

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051921\
 Data File : VN067152.D
 Acq On : 19 May 2021 15:31
 Operator : JC/MD
 Sample : M2366-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 01:56:10 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)

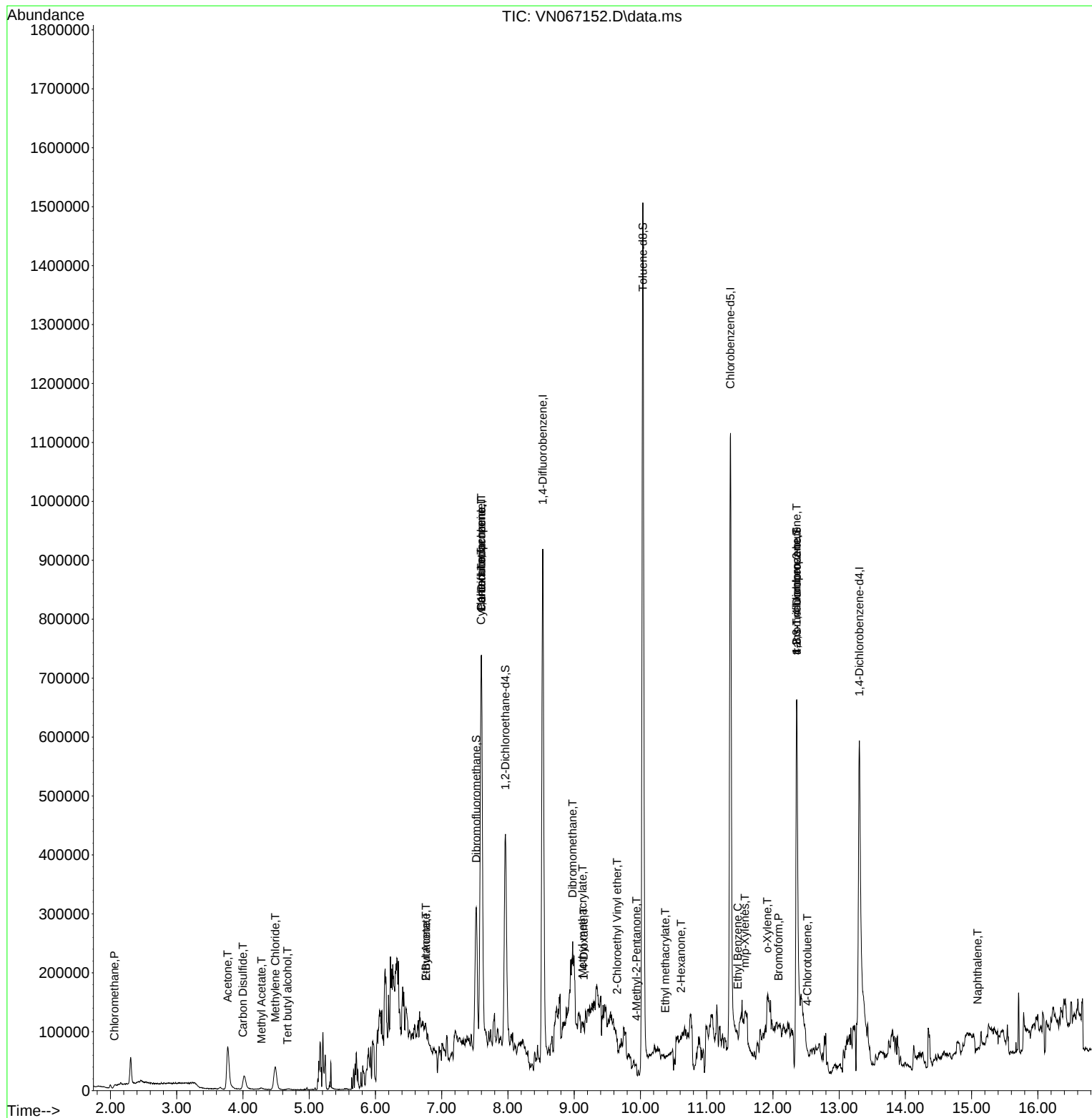
Internal Standards						
1) Pentafluorobenzene	7.600	168	653916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	897361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	744842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	300945	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	311927	44.15	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.30%		
35) Dibromofluoromethane	7.522	113	197353	33.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	66.98%#		
50) Toluene-d8	10.037	98	1136796	50.90	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.80%		
62) 4-Bromofluorobenzene	12.360	95	337498	45.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.24%		
Target Compounds						Qvalue
3) Chloromethane	2.059	50	1834	0.25	ug/l	94
11) Tert butyl alcohol	4.674	59	748	0.64	ug/l #	87
13) Acrolein	3.569	56	1175	Below Cal	#	52
16) Acetone	3.770	43	124802	56.84	ug/l	95
17) Carbon Disulfide	3.998	76	6115	0.37	ug/l #	91
18) Methyl Acetate	4.279	43	3486	0.53	ug/l #	74
20) Methylene Chloride	4.488	84	33026	4.67	ug/l	96
25) 2-Butanone	6.763	43	34885	10.19	ug/l	89
31) Cyclohexane	7.594	56	8502	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	35585	4.35	ug/l #	47
37) Ethyl Acetate	6.763	43	34885	4.83	ug/l #	66
38) Carbon Tetrachloride	7.597	117	52004	5.97	ug/l #	16
46) Dibromomethane	8.975	93	1099	0.25	ug/l	87
48) Methyl methacrylate	9.126	41	7162	3.14	ug/l #	18
49) 1,4-Dioxane	9.144	88	601	7.04	ug/l #	27
51) 4-Methyl-2-Pentanone	9.941	43	4927	6.07	ug/l #	78
56) Ethyl methacrylate	10.375	69	116	1.95	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.649	63	247	4.76	ug/l #	48
59) 2-Hexanone	10.611	43	781	22.07	ug/l	74
67) Ethyl Benzene	11.467	91	7231	0.26	ug/l #	78
68) m/p-Xylenes	11.577	106	8839	0.82	ug/l #	52
69) o-Xylene	11.915	106	10623	0.98	ug/l	86
71) Bromoform	12.084	173	700	1.88	ug/l #	28
76) 1,2,3-Trichloropropane	12.360	75	154638	24.35	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.360	75	154638	72.73	ug/l #	15
82) 4-Chlorotoluene	12.521	91	137	1.19	ug/l	74
95) Naphthalene	15.090	128	76	3.26	ug/l #	57

