

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071621\
 Data File : VN067774.D
 Acq On : 16 Jul 2021 15:46
 Operator : JC/MD
 Sample : M3051-10 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 17 04:58:29 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)

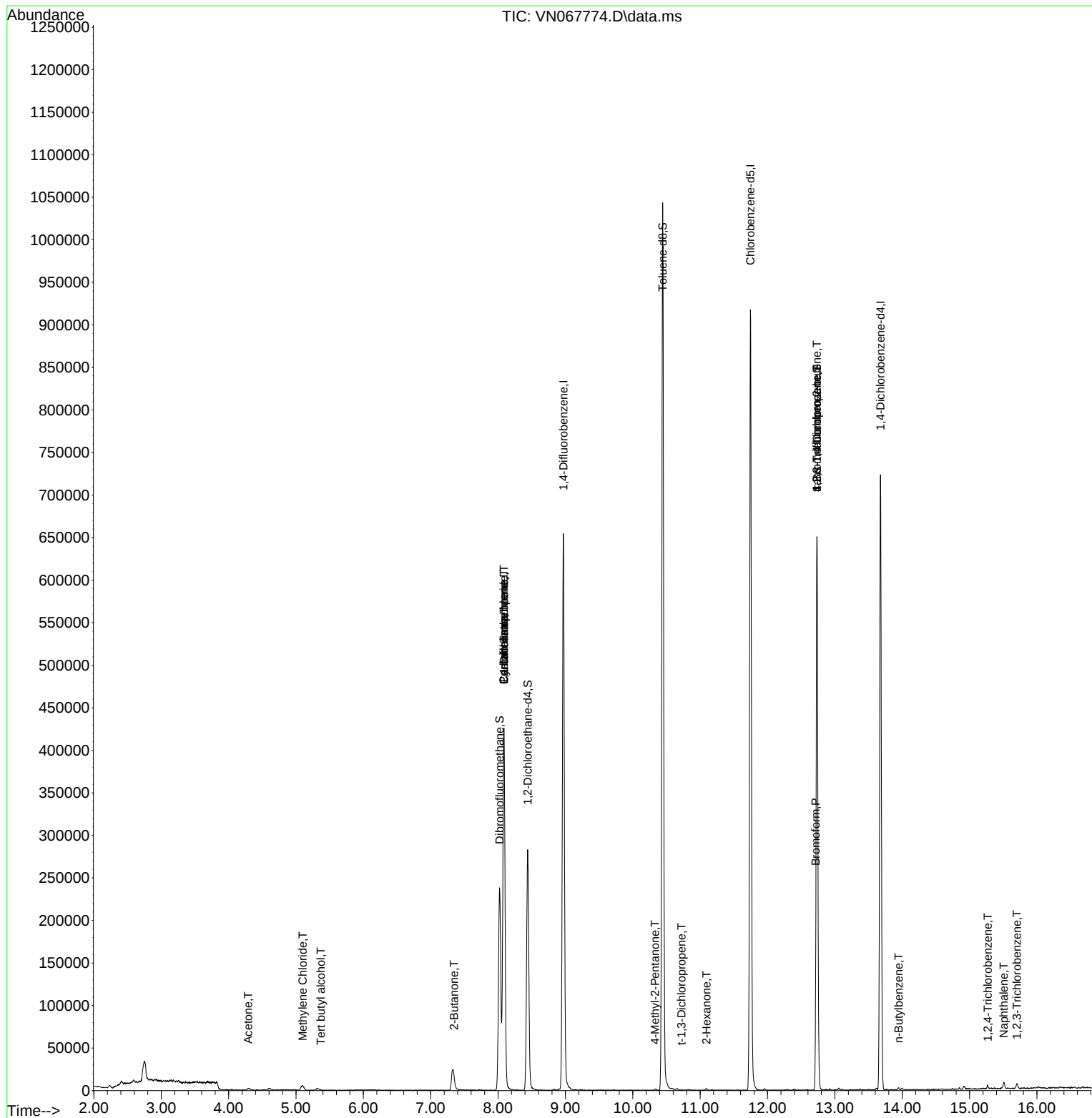
Internal Standards						
1) Pentafluorobenzene	8.086	168	307593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	564602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	522103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	182243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238824	51.375	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.740%			
35) Dibromofluoromethane	8.021	113	173055	50.732	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.460%			
50) Toluene-d8	10.443	98	729421	51.086	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.733	95	226212	44.848	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.700%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	288	Below Cal	#	70
6) Chloroethane	2.990	64	55	Below Cal	#	44
11) Tert butyl alcohol	5.369	59	135	0.202 ug/l	#	71
13) Acrolein	4.044	56	436	Below Cal	#	61
16) Acetone	4.291	43	2283	1.561 ug/l		90
20) Methylene Chloride	5.098	84	4337	0.582 ug/l	#	76
25) 2-Butanone	7.345	43	1003	0.413 ug/l	#	43
31) Cyclohexane	8.086	56	8409	1.290 ug/l	#	22
36) 1,1-Dichloropropene	8.086	75	28570	5.448 ug/l	#	47
38) Carbon Tetrachloride	8.086	117	35507	6.864 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.330	43	1462	0.266 ug/l	#	72
53) t-1,3-Dichloropropene	10.722	75	62	1.753 ug/l	#	1
59) 2-Hexanone	11.095	43	1816	0.474 ug/l	#	61
71) Bromoform	12.717	173	73	3.196 ug/l	#	1
76) 1,2,3-Trichloropropane	12.733	75	128069	34.411 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.733	75	128069	110.945 ug/l	#	6
89) n-Butylbenzene	13.946	91	1955	0.201 ug/l		82
93) 1,2,4-Trichlorobenzene	15.271	180	1198	3.048 ug/l		72
95) Naphthalene	15.507	128	7264	3.777 ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.702	180	1425	3.096 ug/l	#	82

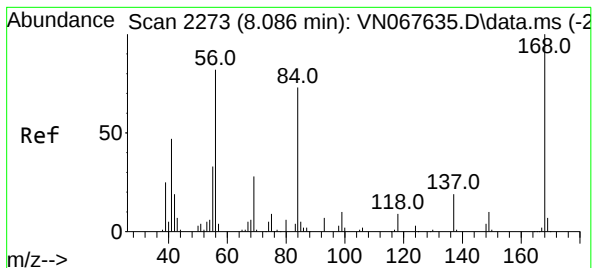
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.000 min

Lab File: VN067774.D

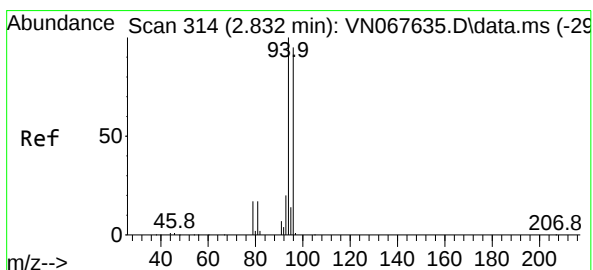
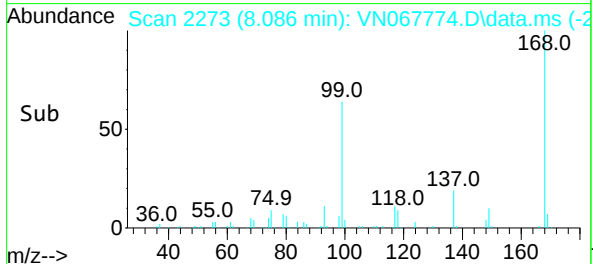
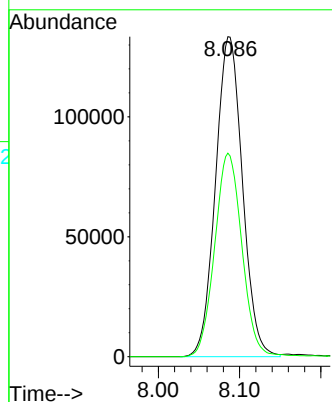
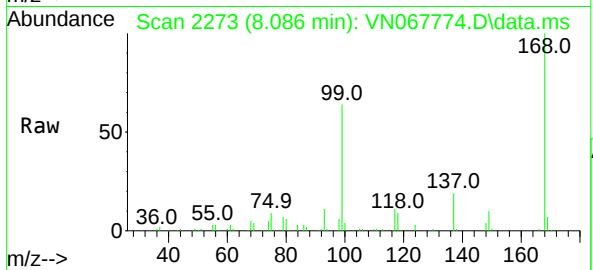
Acq: 16 Jul 2021 15:46

