

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067124.D
 Acq On : 18 May 2021 13:57
 Operator : JC/MD
 Sample : M2387-09 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:48:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

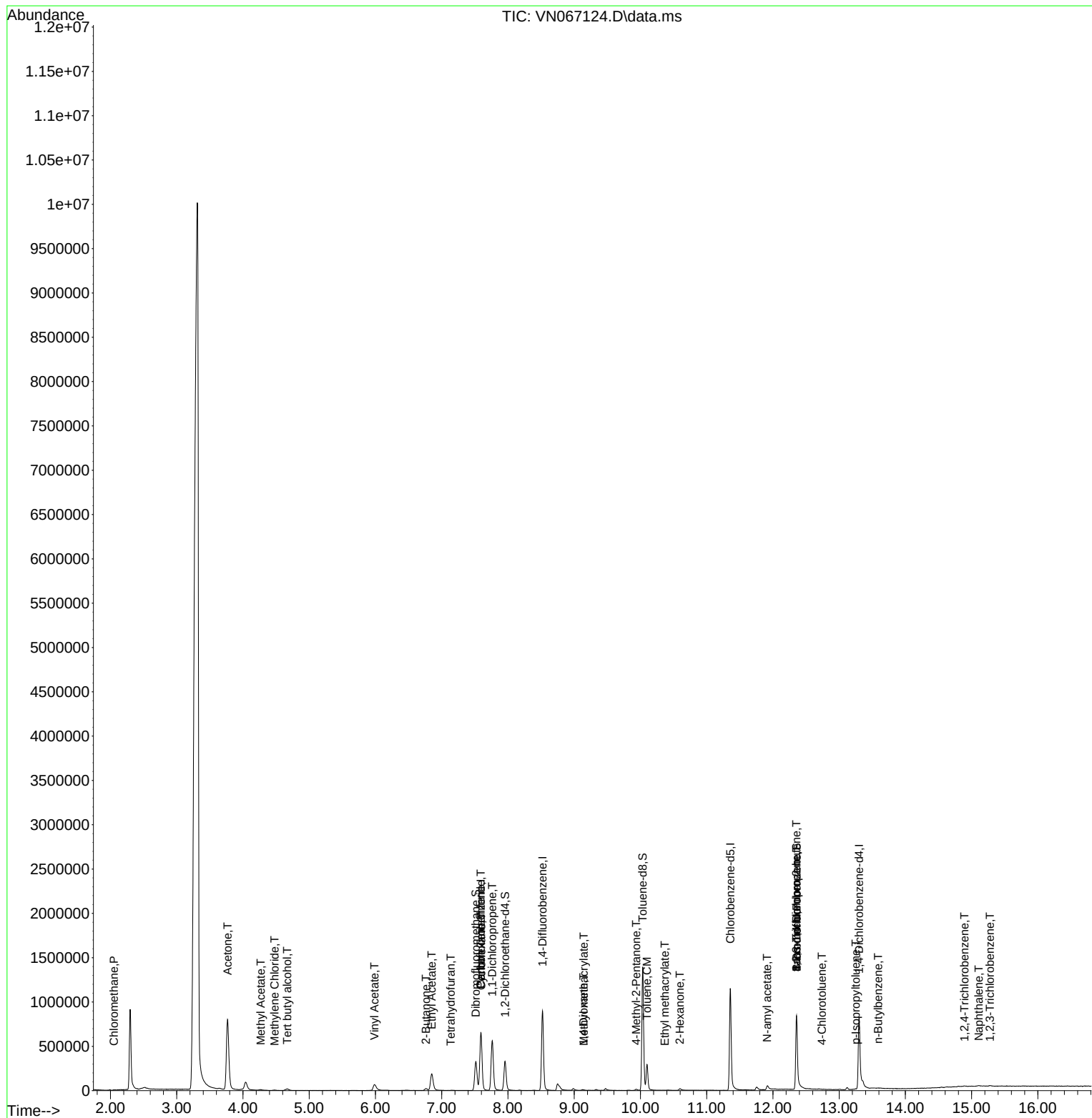
Internal Standards						
1) Pentafluorobenzene	7.592	168	620840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.522	114	870233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	809536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	326234	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	289223	43.12	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.24%		
35) Dibromofluoromethane	7.514	113	261945	45.84	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.68%		
50) Toluene-d8	10.035	98	1054044	48.67	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.34%		
62) 4-Bromofluorobenzene	12.358	95	350089	48.26	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.52%		
Target Compounds						Qvalue
3) Chloromethane	2.051	50	2177	0.32	ug/l	99
11) Tert butyl alcohol	4.668	59	15600	13.95	ug/l #	88
13) Acrolein	3.558	56	1204	Below Cal	#	60
16) Acetone	3.767	43	1324416	635.35	ug/l	99
18) Methyl Acetate	4.266	43	12647	2.04	ug/l #	85
20) Methylene Chloride	4.478	84	3561	0.60	ug/l #	90
23) Vinyl Acetate	5.985	43	12738	0.88	ug/l #	69
25) 2-Butanone	6.763	43	30838	9.49	ug/l	93
29) Tetrahydrofuran	7.136	42	1144	0.57	ug/l #	32
31) Cyclohexane	7.597	56	9630	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.761	75	2747	0.35	ug/l #	40
37) Ethyl Acetate	6.849	43	323838	46.19	ug/l	98
38) Carbon Tetrachloride	7.592	117	51278	6.07	ug/l #	15
48) Methyl methacrylate	9.147	41	155	1.97	ug/l #	1
49) 1,4-Dioxane	9.142	88	53	0.64	ug/l #	27
51) 4-Methyl-2-Pentanone	9.936	43	10894	6.92	ug/l	91
52) Toluene	10.099	92	134495	8.63	ug/l	99
56) Ethyl methacrylate	10.370	69	24	1.94	ug/l #	1
59) 2-Hexanone	10.595	43	7642	23.46	ug/l #	21
71) Bromoform	12.358	173	1651	2.02	ug/l #	1
74) N-amyl acetate	11.910	43	1494	0.33	ug/l #	1
76) 1,2,3-Trichloropropane	12.355	75	161834	23.51	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.355	75	161834	70.36	ug/l #	15
82) 4-Chlorotoluene	12.741	91	273	1.20	ug/l	94
86) p-Isopropyltoluene	13.248	119	5958	0.27	ug/l #	80
89) n-Butylbenzene	13.589	91	3404	0.20	ug/l #	67
93) 1,2,4-Trichlorobenzene	14.892	180	2004	0.35	ug/l	73
95) Naphthalene	15.109	128	9530	3.90	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.275	180	2691	0.50	ug/l	93

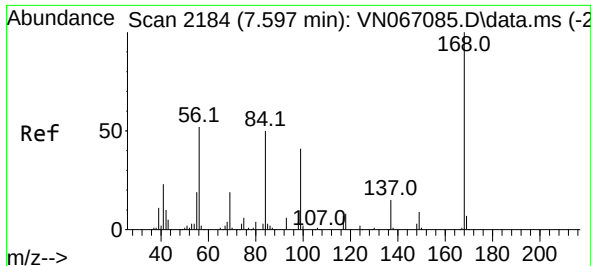
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
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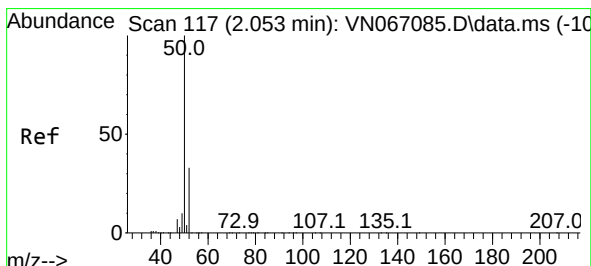
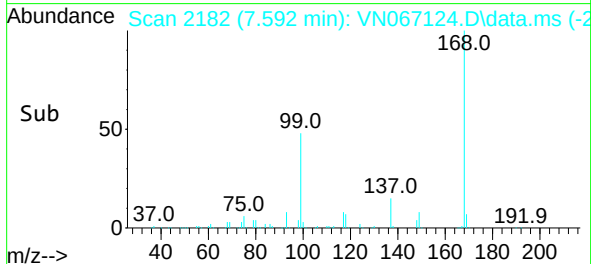
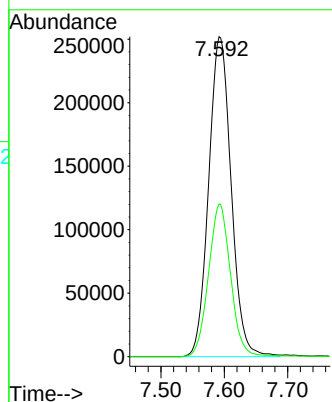
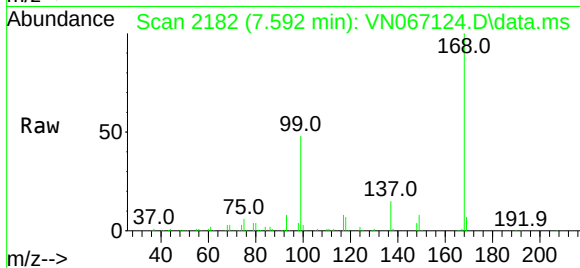




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2182
Delta R.T. -0.005 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

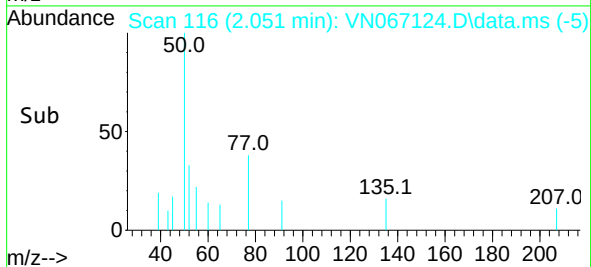
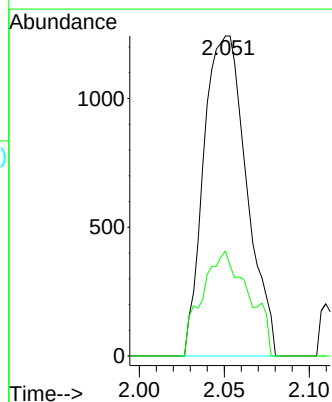
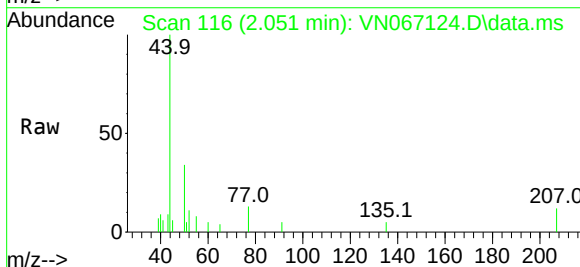
Instrument :
MSVOA_N
ClientSampled :

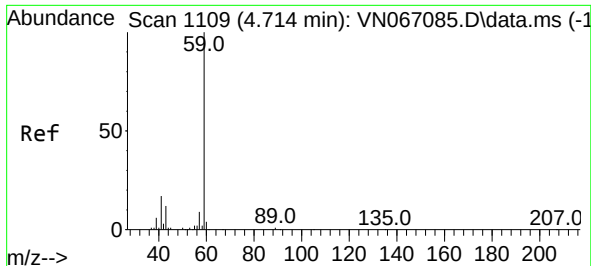
Tgt Ion:168 Resp: 620840
Ion Ratio Lower Upper
168 100
99 47.8 38.5 57.7