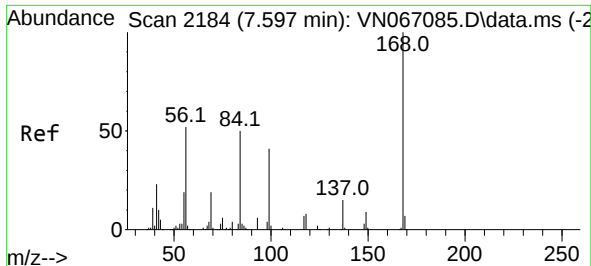
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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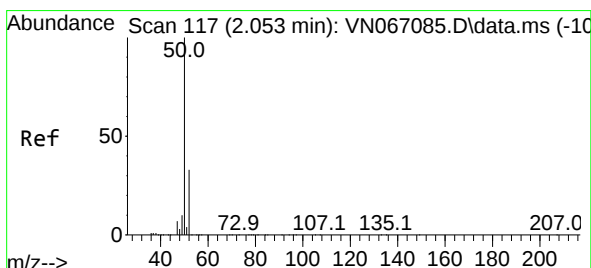
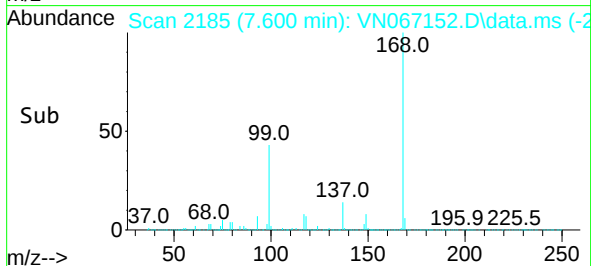
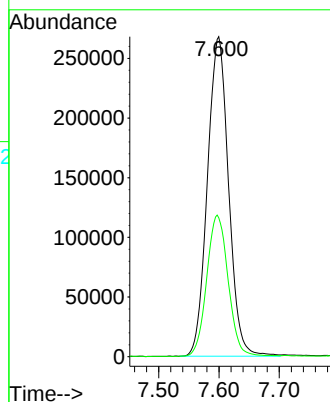
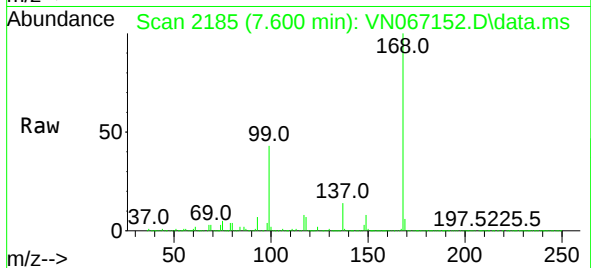