Tgt Ion:168 Resp: 307593

Ion Ratio Lower Upper

168 100

99 63.6 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.834 min Scan# 315

Delta R.T. 0.002 min

Lab File: VN067774.D

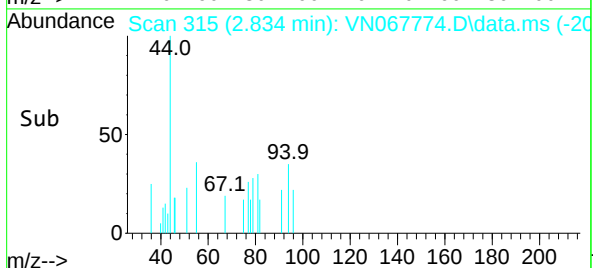
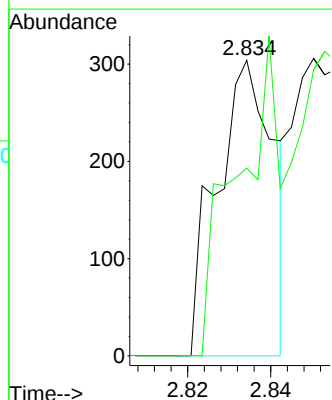
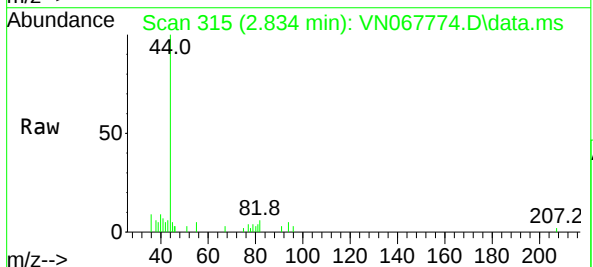
Acq: 16 Jul 2021 15:46

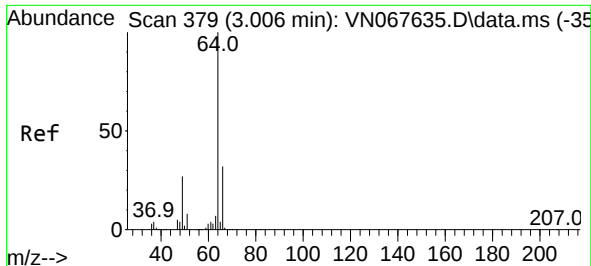
Tgt Ion: 94 Resp: 288

Ion Ratio Lower Upper

94 100

96 63.5 73.7 110.5#

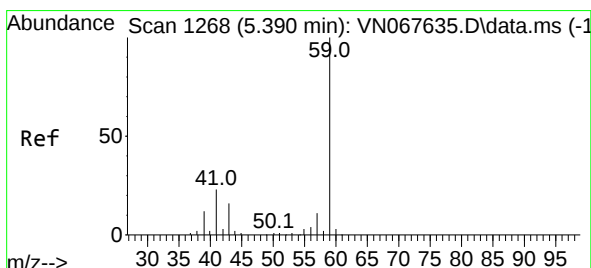
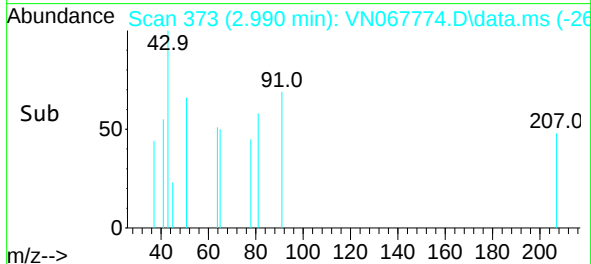
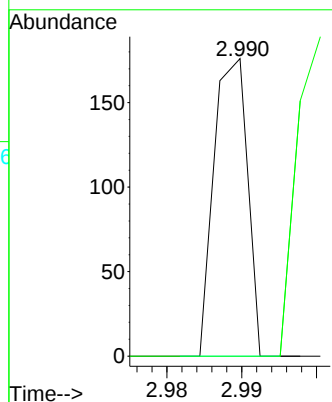
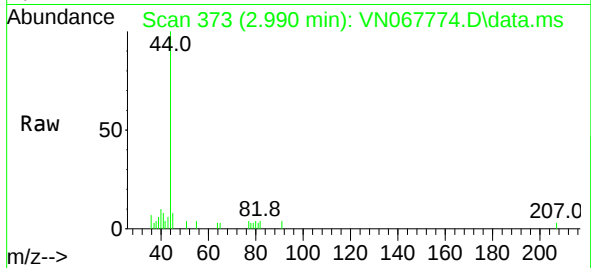




#6
Chloroethane
Concen: Below Cal
RT: 2.990 min Scan# 373
Delta R.T. -0.016 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

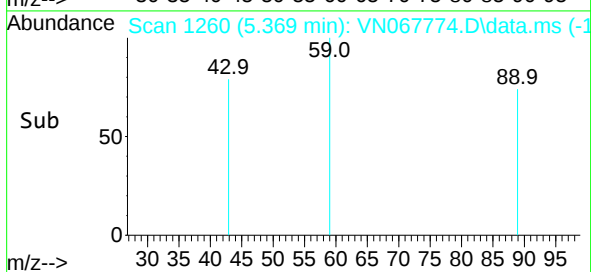
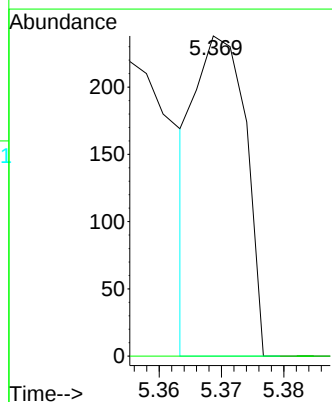
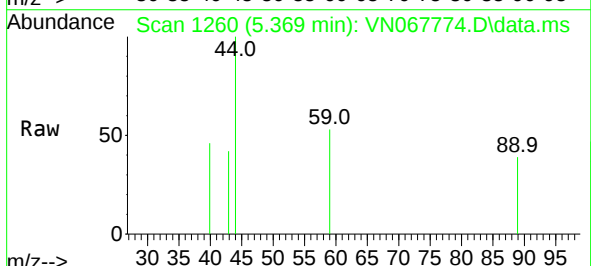
Instrument :
MSVOA_N
ClientSampleId :

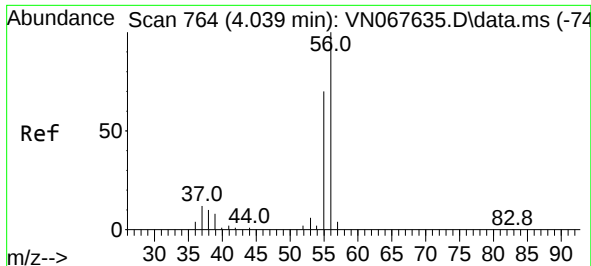
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.202 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. -0.021 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

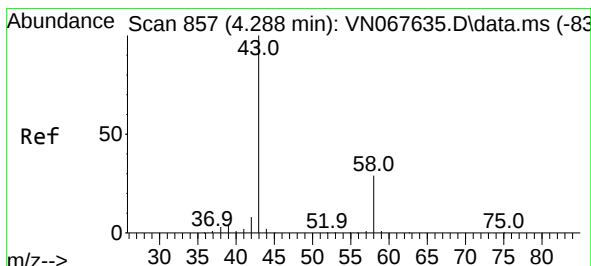
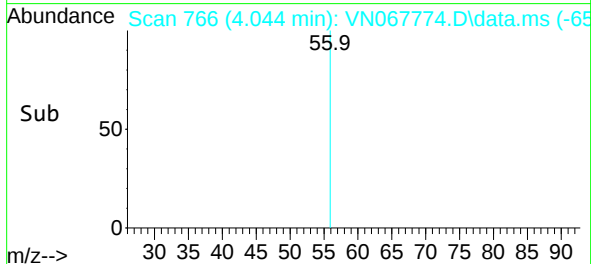
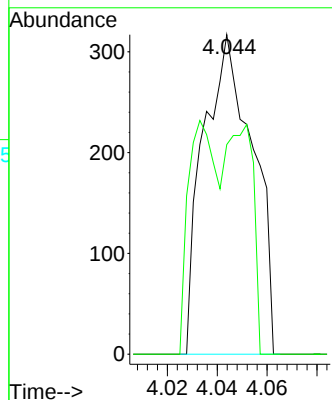
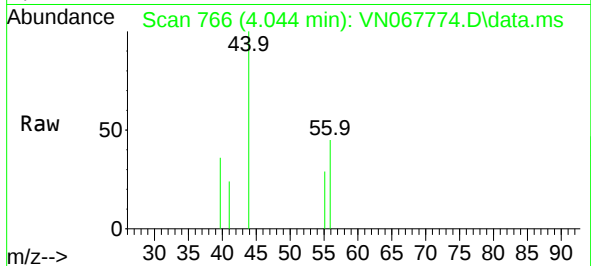