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.051 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 50 Resp: 2177
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7

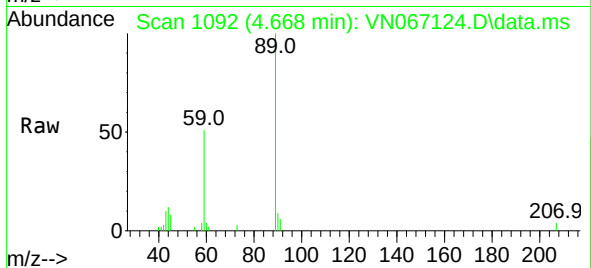




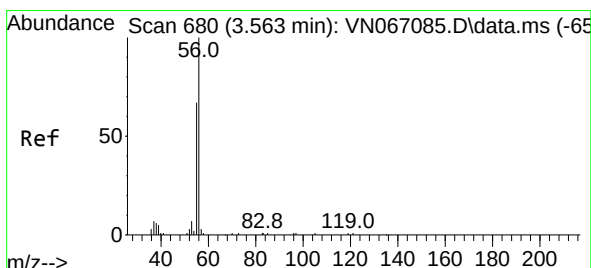
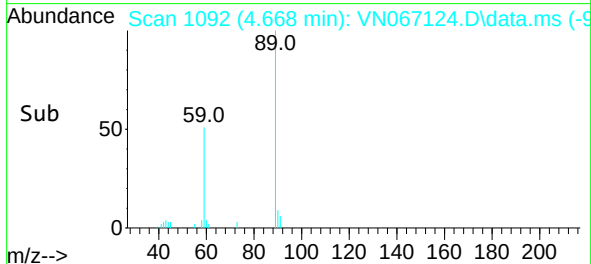
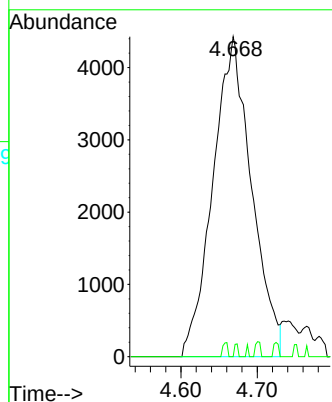
#11

Tert butyl alcohol
Concen: 13.95 ug/l
RT: 4.668 min Scan# 1092
Delta R.T. -0.046 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Instrument :
MSVOA_N
ClientSampled :



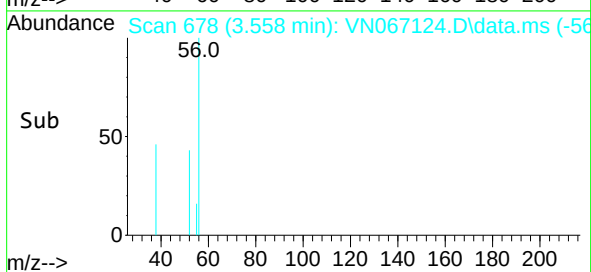
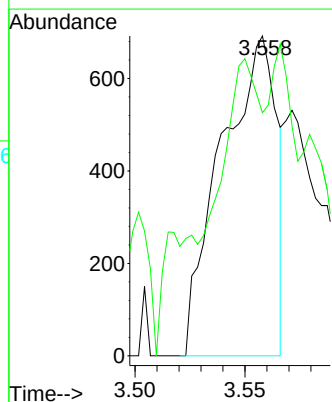
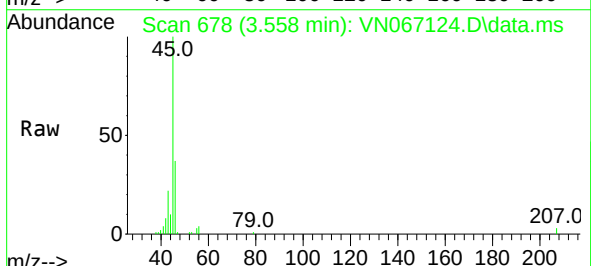
Tgt Ion: 59 Resp: 15600
Ion Ratio Lower Upper
59 100
57 0.4 3.5 5.3#

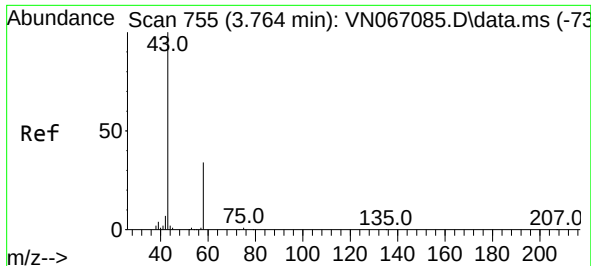


#13

Acrolein
Concen: Below Cal
RT: 3.558 min Scan# 678
Delta R.T. -0.005 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

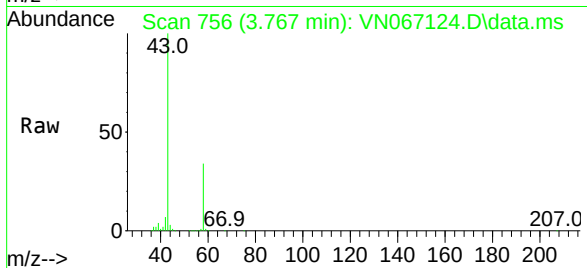
Tgt Ion: 56 Resp: 1204
Ion Ratio Lower Upper
56 100
55 34.7 53.8 80.6#



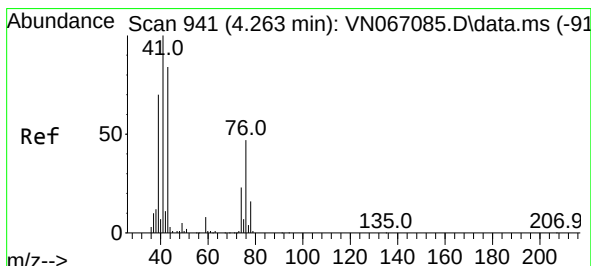
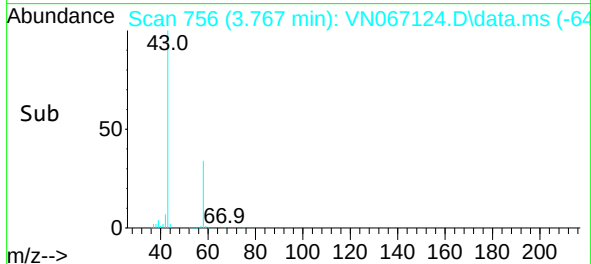
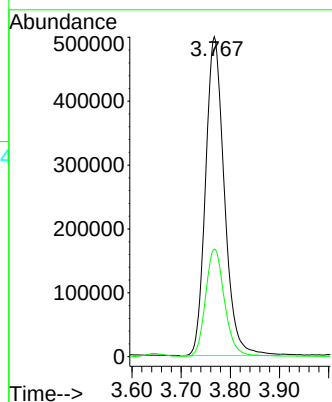


#16
Acetone
Concen: 635.35 ug/l
RT: 3.767 min Scan# 756
Delta R.T. 0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Instrument :
MSVOA_N
ClientSampled :

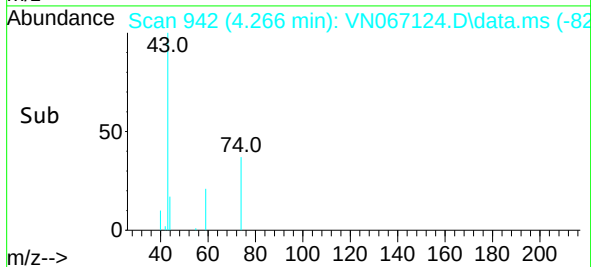
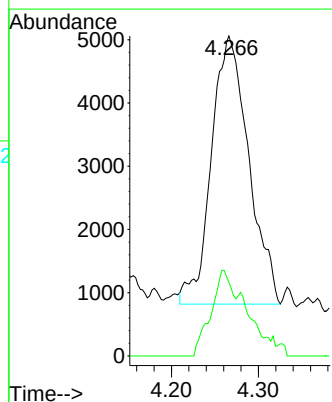
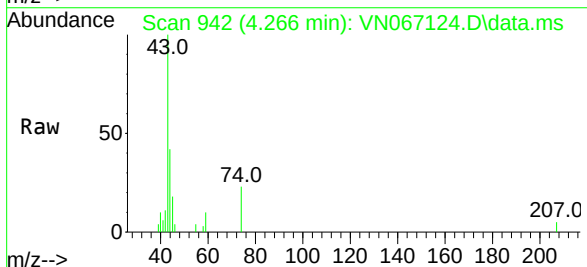


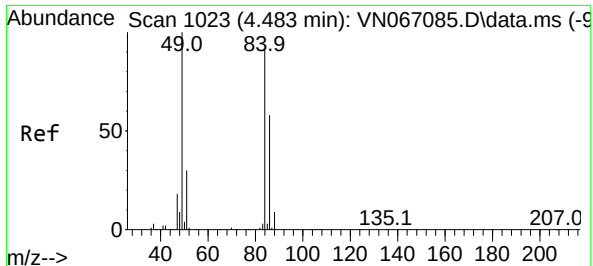
Tgt Ion: 43 Resp: 1324416
Ion Ratio Lower Upper
43 100
58 33.6 27.2 40.8



#18
Methyl Acetate
Concen: 2.04 ug/l
RT: 4.266 min Scan# 942
Delta R.T. 0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 43 Resp: 12647
Ion Ratio Lower Upper
43 100
74 18.8 21.4 32.2#





#20

Methylene Chloride

Concen: 0.60 ug/l

RT: 4.478 min Scan# 1021

Delta R.T. -0.005 min

Lab File: VN067124.D

Acq: 18 May 2021 13:57

Tgt Ion: 84 Resp: 3561

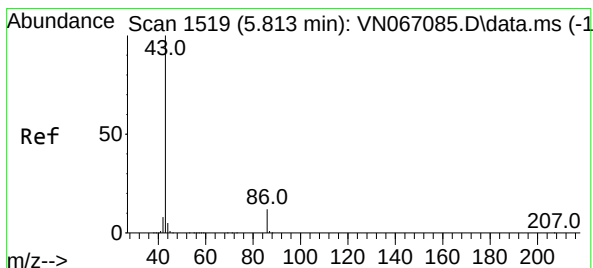
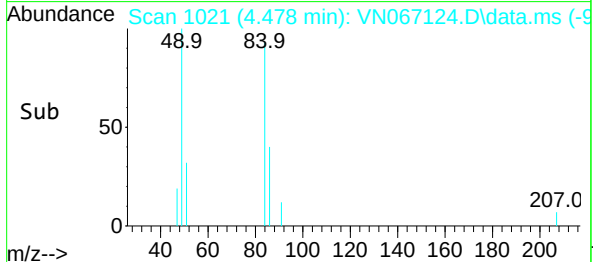
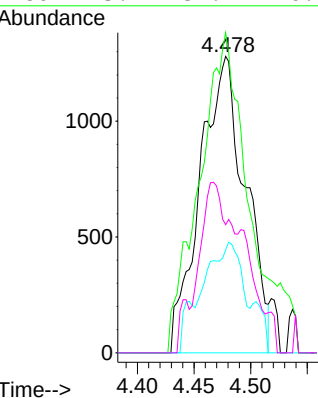
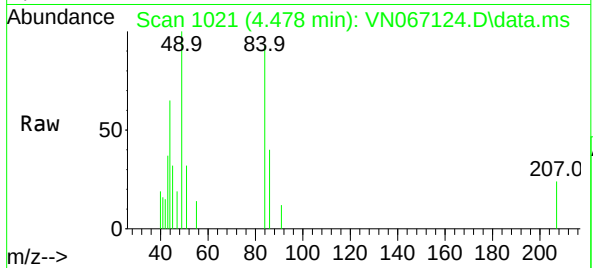
Ion Ratio Lower Upper