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

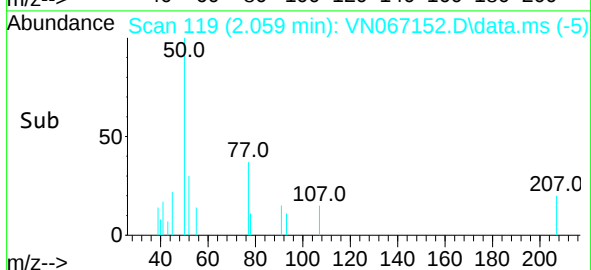
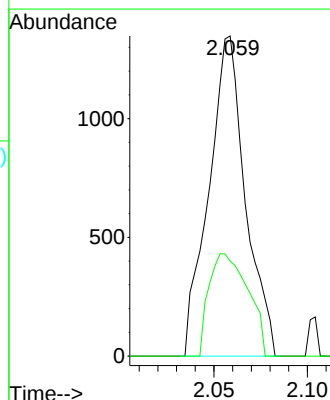
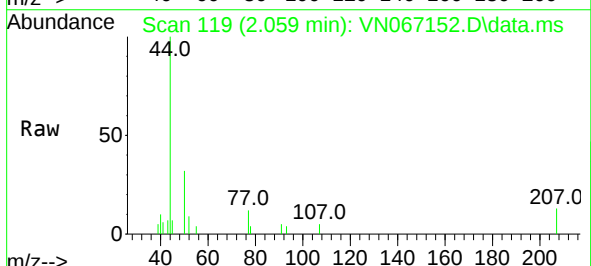
Instrument :
MSVOA_N
ClientSampled :

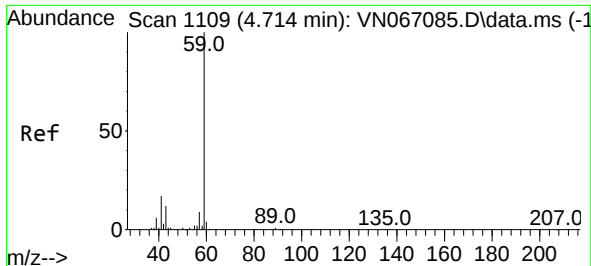
Tgt Ion:168 Resp: 653916
Ion Ratio Lower Upper
168 100
99 43.3 38.5 57.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.059 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 50 Resp: 1834
Ion Ratio Lower Upper
50 100
52 29.7 26.5 39.7

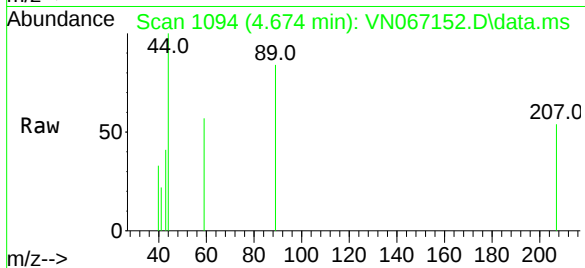




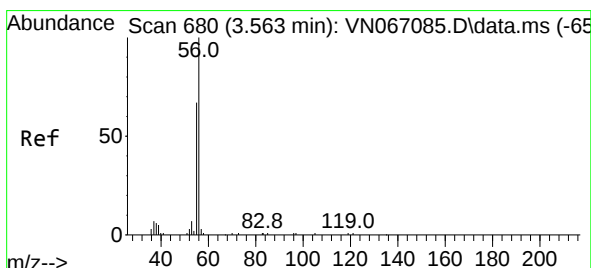
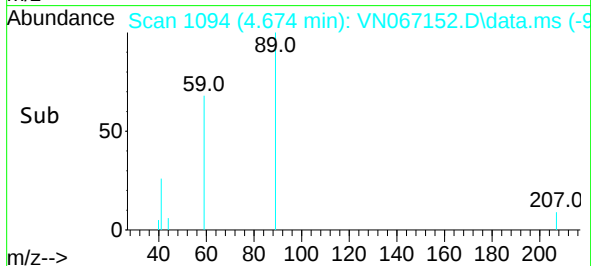
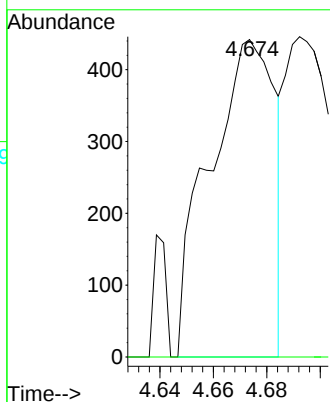
#11

Tert butyl alcohol
Concen: 0.64 ug/l
RT: 4.674 min Scan# 1094
Delta R.T. -0.040 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Instrument :
MSVOA_N
ClientSampled :



