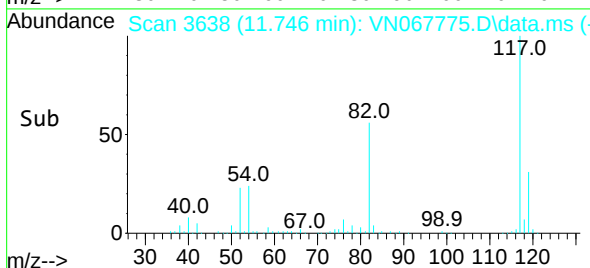
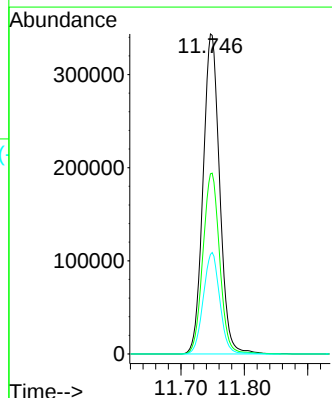
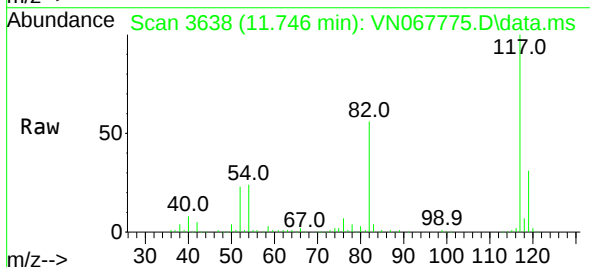
Instrument :
MSVOA_N
ClientSampled :

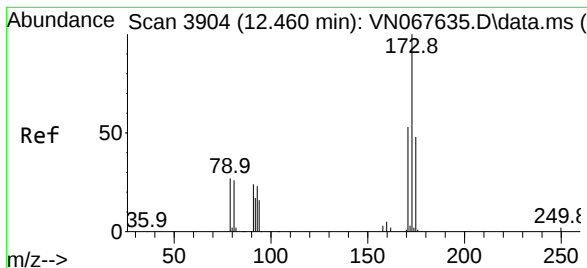
Tgt Ion: 95 Resp: 326888
Ion Ratio Lower Upper
95 100
174 71.0 0.0 122.0
176 67.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

Tgt Ion: 117 Resp: 623545
Ion Ratio Lower Upper
117 100
82 56.3 53.1 79.7
119 31.1 25.5 38.3





#71

Bromoform

Concen: 3.185 ug/l

RT: 12.709 min Scan# 3997

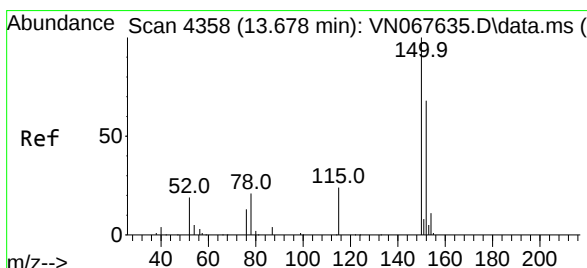
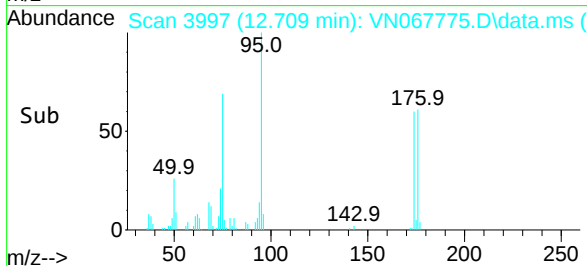
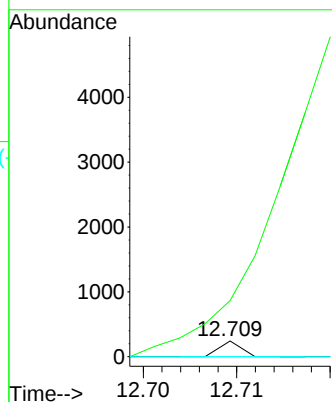
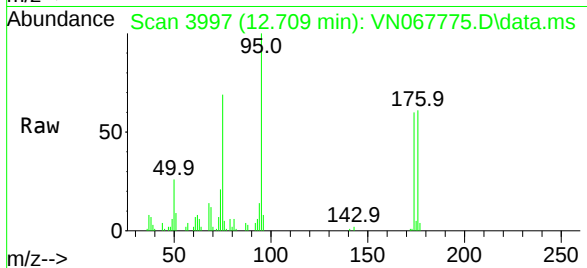
Delta R.T. 0.249 min