84 100

49 108.0 88.3 132.5

51 34.7 26.7 40.1

86 43.2 51.1 76.7#



#23

Vinyl Acetate

Concen: 0.88 ug/l

RT: 5.985 min Scan# 1583

Delta R.T. 0.172 min

Lab File: VN067124.D

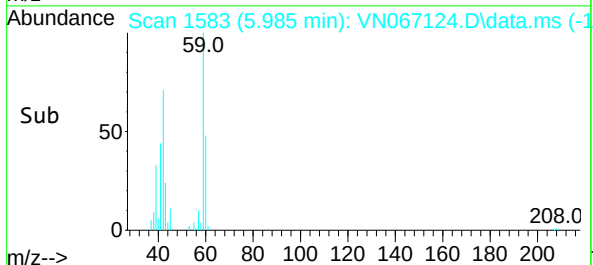
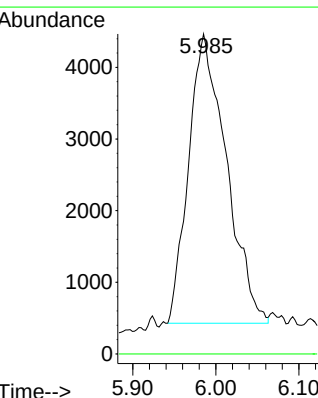
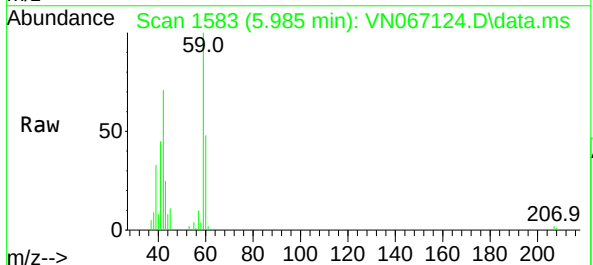
Acq: 18 May 2021 13:57

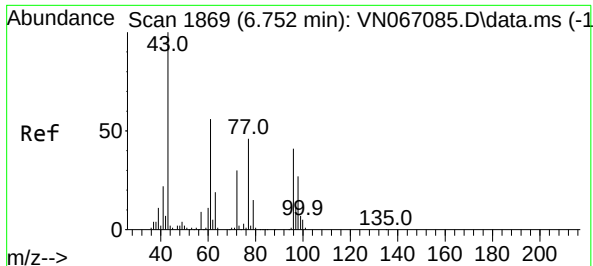
Tgt Ion: 43 Resp: 12738

Ion Ratio Lower Upper

43 100

86 0.0 9.5 14.3#

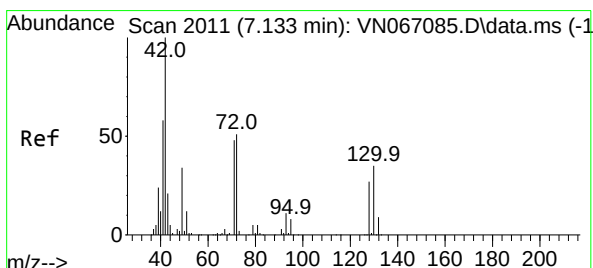
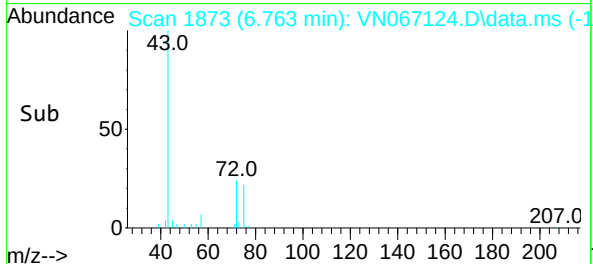
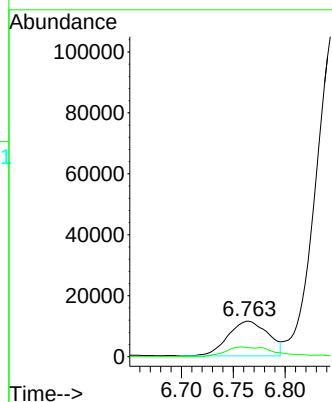
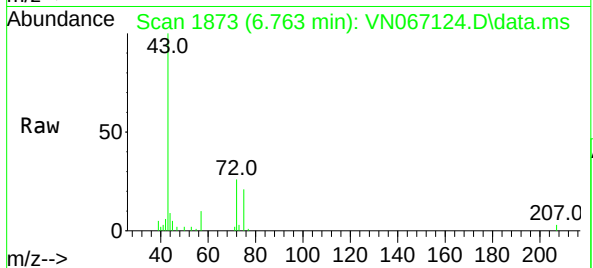




#25
2-Butanone
Concen: 9.49 ug/l
RT: 6.763 min Scan# 1873
Delta R.T. 0.011 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

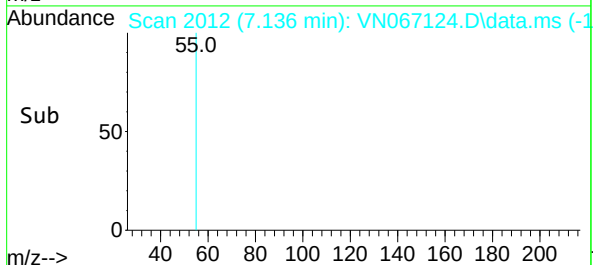
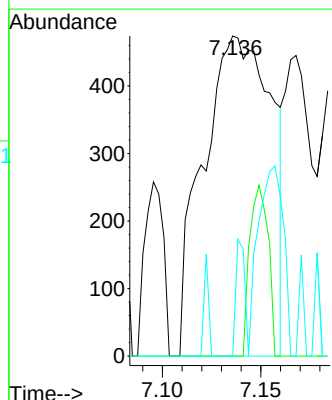
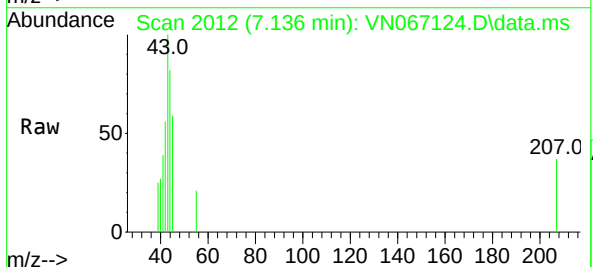
Instrument :
MSVOA_N
ClientSampled :

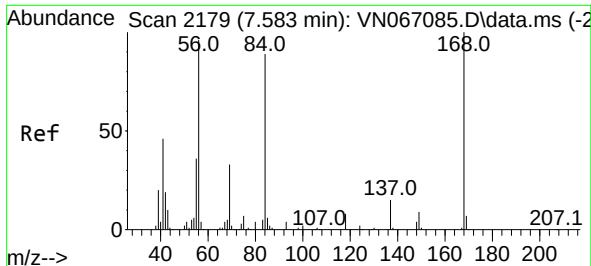
Tgt Ion: 43 Resp: 30838
Ion Ratio Lower Upper
43 100
72 26.8 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 7.136 min Scan# 2012
Delta R.T. 0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

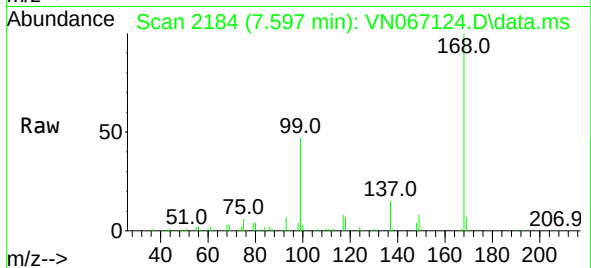
Tgt Ion: 42 Resp: 1144
Ion Ratio Lower Upper
42 100
72 0.0 40.1 60.1#
71 4.6 37.9 56.9#



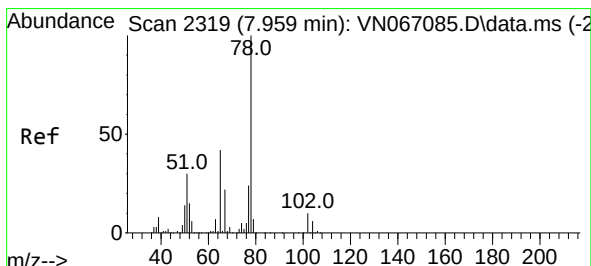
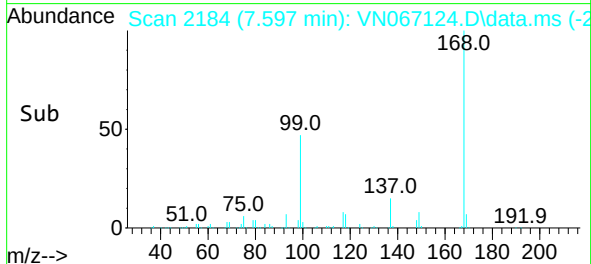
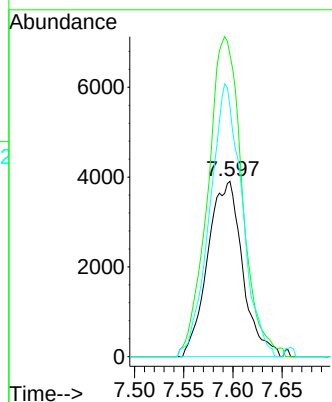


#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.014 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Instrument :
MSVOA_N
ClientSampled :

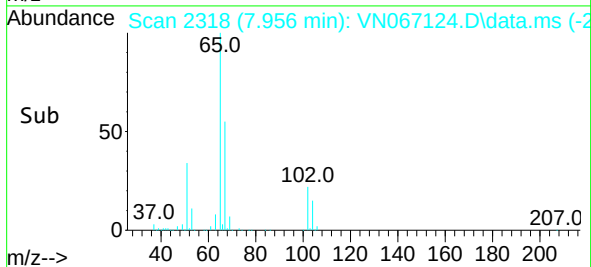
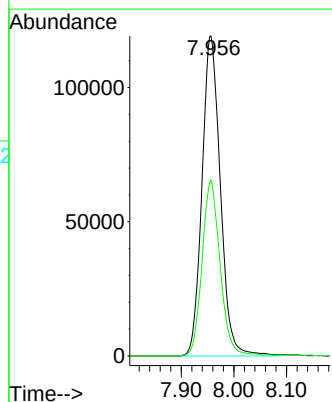
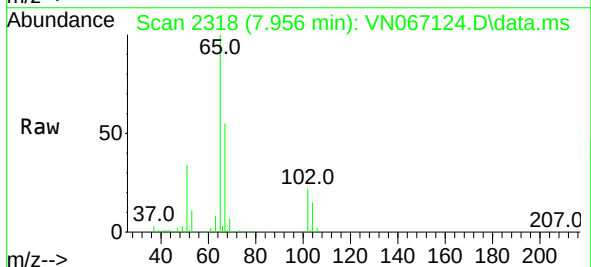