#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

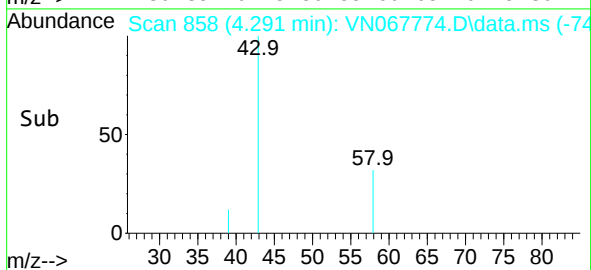
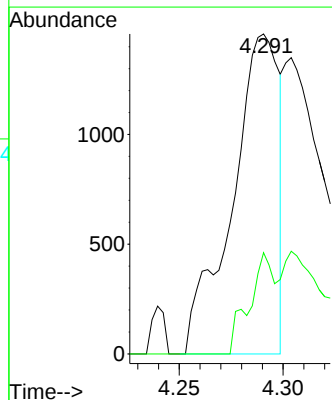
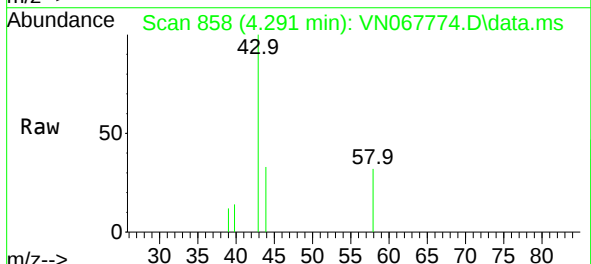
Instrument :
MSVOA_N
ClientSampled :

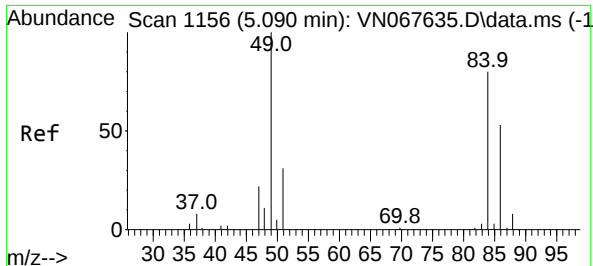
Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 39.2 57.4 86.0#



#16
Acetone
Concen: 1.561 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

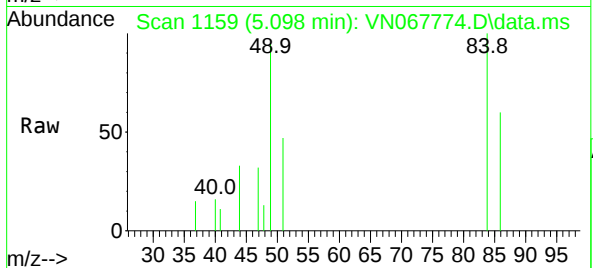
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
58 31.6 21.2 31.8



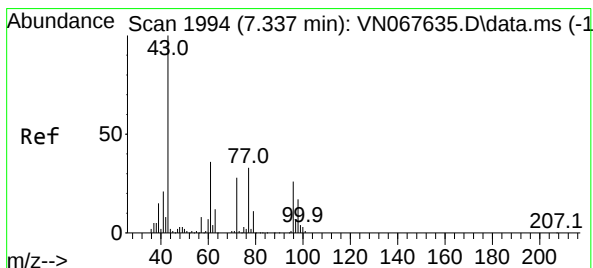
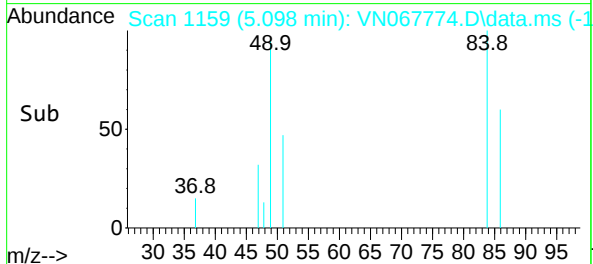
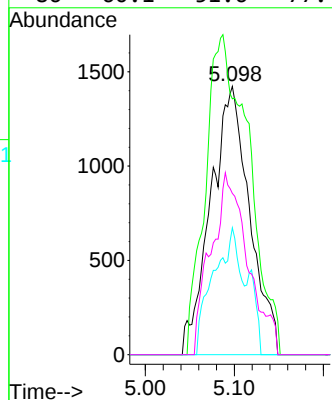


#20
Methylene Chloride
Concen: 0.582 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

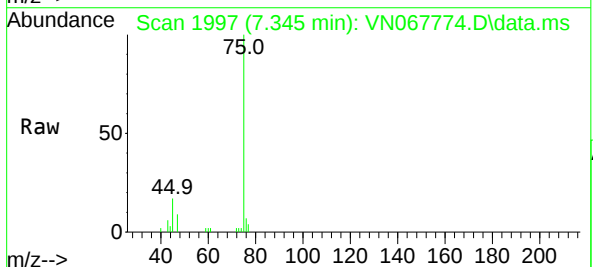
Instrument :
MSVOA_N
ClientSampled :



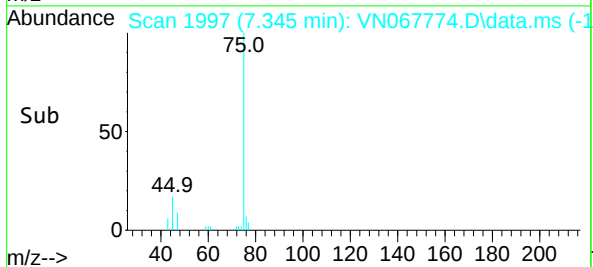
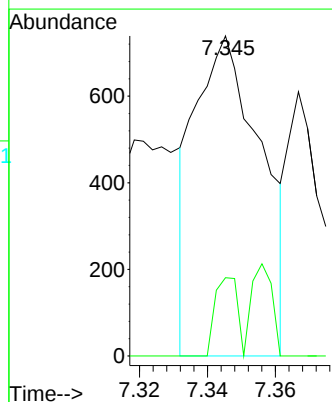
Tgt Ion:	84	Resp:	4337
Ion	Ratio	Lower	Upper
84	100		
49	95.4	110.9	166.3#
51	47.3	32.6	49.0
86	60.1	51.6	77.4

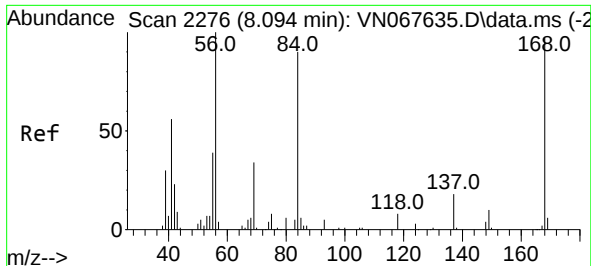


#25
2-Butanone
Concen: 0.413 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46