Lab File: VN067775.D

Acq: 16 Jul 2021 16:09

Tgt Ion:173	Resp:	39
Ion Ratio	Lower	Upper
173	100	
175	0.0	23.9 71.8#
254	0.0	0.0 0.0

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

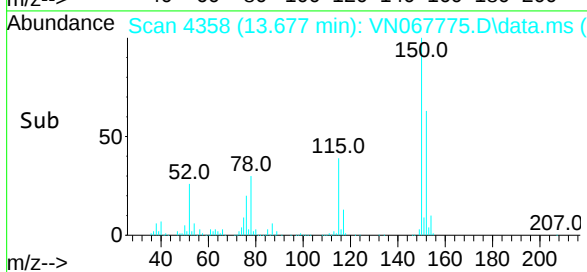
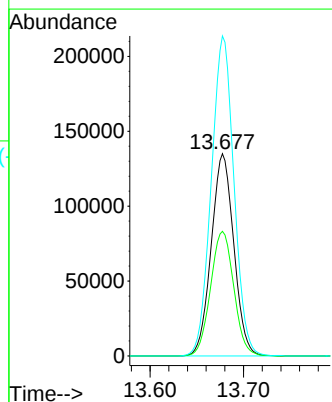
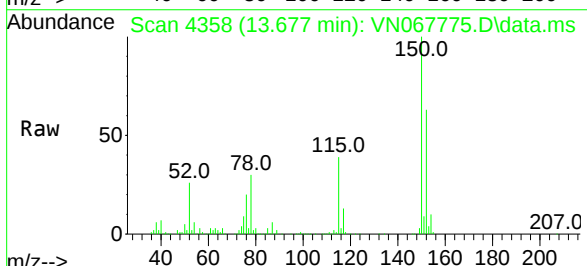
RT: 13.677 min Scan# 4358

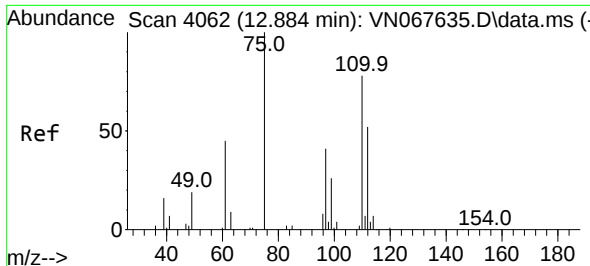
Delta R.T. -0.000 min

Lab File: VN067775.D

Acq: 16 Jul 2021 16:09

Tgt Ion:152	Resp:	226873
Ion Ratio	Lower	Upper
152	100	
115	63.5	36.1 108.5
150	159.1	0.0 351.8

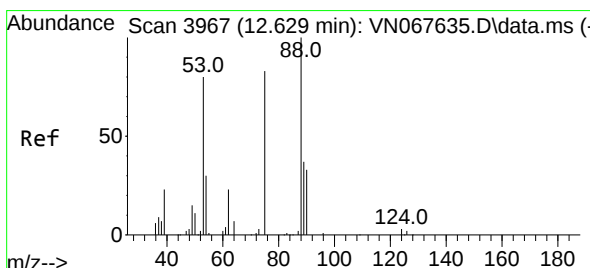
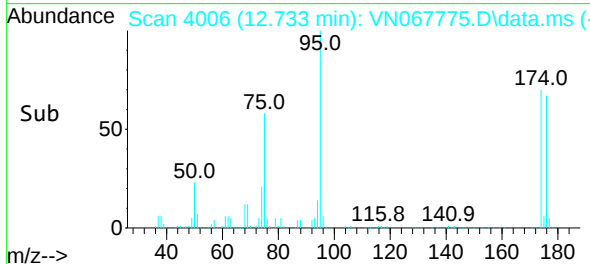
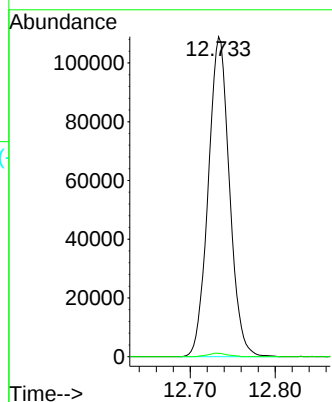
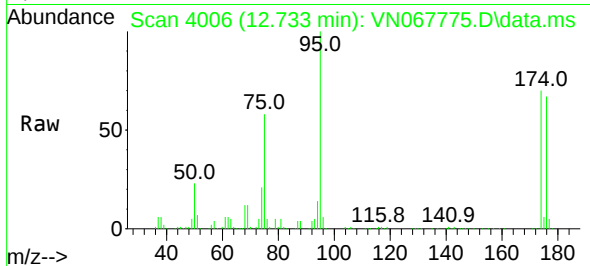