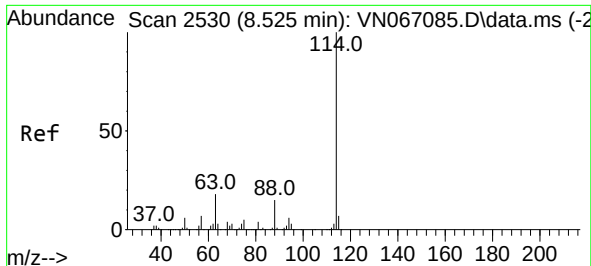
Tgt Ion: 56 Resp: 9630
Ion Ratio Lower Upper
56 100
69 168.0 28.0 42.0#
84 142.8 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 43.12 ug/l
RT: 7.956 min Scan# 2318
Delta R.T. -0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 65 Resp: 289223
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.4

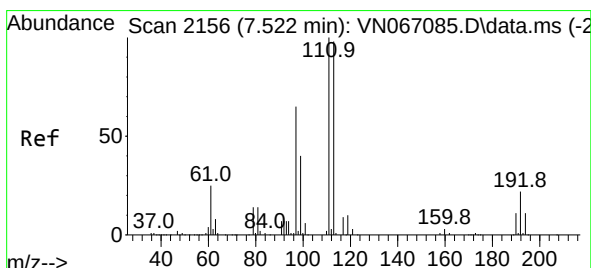
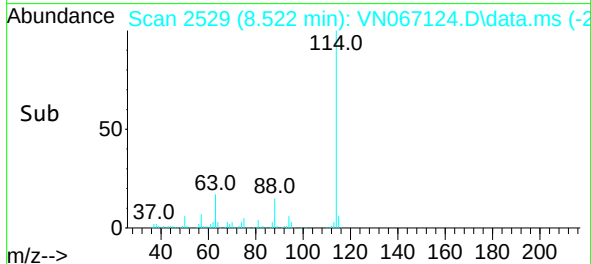
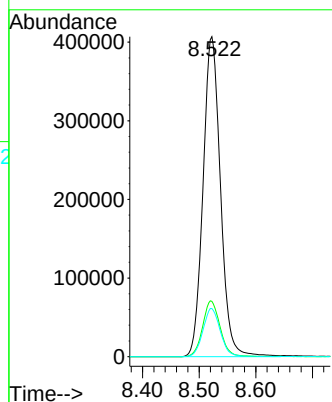
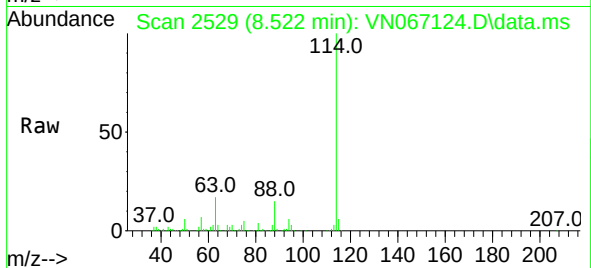




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.522 min Scan# 2529
Delta R.T. -0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

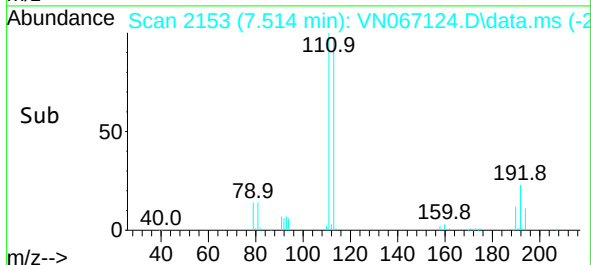
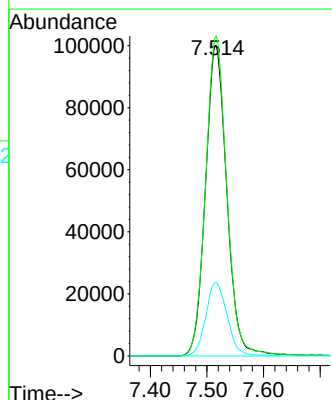
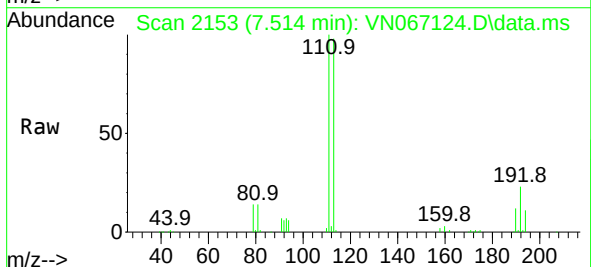
Instrument :
MSVOA_N
ClientSampleId :

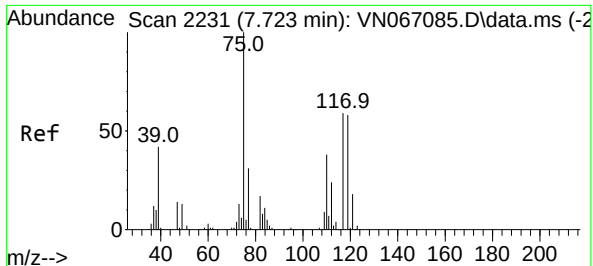
Tgt Ion:114 Resp: 870233
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.8
88 15.1 0.0 30.4



#35
Dibromofluoromethane
Concen: 45.84 ug/l
RT: 7.514 min Scan# 2153
Delta R.T. -0.008 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion:113 Resp: 261945
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 23.7 18.2 27.4

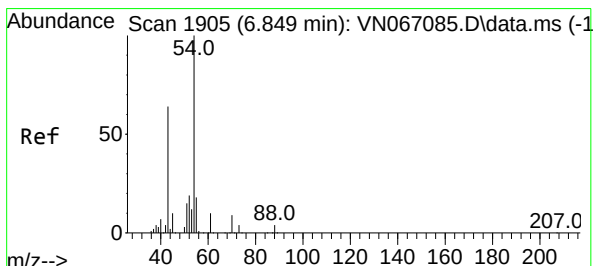
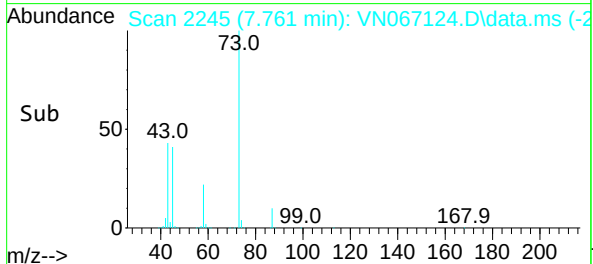
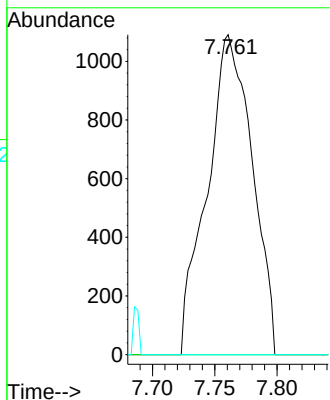
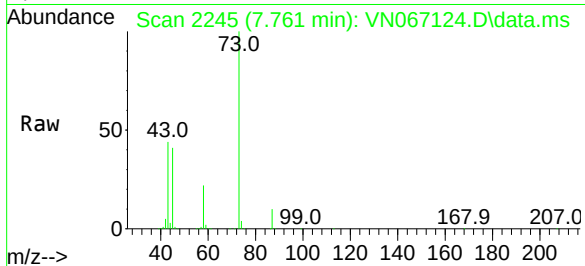




#36
1,1-Dichloropropene
Concen: 0.35 ug/l
RT: 7.761 min Scan# 2245
Delta R.T. 0.038 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

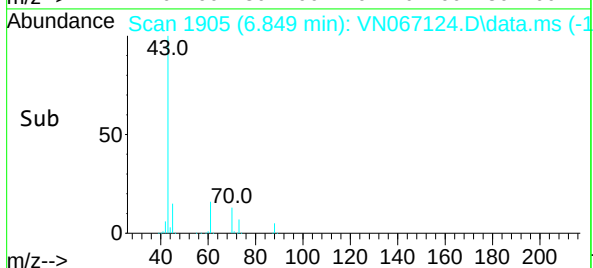
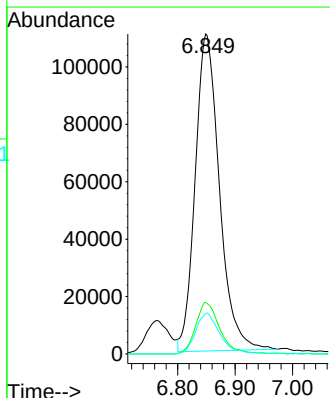
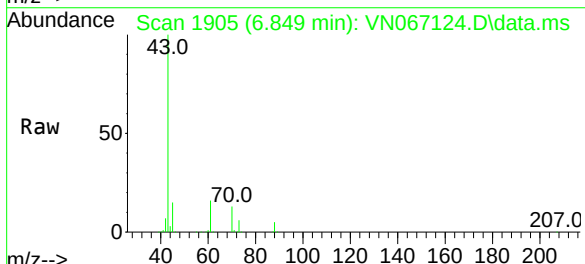
Instrument :
MSVOA_N
ClientSampled :

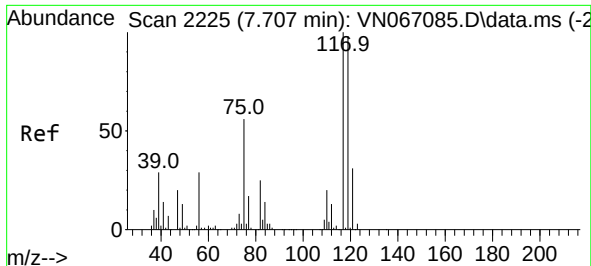
Tgt Ion: 75 Resp: 2747
Ion Ratio Lower Upper
75 100
110 0.0 19.1 57.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 46.19 ug/l
RT: 6.849 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

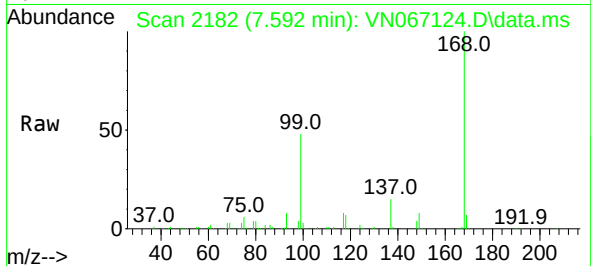
Tgt Ion: 43 Resp: 323838
Ion Ratio Lower Upper
43 100
61 16.1 13.0 19.4
70 12.9 9.2 13.8



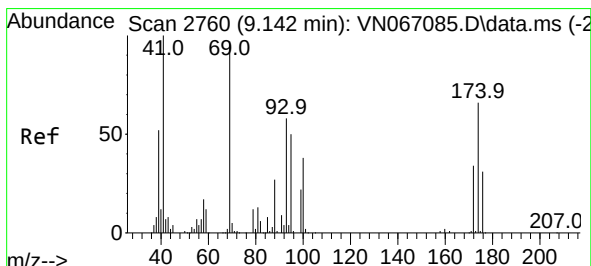
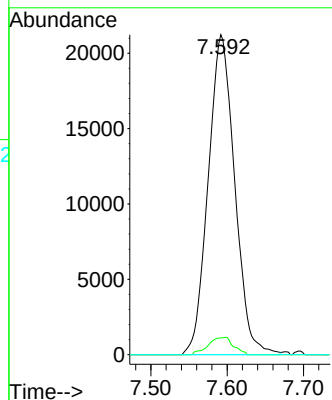
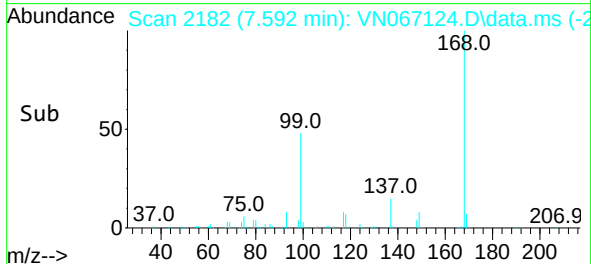