Tgt Ion:	43	Resp:	1003
Ion	Ratio	Lower	Upper
43	100		
72	53.1	19.7	29.5#

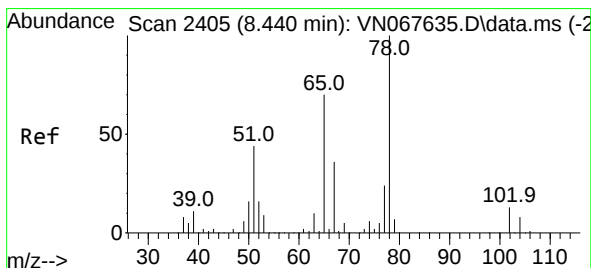
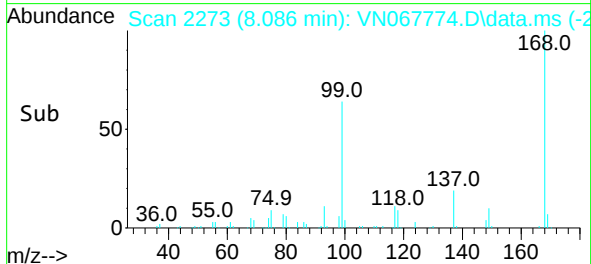
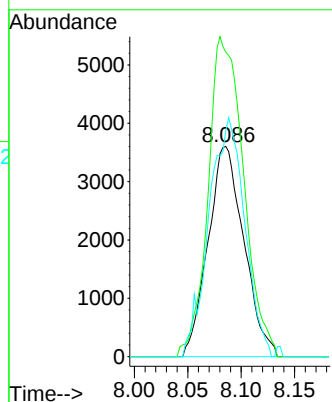
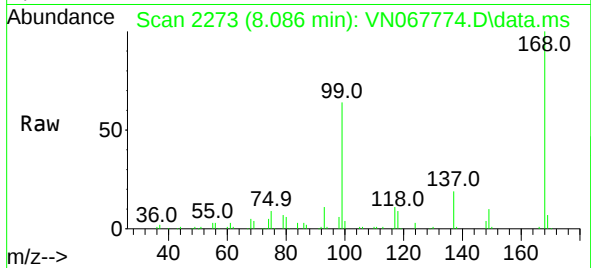




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

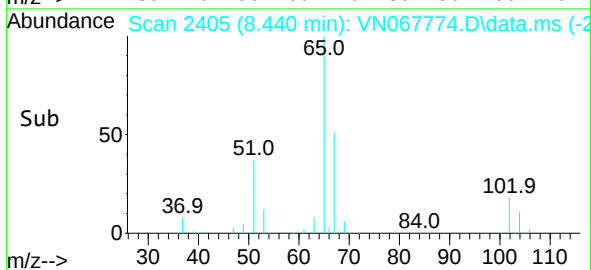
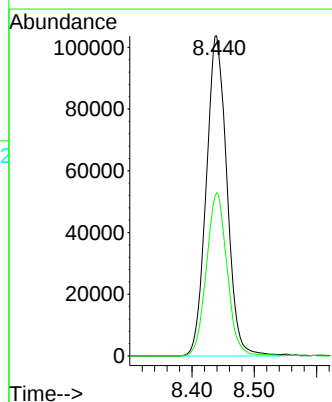
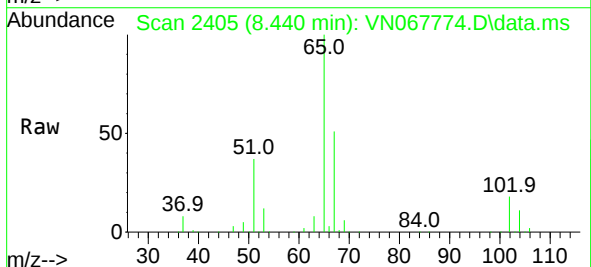
Instrument :
MSVOA_N
ClientSampled :

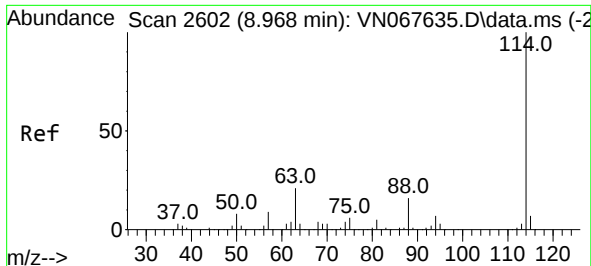
Tgt Ion: 56 Resp: 8409
Ion Ratio Lower Upper
56 100
69 144.9 27.3 40.9#
84 107.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.375 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 65 Resp: 238824
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

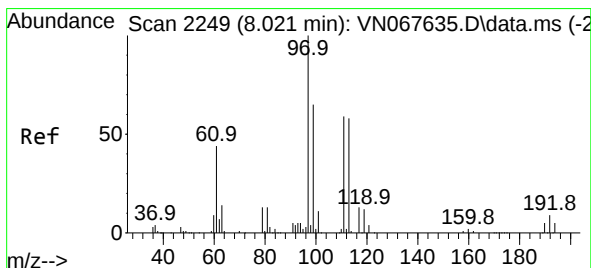
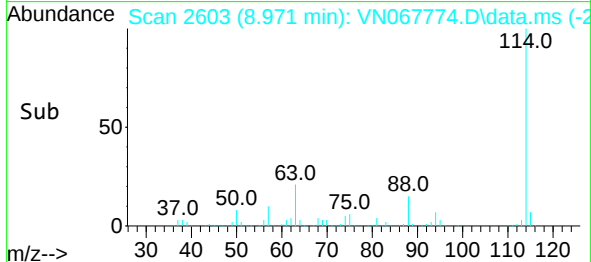
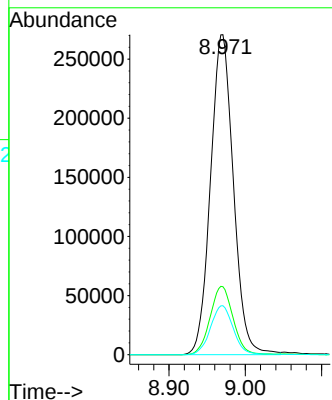
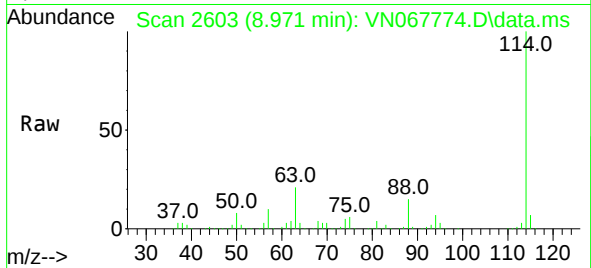




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

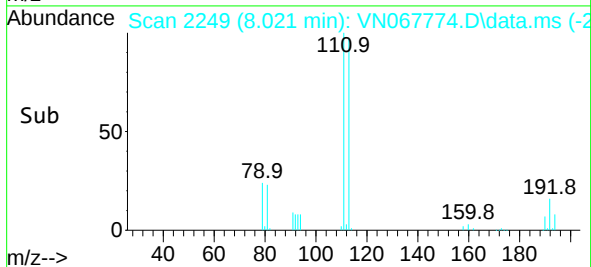
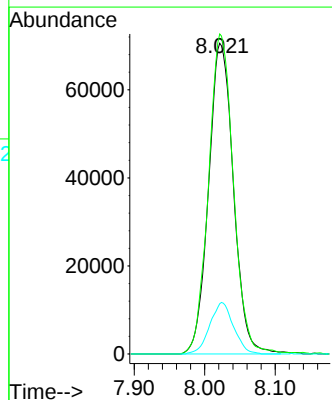
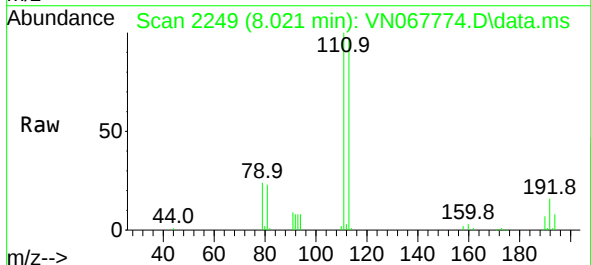
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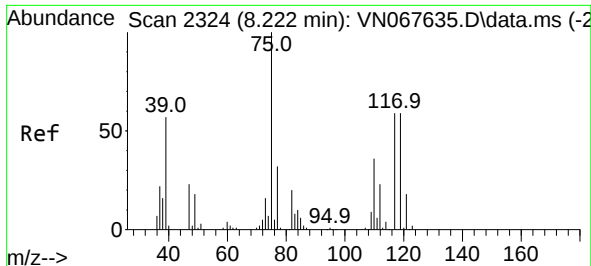
Tgt Ion:114 Resp: 564602
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.732 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion:113 Resp: 173055
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 15.9 13.4 20.0