#76
1,2,3-Trichloropropane
Concen: 40.750 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

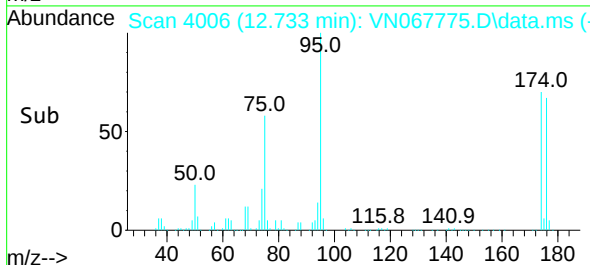
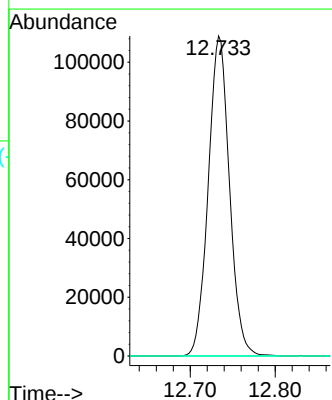
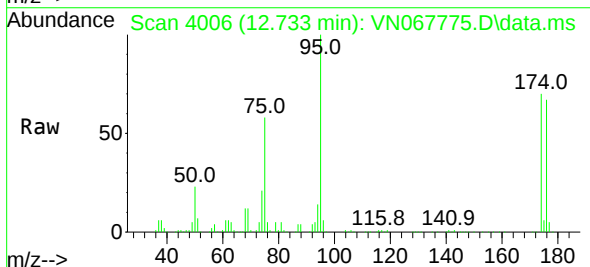
Instrument :
MSVOA_N
ClientSampled :

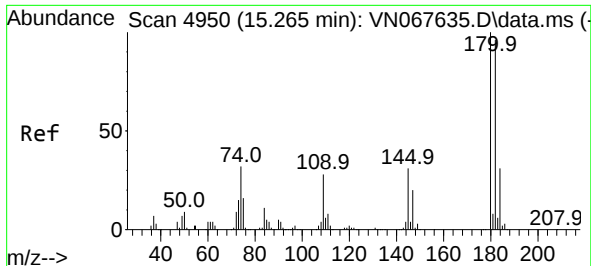
Tgt Ion: 75 Resp: 188800
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.381 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

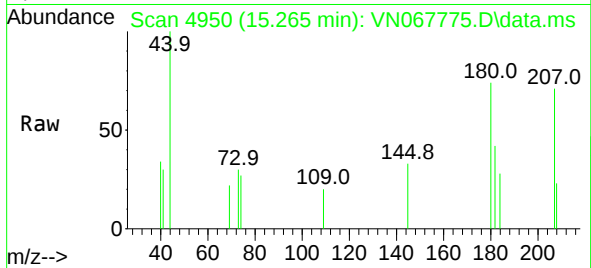
Tgt Ion: 75 Resp: 188800
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