#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 7.592 min Scan# 2182
Delta R.T. -0.115 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

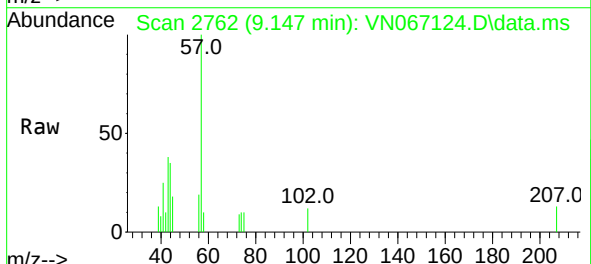
Instrument :
MSVOA_N
ClientSampled :



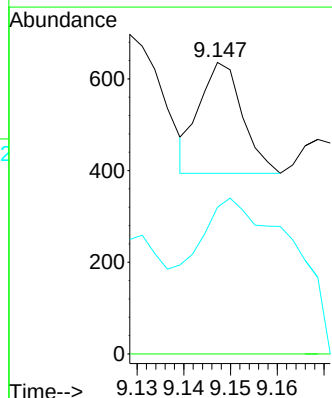
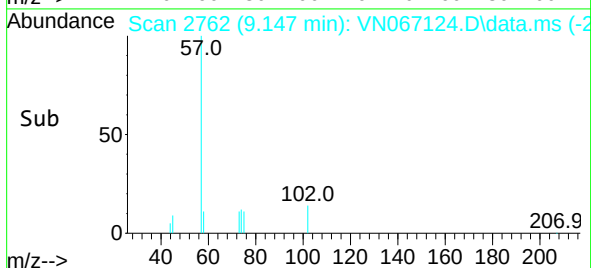
Tgt Ion: 117 Resp: 51278
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.7 37.1#

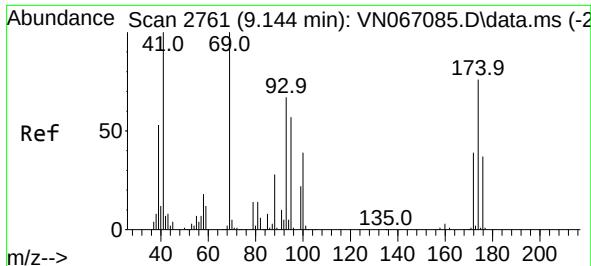


#48
Methyl methacrylate
Concen: 1.97 ug/l
RT: 9.147 min Scan# 2762
Delta R.T. 0.005 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57



Tgt Ion: 41 Resp: 155
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 302.6 41.4 62.0#





#49

1,4-Dioxane

Concen: 0.64 ug/l

RT: 9.142 min Scan# 2760

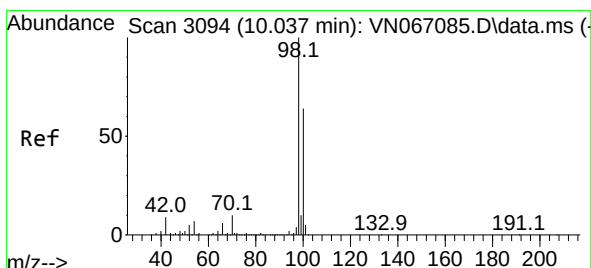
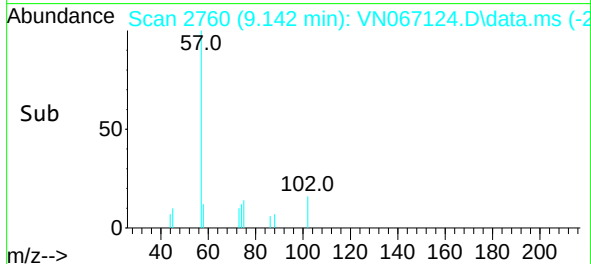
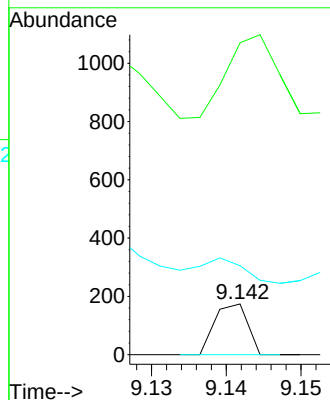
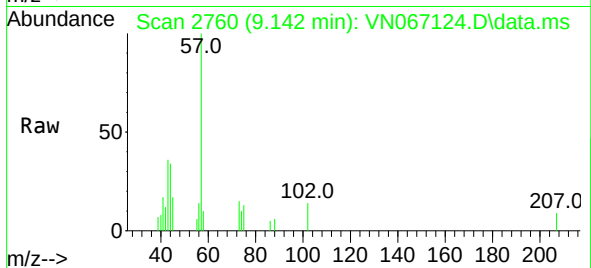
Delta R.T. -0.002 min

Lab File: VN067124.D

Acq: 18 May 2021 13:57

Tgt Ion:	88	Resp:	53
Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.8	32.8#
58	0.0	50.8	76.2#

Instrument :
MSVOA_N
ClientSampled :



#50

Toluene-d8

Concen: 48.67 ug/l

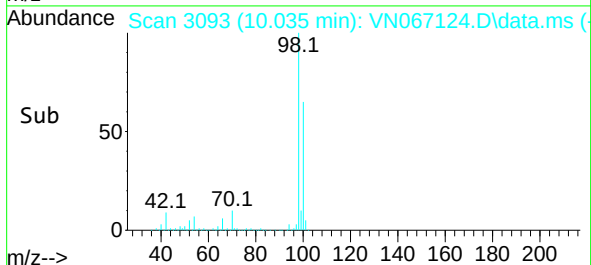
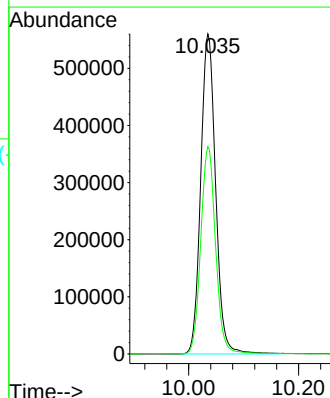
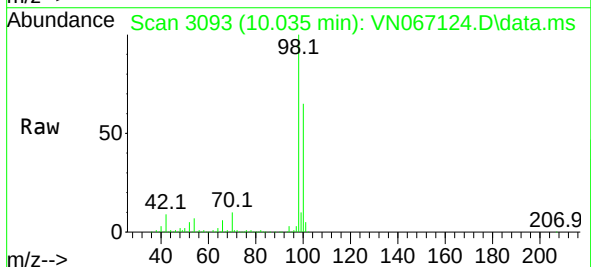
RT: 10.035 min Scan# 3093

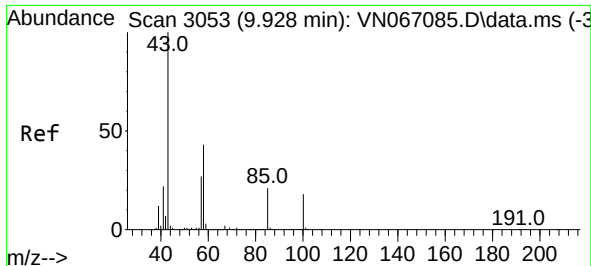
Delta R.T. -0.002 min

Lab File: VN067124.D

Acq: 18 May 2021 13:57

Tgt Ion:	98	Resp:	1054044
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.8

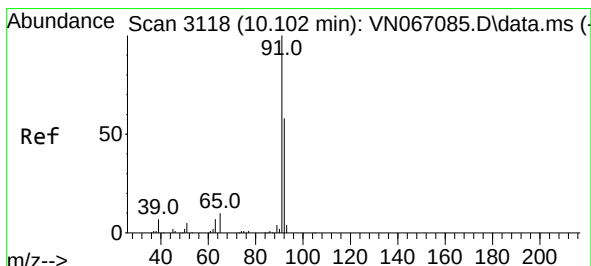
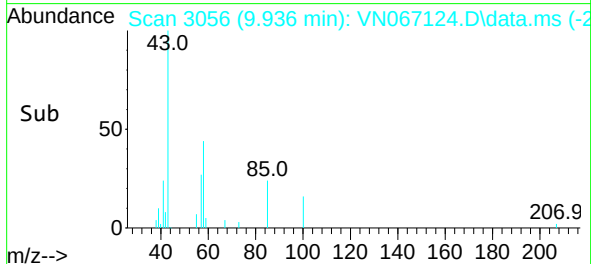
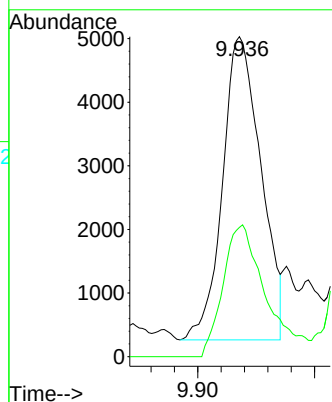
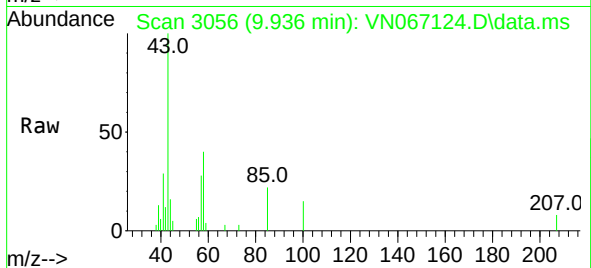




#51
4-Methyl-2-Pentanone
Concen: 6.92 ug/l
RT: 9.936 min Scan# 3056
Delta R.T. 0.008 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

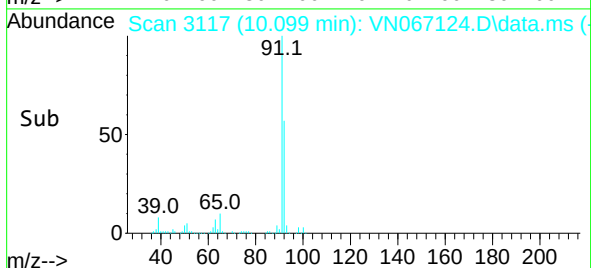
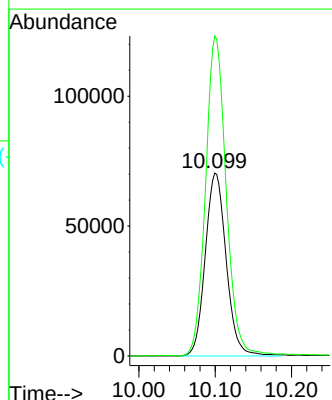
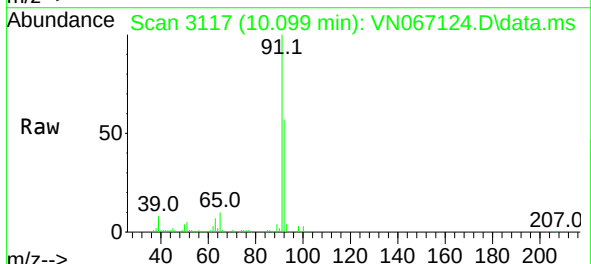
Instrument :
MSVOA_N
ClientSampleId :