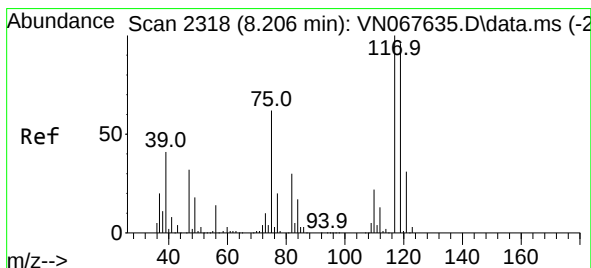
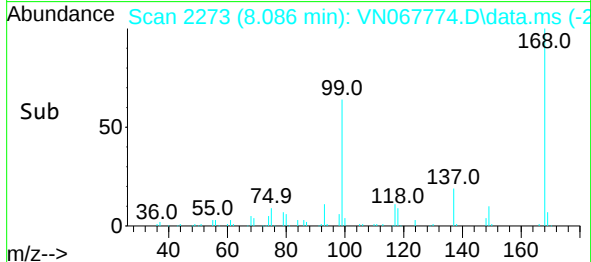
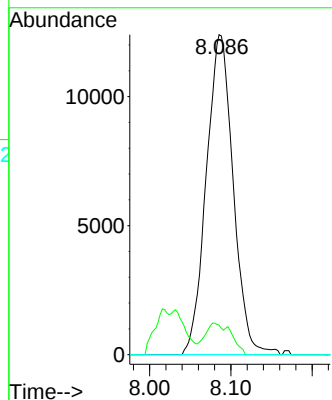
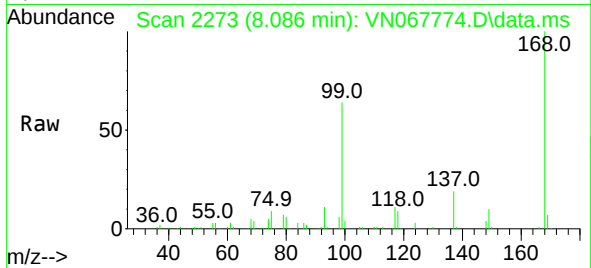




#36
1,1-Dichloropropene
Concen: 5.448 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

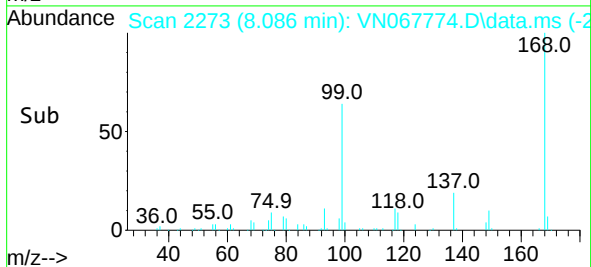
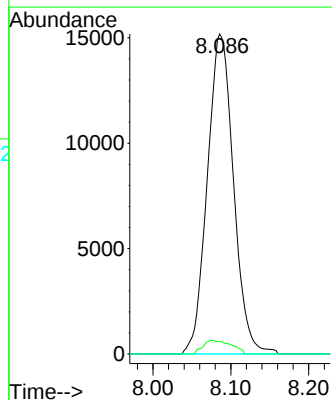
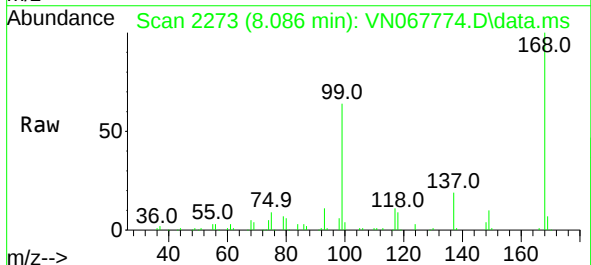
Instrument :
MSVOA_N
ClientSampled :

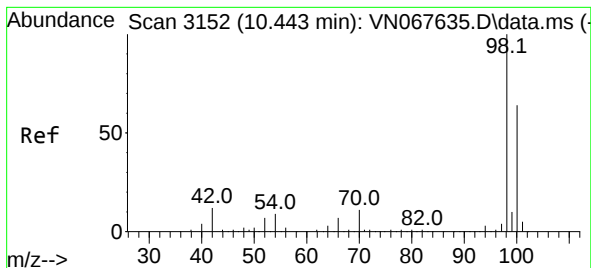
Tgt Ion: 75 Resp: 28570
Ion Ratio Lower Upper
75 100
110 3.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.864 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 117 Resp: 35507
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 23.5 35.3#

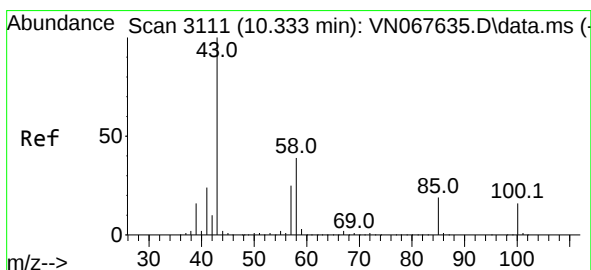
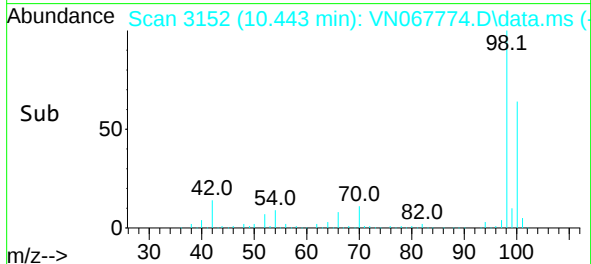
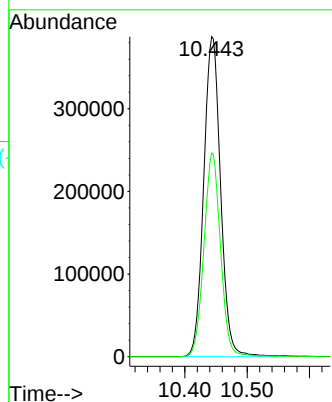
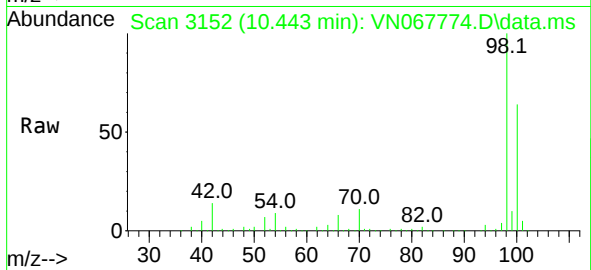




#50
Toluene-d8
Concen: 51.086 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

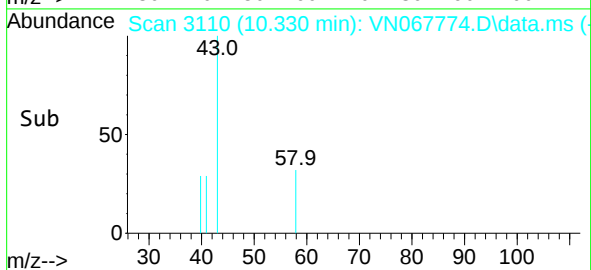
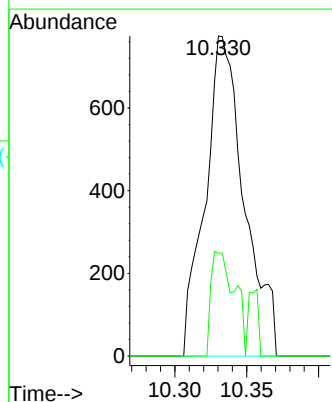
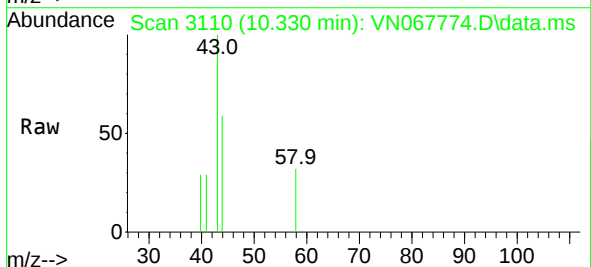
Instrument :
MSVOA_N
ClientSampled :

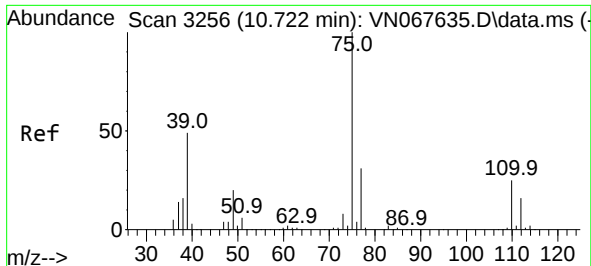
Tgt Ion: 98 Resp: 729421
Ion Ratio Lower Upper
98 100
100 62.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.266 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
58 19.4 28.6 43.0#