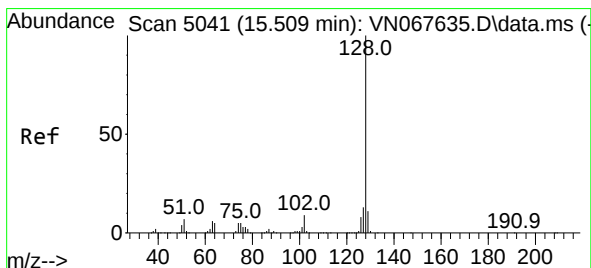
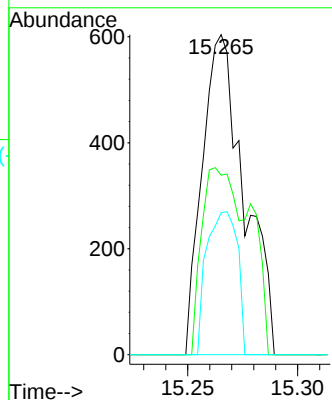
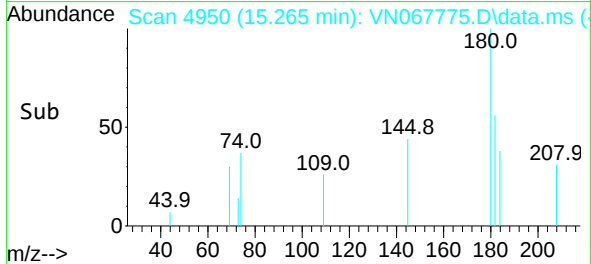


#93
1,2,4-Trichlorobenzene
Concen: 2.875 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09

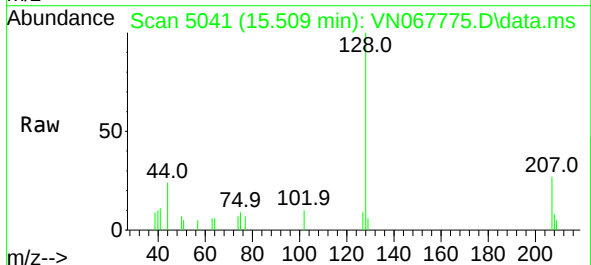
Instrument :
MSVOA_N
ClientSampled :



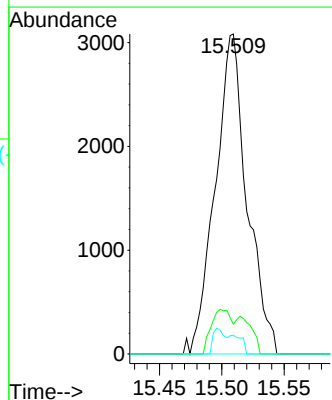
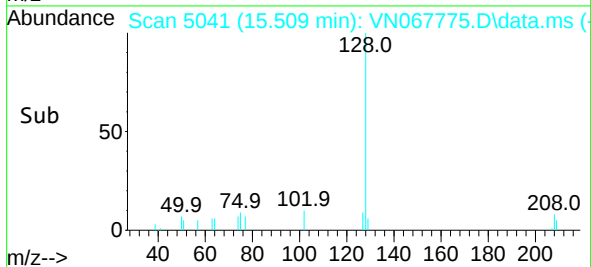
Tgt Ion:180 Resp: 802
Ion Ratio Lower Upper
180 100
182 67.1 47.5 142.5
145 32.7 17.2 51.6

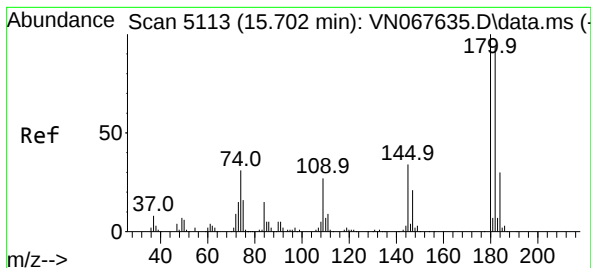


#95
Naphthalene
Concen: 3.474 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067775.D
Acq: 16 Jul 2021 16:09



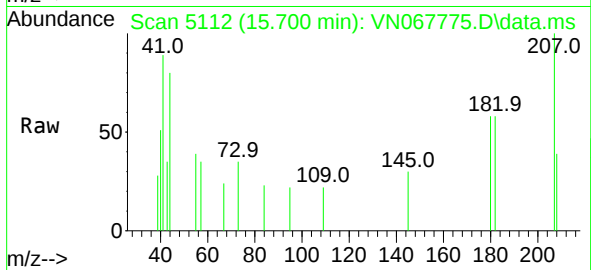
Tgt Ion:128 Resp: 5464
Ion Ratio Lower Upper
128 100
127 8.9 10.6 15.8#
129 3.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.754 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN067775.D
 Acq: 16 Jul 2021 16:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	465
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	43.9	18.2	54.6