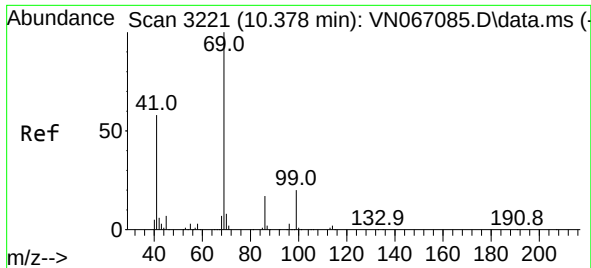
Tgt Ion: 43 Resp: 10894
Ion Ratio Lower Upper
43 100
58 48.7 34.5 51.7



#52
Toluene
Concen: 8.63 ug/l
RT: 10.099 min Scan# 3117
Delta R.T. -0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 92 Resp: 134495
Ion Ratio Lower Upper
92 100
91 172.1 138.7 208.1

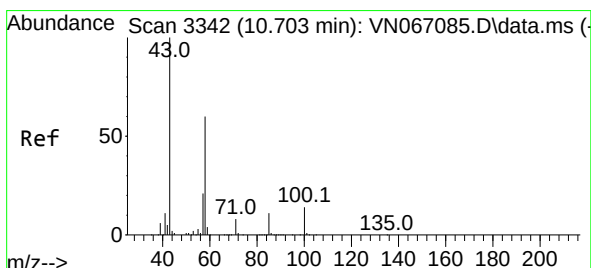
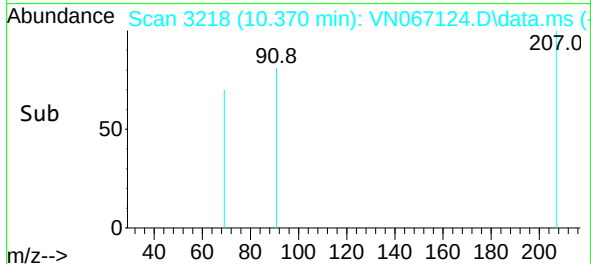
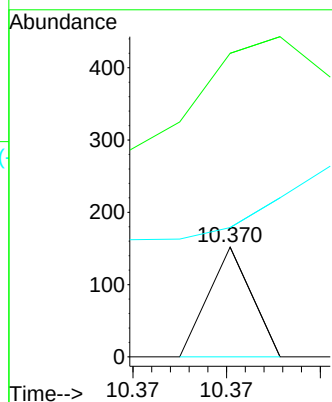
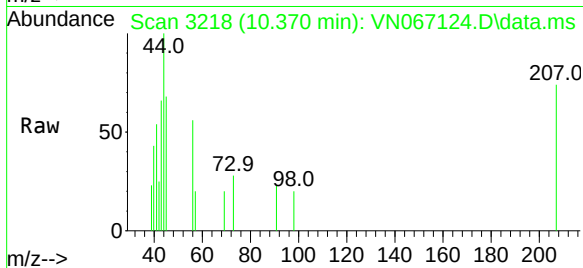




#56
Ethyl methacrylate
Concen: 1.94 ug/l
RT: 10.370 min Scan# 3218
Delta R.T. -0.008 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

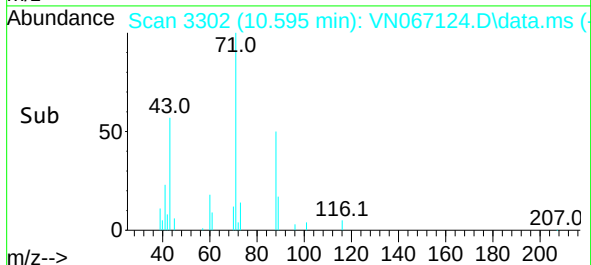
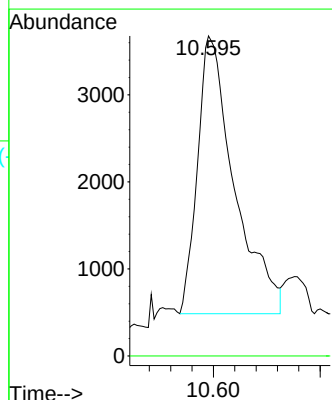
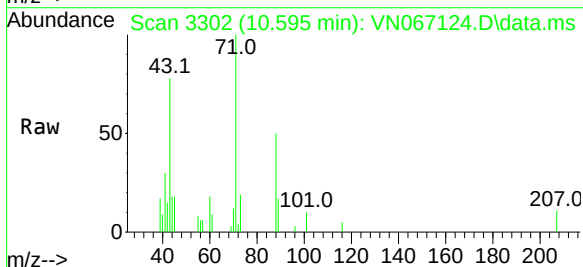
Instrument :
MSVOA_N
ClientSampled :

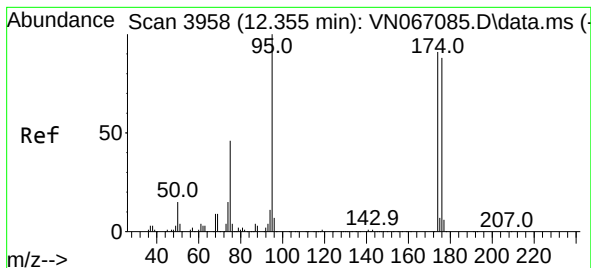
Tgt Ion:	69	Resp:	24
Ion	Ratio	Lower	Upper
69	100		
41	345.8	45.5	68.3#
39	0.0	22.9	34.3#



#59
2-Hexanone
Concen: 23.46 ug/l
RT: 10.595 min Scan# 3302
Delta R.T. -0.108 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion:	43	Resp:	7642
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	89.5#

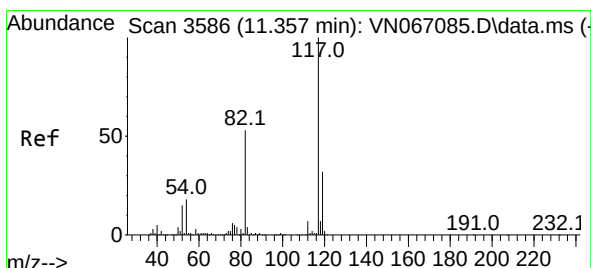
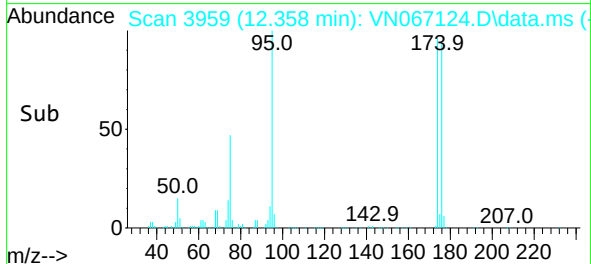
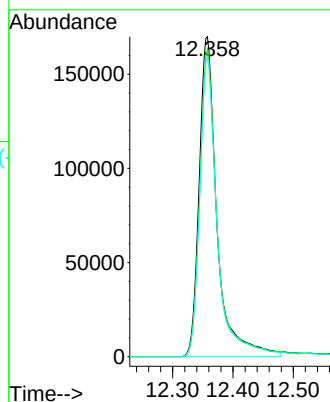
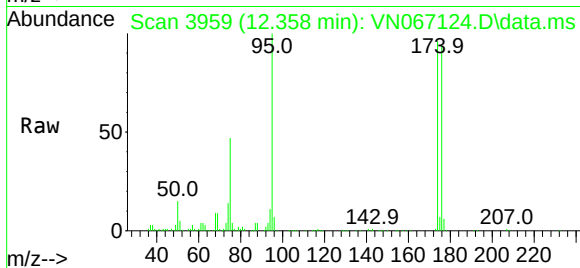




#62
4-Bromofluorobenzene
Concen: 48.26 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

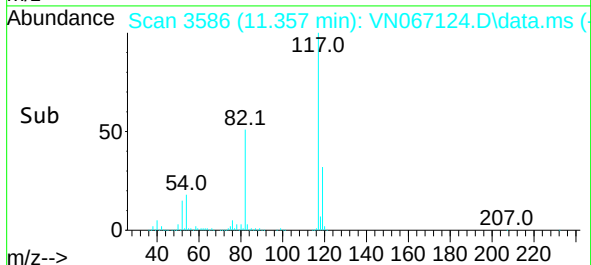
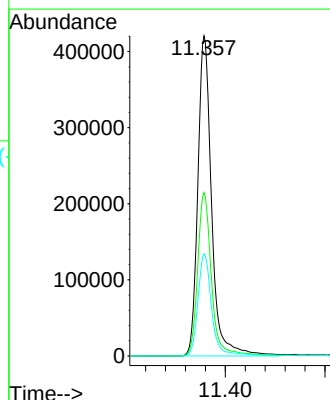
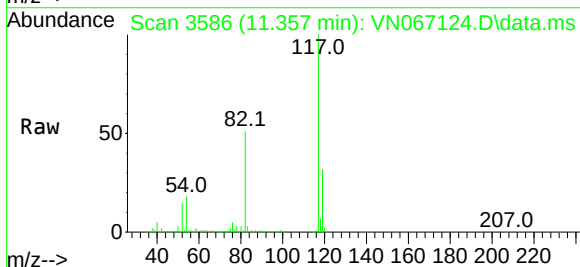
Instrument :
MSVOA_N
ClientSampleId :

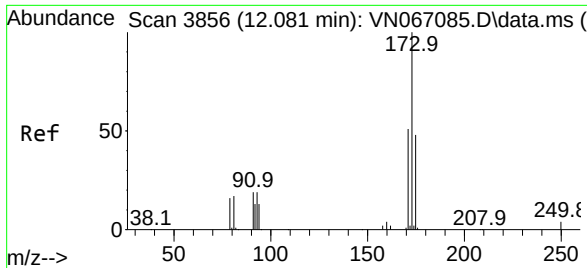
Tgt Ion: 95 Resp: 350089
Ion Ratio Lower Upper
95 100
174 95.1 0.0 182.8
176 91.5 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 117 Resp: 809536
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 31.9 25.8 38.6

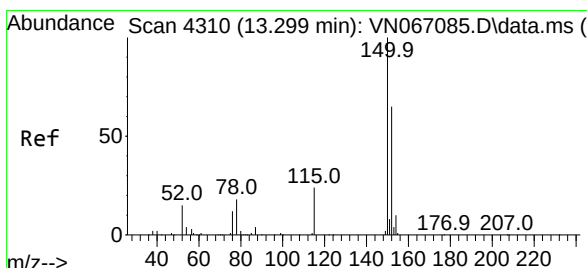
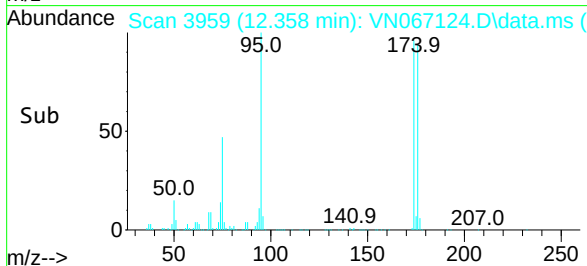
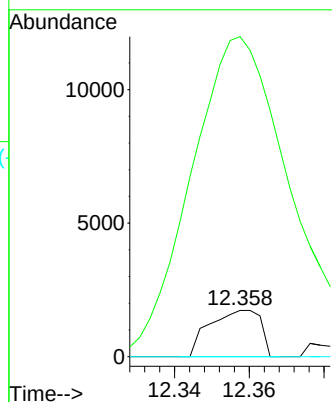
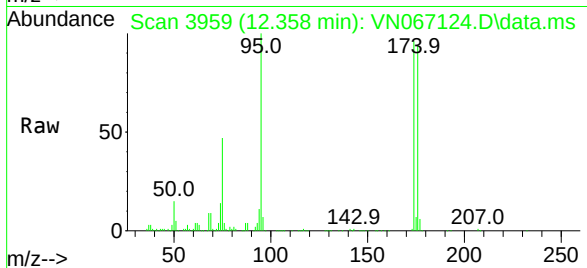