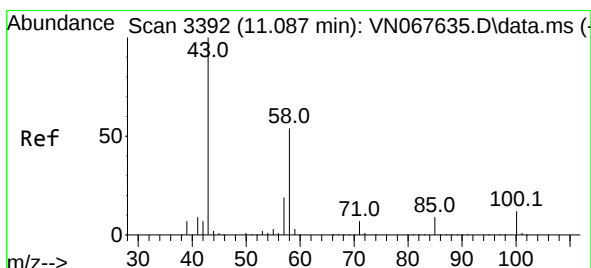
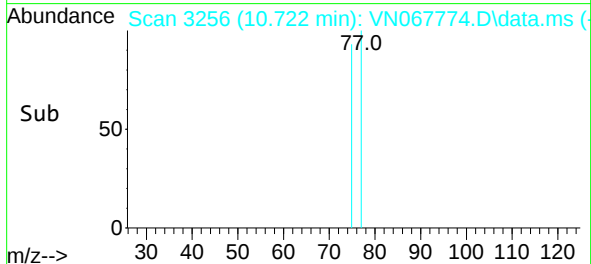
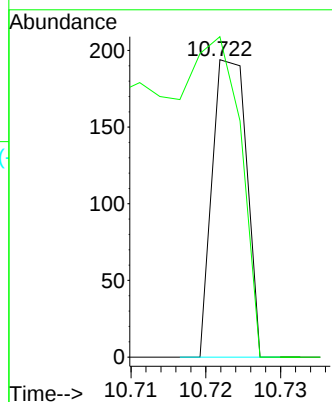
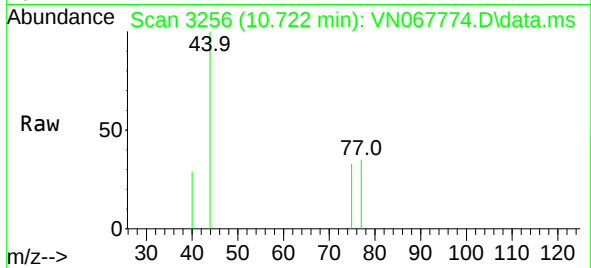




#53
t-1,3-Dichloropropene
Concen: 1.753 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. -0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

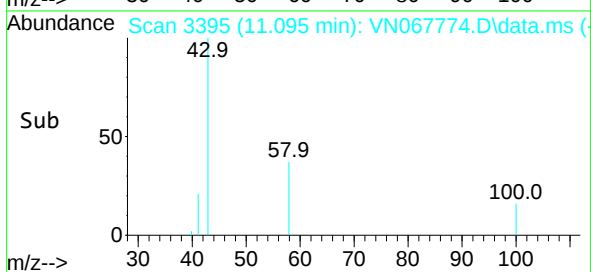
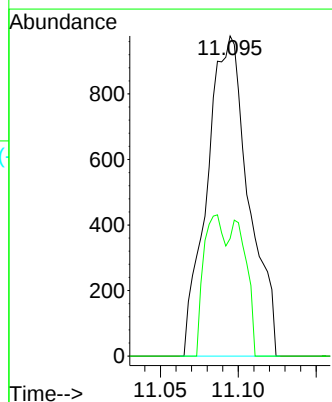
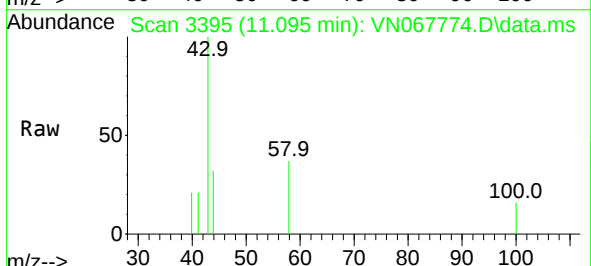
Instrument :
MSVOA_N
ClientSampled :

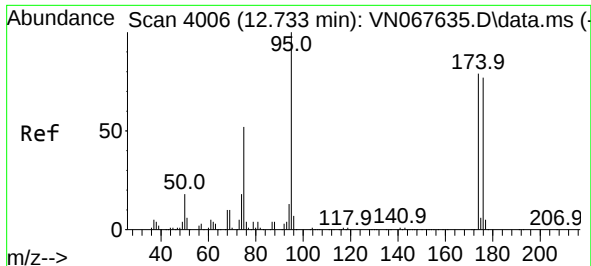
Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
77 107.7 25.1 37.7#



#59
2-Hexanone
Concen: 0.474 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
58 22.5 24.7 74.1#

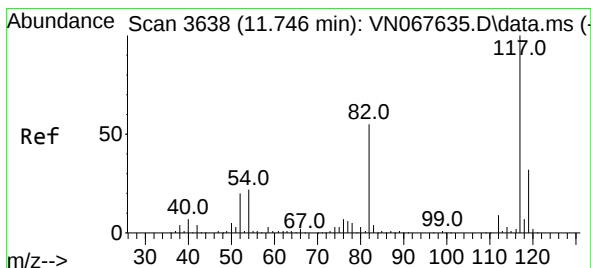
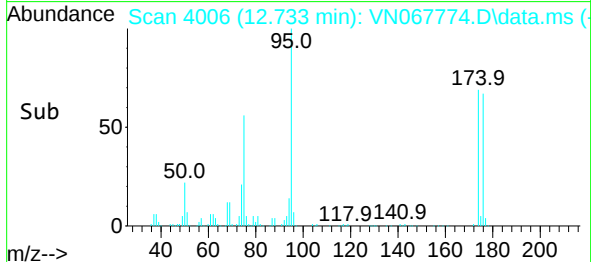
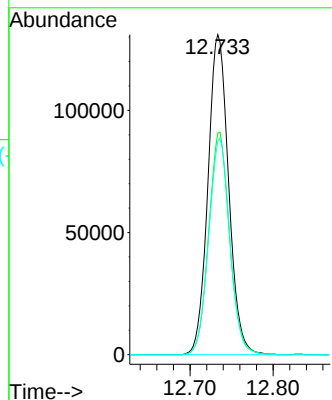
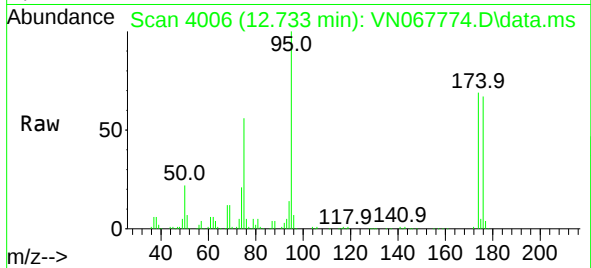




#62
4-Bromofluorobenzene
Concen: 44.848 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

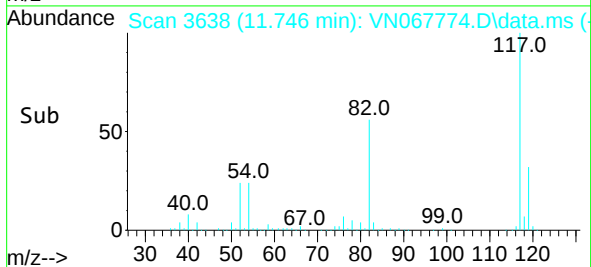
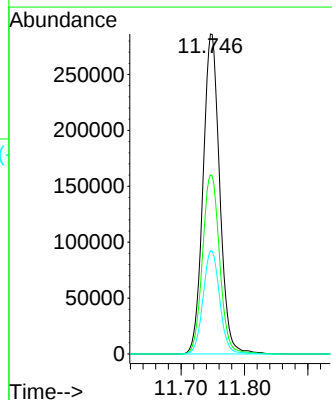
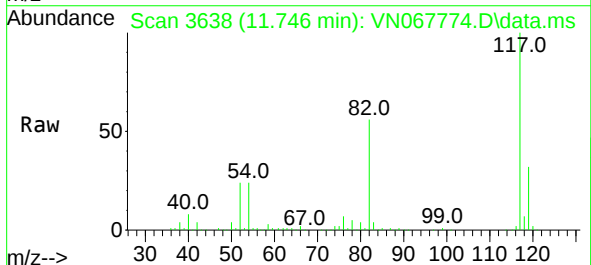
Instrument :
MSVOA_N
ClientSampled :