#71
Bromoform
Concen: 2.02 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.277 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

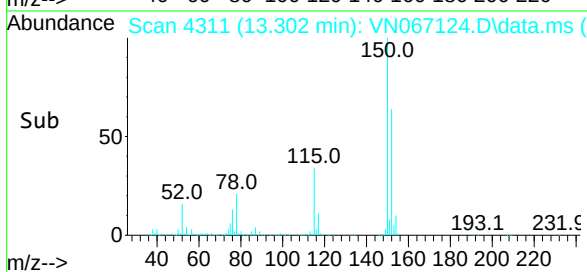
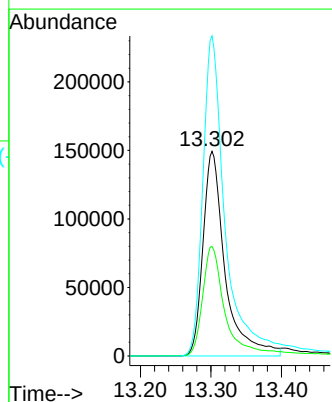
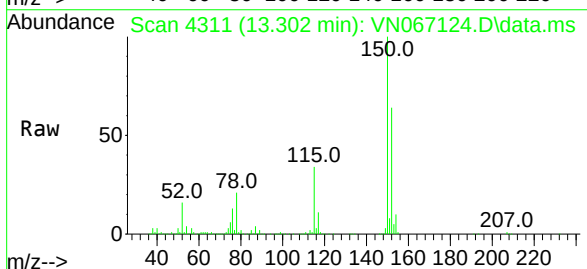
Instrument :
MSVOA_N
ClientSampled :

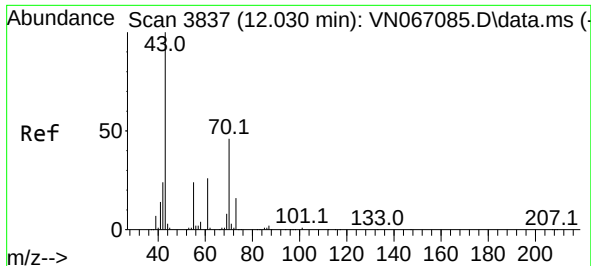
Tgt Ion:173 Resp: 1651
Ion Ratio Lower Upper
173 100
175 1152.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion:152 Resp: 326234
Ion Ratio Lower Upper
152 100
115 55.2 27.0 80.8
150 166.1 0.0 350.2

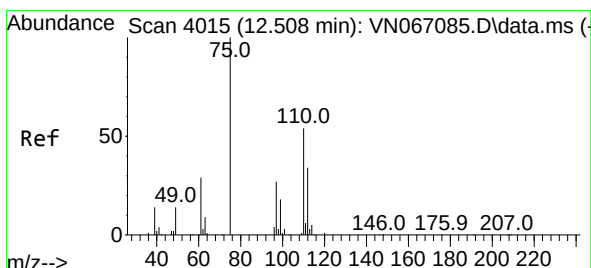
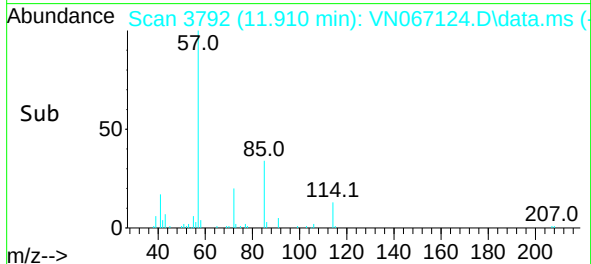
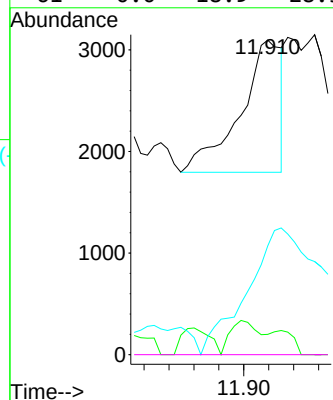
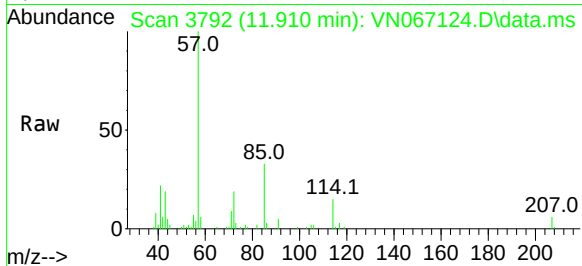




#74
N-amy1 acetate
Concen: 0.33 ug/l
RT: 11.910 min Scan# 3792
Delta R.T. -0.120 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

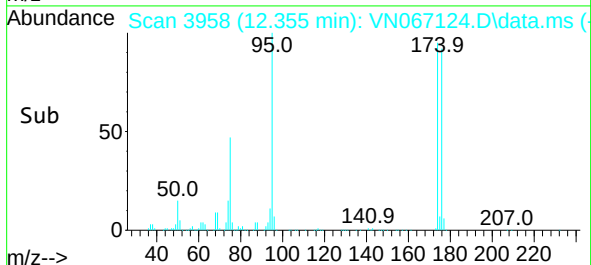
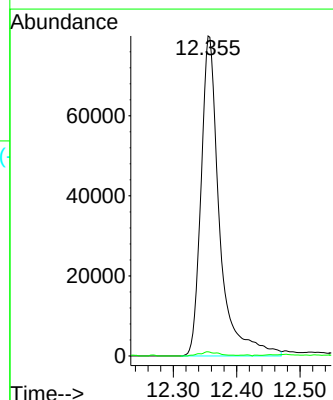
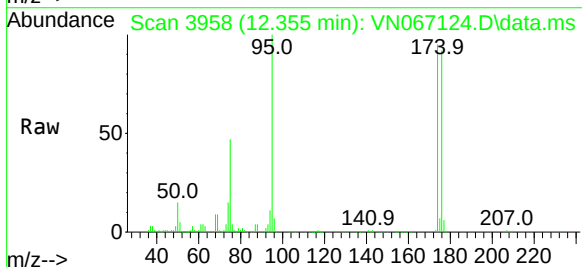
Instrument :
MSVOA_N
ClientSampled :

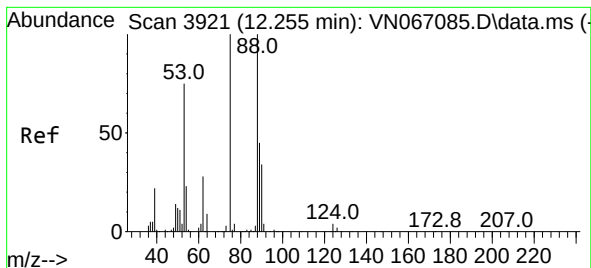
Tgt Ion: 43	Resp: 1494
Ion Ratio	Lower Upper
43	100
70	17.0 36.7 55.1#
55	268.3 17.6 26.4#
61	0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 23.51 ug/l
RT: 12.355 min Scan# 3958
Delta R.T. -0.153 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 75	Resp: 161834
Ion Ratio	Lower Upper
75	100
77	1.3 0.0 0.0#

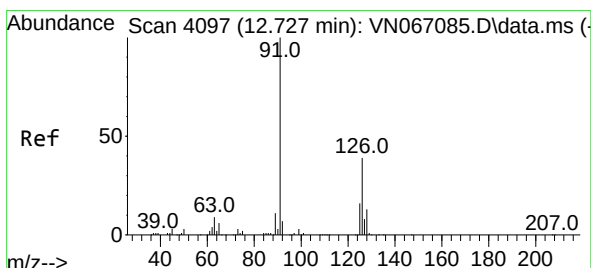
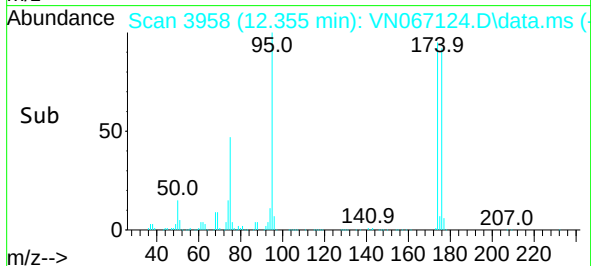
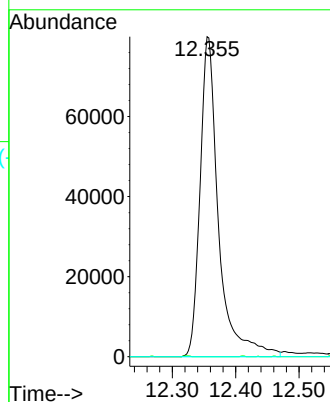
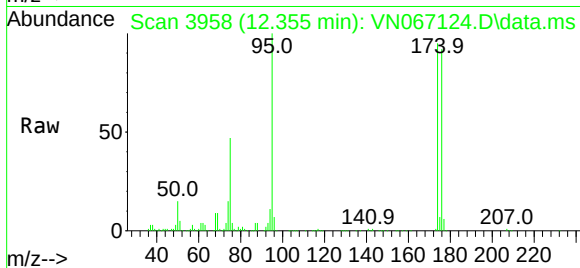




#81
trans-1,4-Dichloro-2-butene
Concen: 70.36 ug/l
RT: 12.355 min Scan# 3958
Delta R.T. 0.100 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

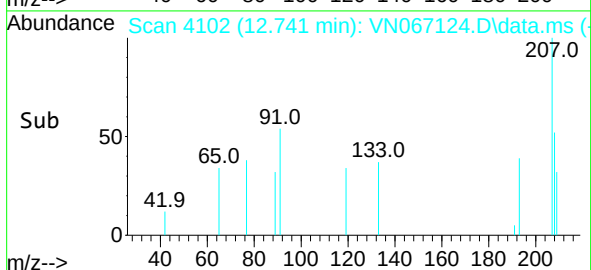
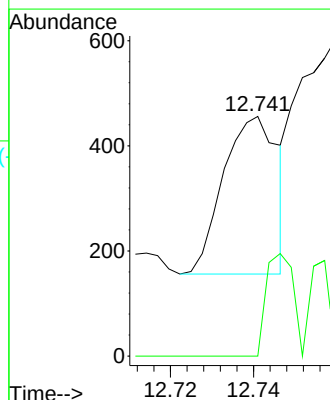
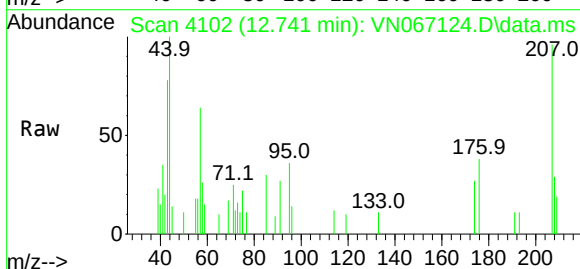
Instrument :
MSVOA_N
ClientSampleId :