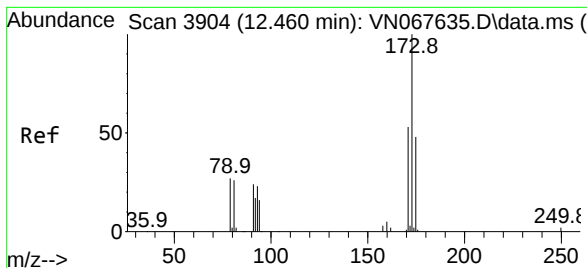
Tgt Ion: 95 Resp: 226212
Ion Ratio Lower Upper
95 100
174 70.1 0.0 122.0
176 69.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 117 Resp: 522103
Ion Ratio Lower Upper
117 100
82 56.0 53.1 79.7
119 32.3 25.5 38.3





#71

Bromoform

Concen: 3.196 ug/l

RT: 12.717 min Scan# 4000

Delta R.T. 0.257 min

Lab File: VN067774.D

Acq: 16 Jul 2021 15:46

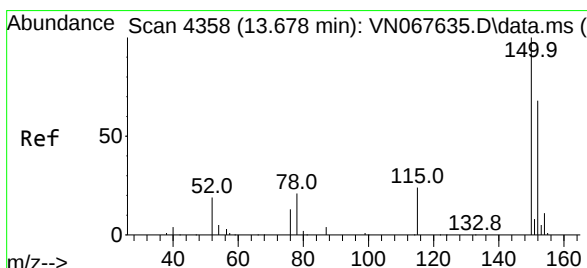
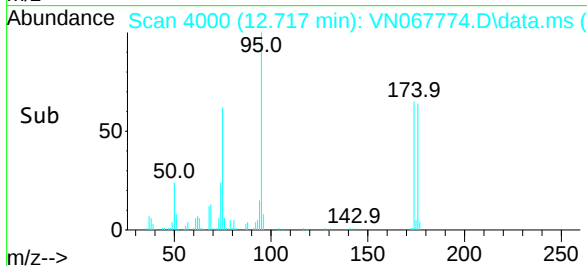
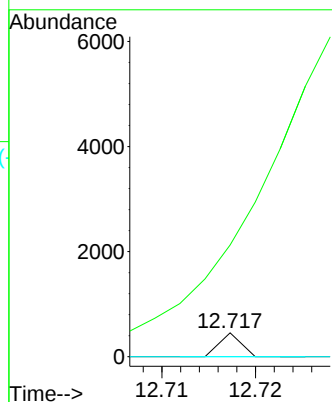
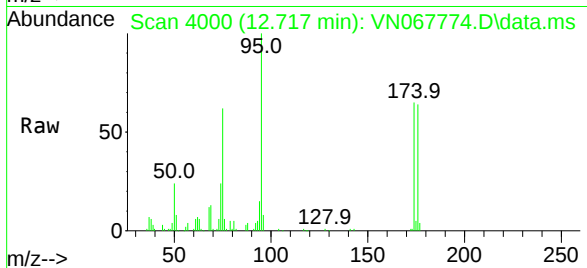
Tgt Ion:173 Resp: 73

Ion Ratio Lower Upper

173 100

175 15634.2 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.677 min Scan# 4358

Delta R.T. -0.000 min

Lab File: VN067774.D

Acq: 16 Jul 2021 15:46

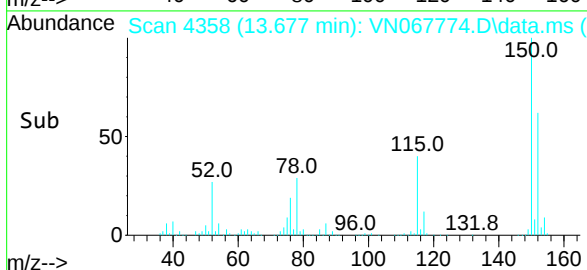
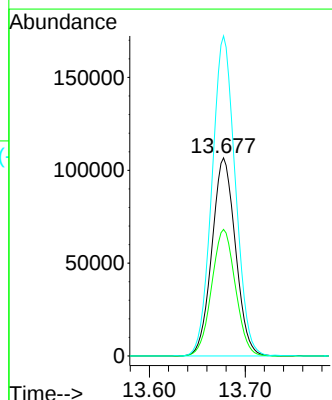
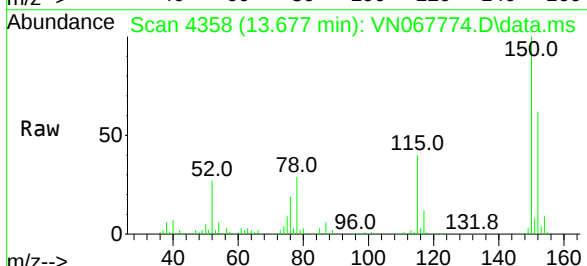
Tgt Ion:152 Resp: 182243

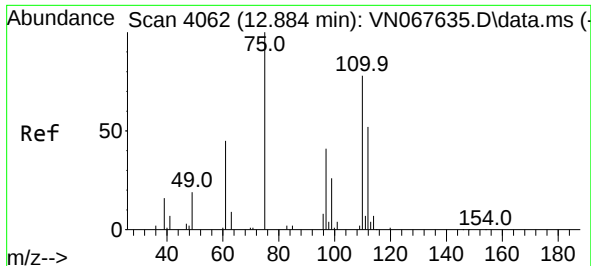
Ion Ratio Lower Upper

152 100

115 64.5 36.1 108.5

150 160.0 0.0 351.8

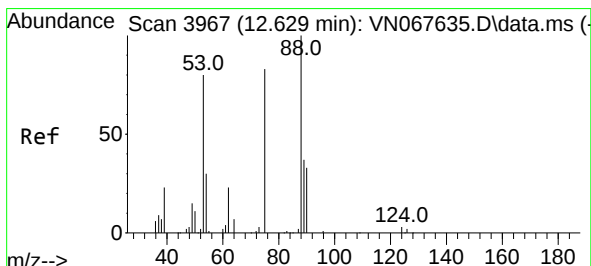
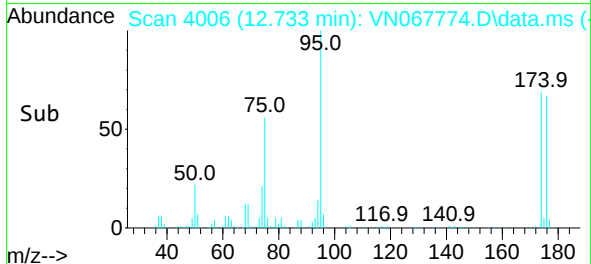
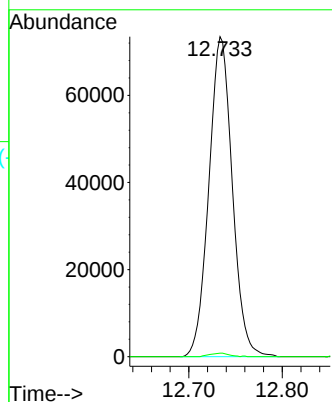
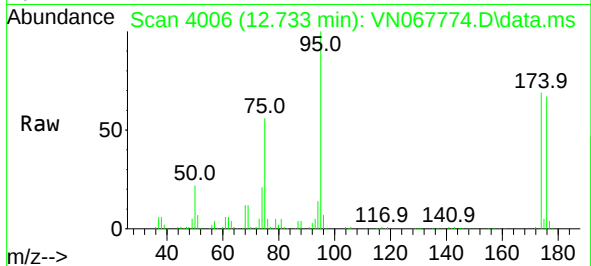




#76
1,2,3-Trichloropropane
Concen: 34.411 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

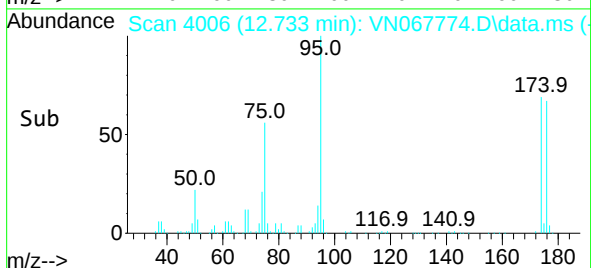
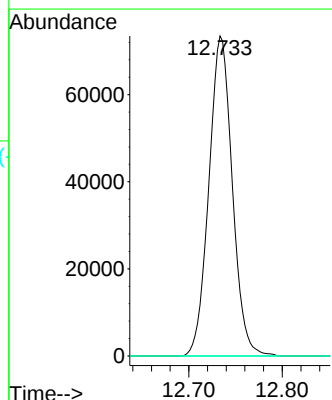
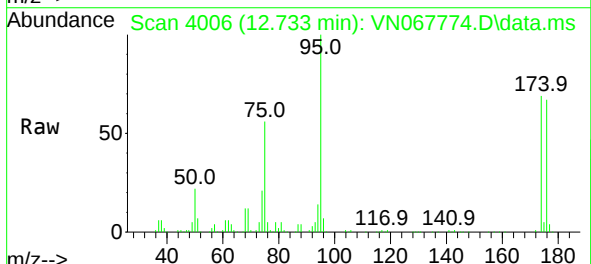
Instrument :
MSVOA_N
ClientSampled :