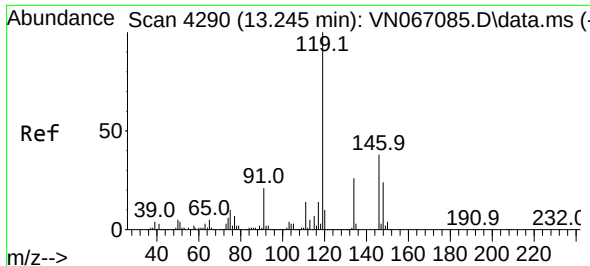
Tgt Ion: 75 Resp: 161834
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.20 ug/l
RT: 12.741 min Scan# 4102
Delta R.T. 0.014 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 91 Resp: 273
Ion Ratio Lower Upper
91 100
126 31.9 17.7 53.1

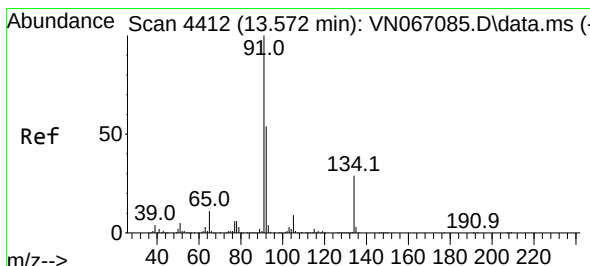
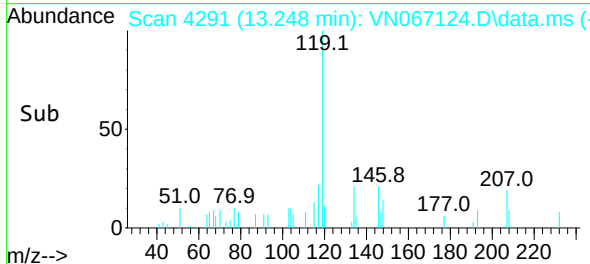
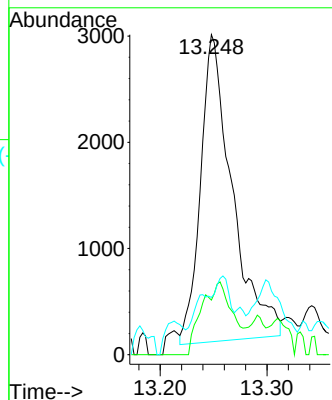
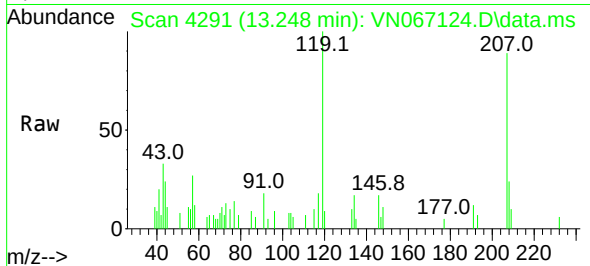




#86
p-Isopropyltoluene
Concen: 0.27 ug/l
RT: 13.248 min Scan# 4291
Delta R.T. 0.003 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

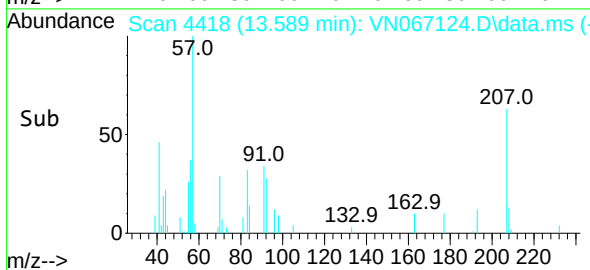
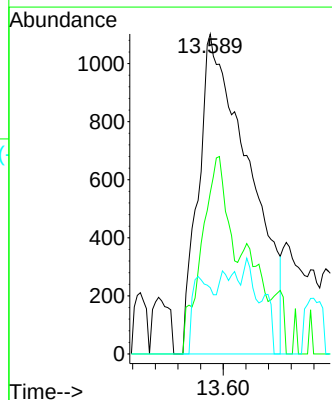
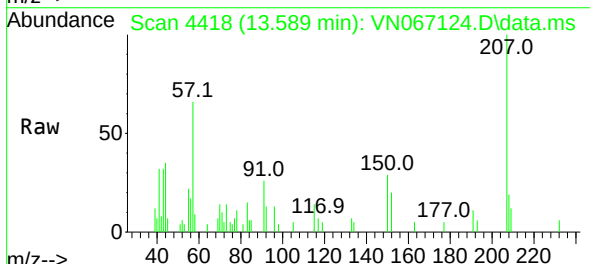
Instrument :
MSVOA_N
ClientSampleId :

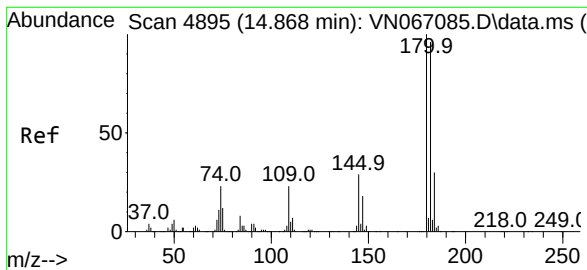
Tgt Ion: 119 Resp: 5958
Ion Ratio Lower Upper
119 100
134 22.8 13.3 39.9
91 4.7 10.7 32.1#



#89
n-Butylbenzene
Concen: 0.20 ug/l
RT: 13.589 min Scan# 4418
Delta R.T. 0.017 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

Tgt Ion: 91 Resp: 3404
Ion Ratio Lower Upper
91 100
92 35.0 26.5 79.5
134 3.3 14.3 42.9#

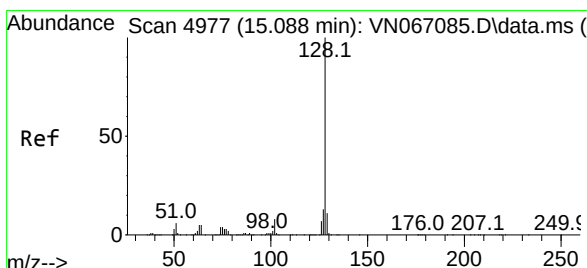
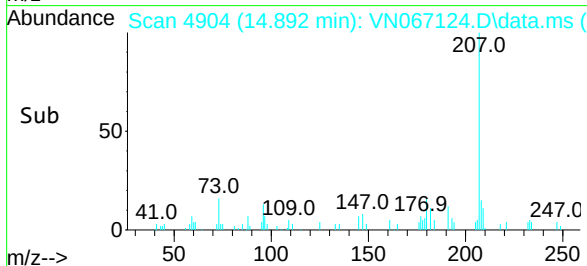
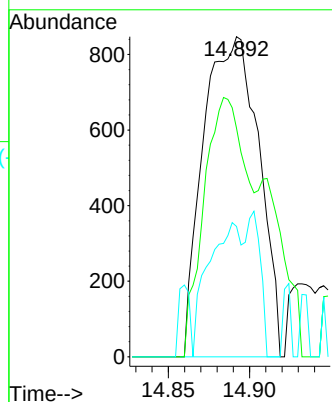
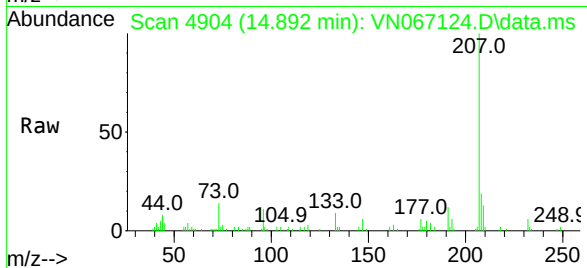




#93
1,2,4-Trichlorobenzene
Concen: 0.35 ug/l
RT: 14.892 min Scan# 4904
Delta R.T. 0.024 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

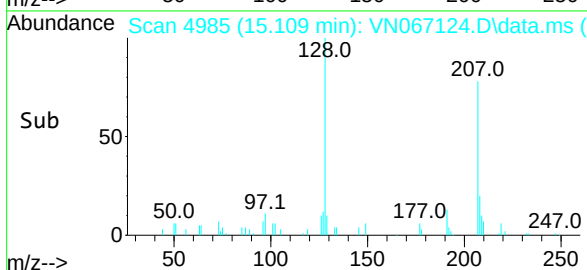
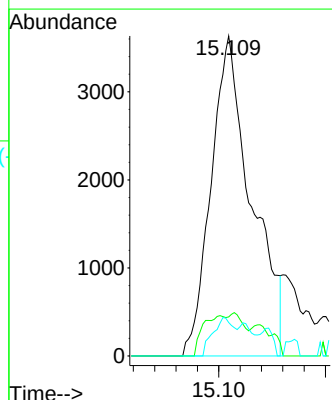
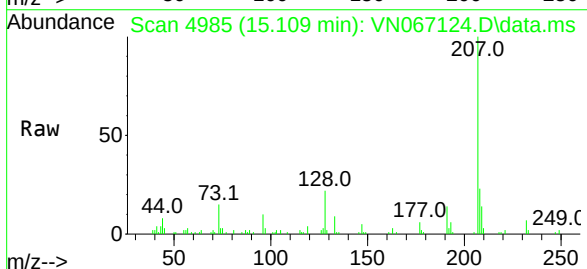
Instrument :
MSVOA_N
ClientSampled :

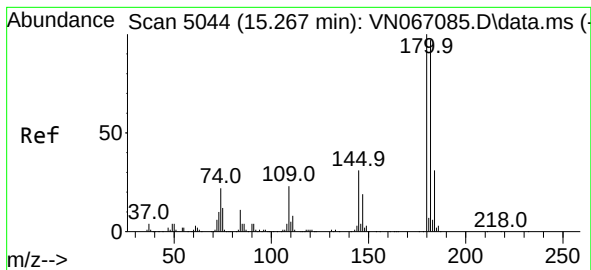
Tgt Ion:180 Resp: 2004
Ion Ratio Lower Upper
180 100
182 62.7 47.3 141.8
145 24.7 14.0 42.0



#95
Naphthalene
Concen: 3.90 ug/l
RT: 15.109 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN067124.D
Acq: 18 May 2021 13:57

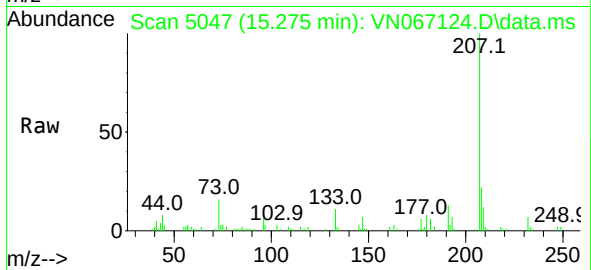
Tgt Ion:128 Resp: 9530
Ion Ratio Lower Upper
128 100
127 7.2 10.2 15.2#
129 6.4 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.50 ug/l
 RT: 15.275 min Scan# 5047
 Delta R.T. 0.008 min
 Lab File: VN067124.D
 Acq: 18 May 2021 13:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2691
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.6
145	45.4	15.4	46.2