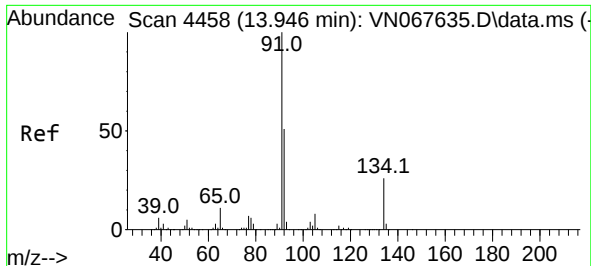
Tgt Ion: 75 Resp: 128069
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.945 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 75 Resp: 128069
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

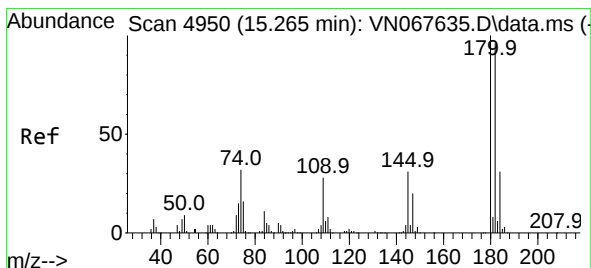
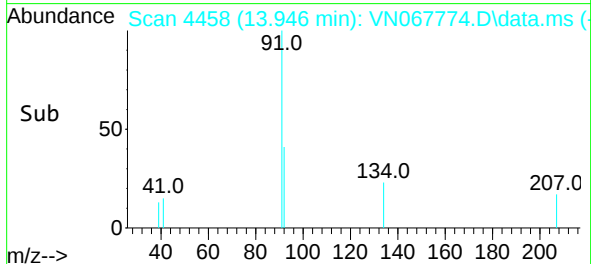
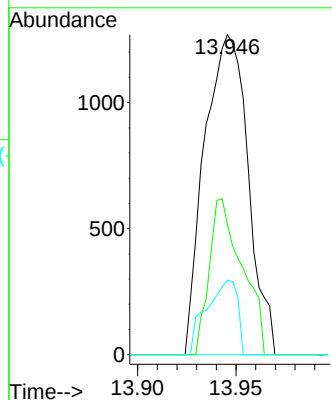
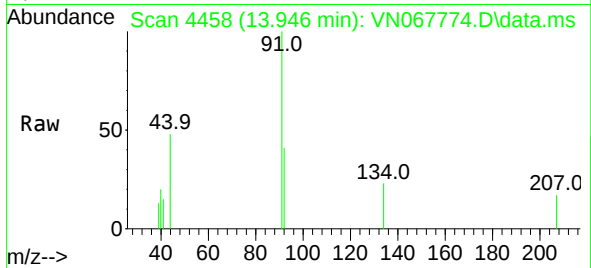




#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

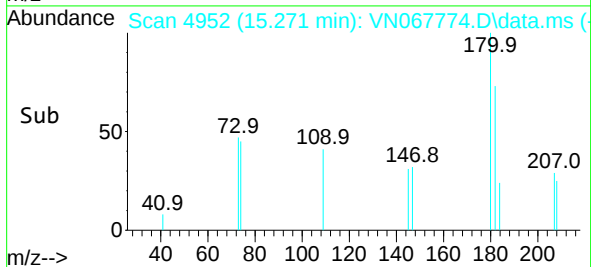
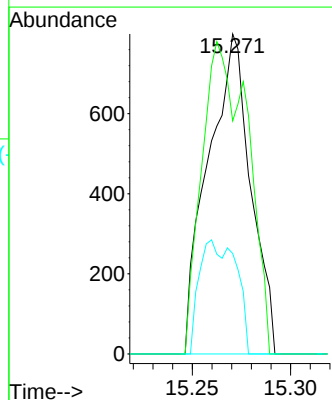
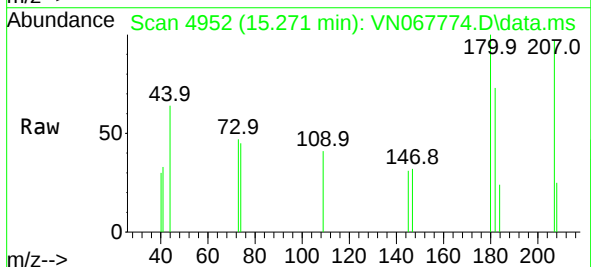
Instrument :
MSVOA_N
ClientSampleId :

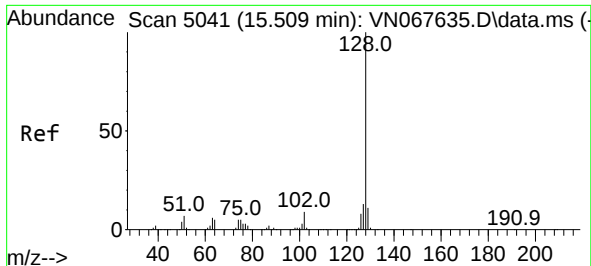
Tgt Ion: 91	Resp:	1955
Ion Ratio	Lower	Upper
91	100	
92	36.9	25.7 77.1
134	16.6	11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.048 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion: 180	Resp:	1198
Ion Ratio	Lower	Upper
180	100	
182	67.9	47.5 142.5
145	19.1	17.2 51.6

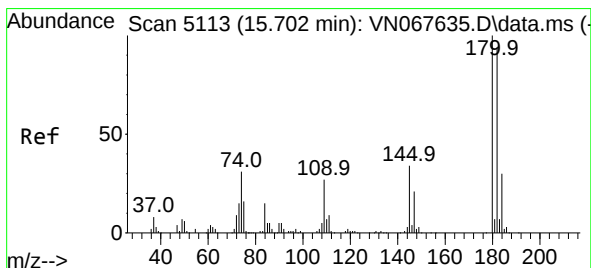
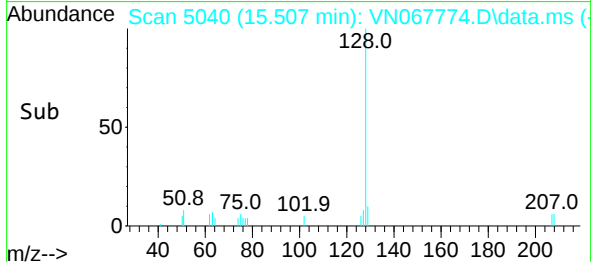
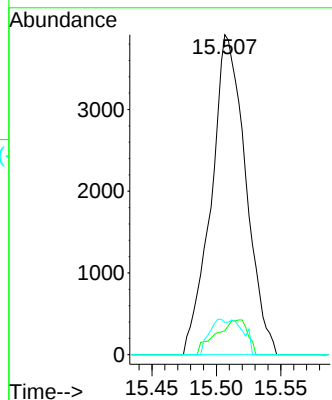
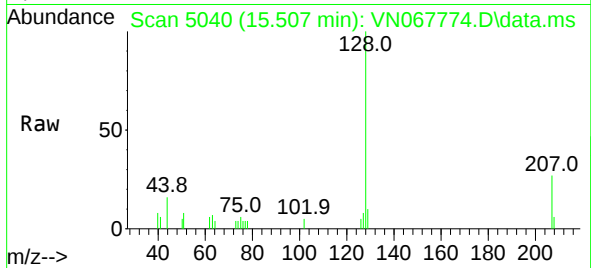




#95
Naphthalene
Concen: 3.777 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 7264
Ion Ratio Lower Upper
128 100
127 10.0 10.6 15.8#
129 6.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.096 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067774.D
Acq: 16 Jul 2021 15:46

Tgt Ion:180 Resp: 1425
Ion Ratio Lower Upper
180 100
182 104.6 47.8 143.3
145 12.1 18.2 54.6#