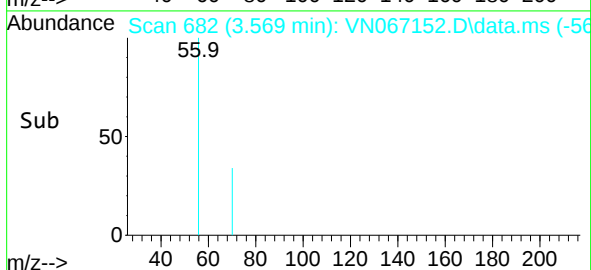
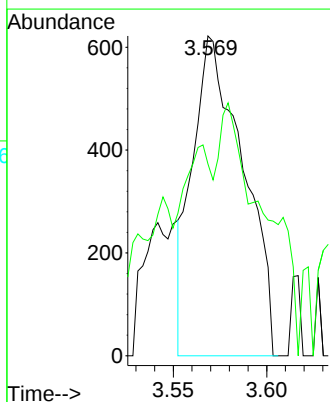
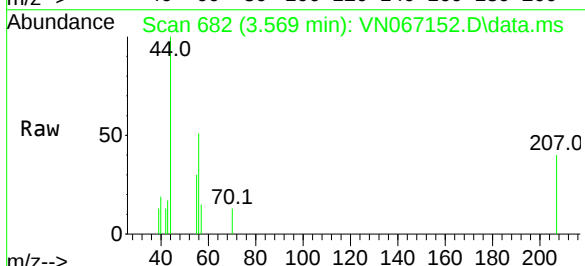
Tgt Ion: 59 Resp: 748
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

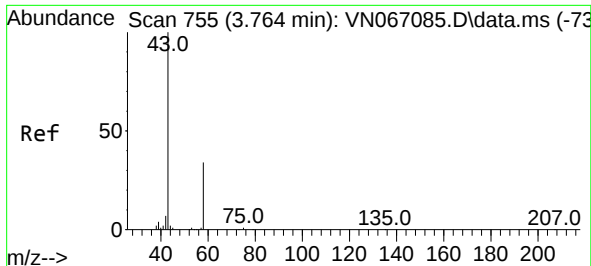


#13

Acrolein
Concen: Below Cal
RT: 3.569 min Scan# 682
Delta R.T. 0.006 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 56 Resp: 1175
Ion Ratio Lower Upper
56 100
55 28.8 53.8 80.6#

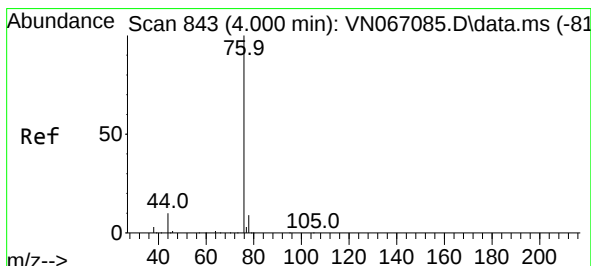
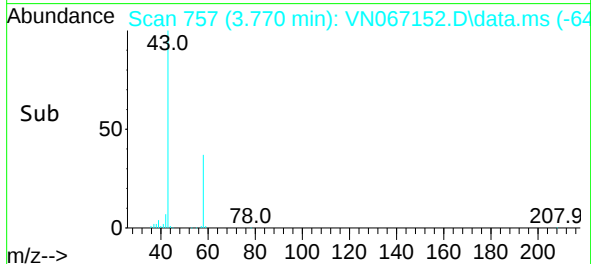
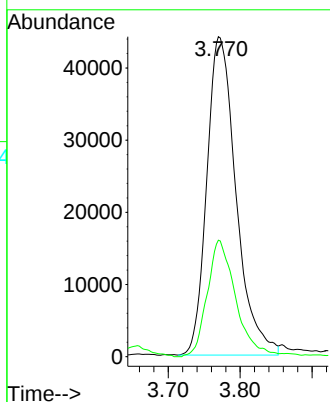
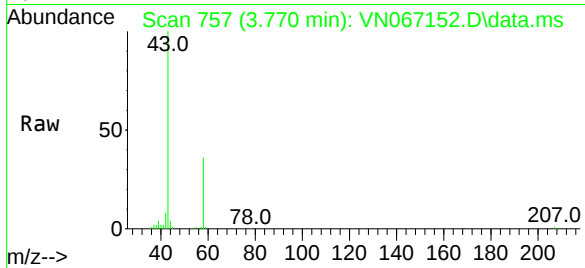




#16
Acetone
Concen: 56.84 ug/l
RT: 3.770 min Scan# 757
Delta R.T. 0.006 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

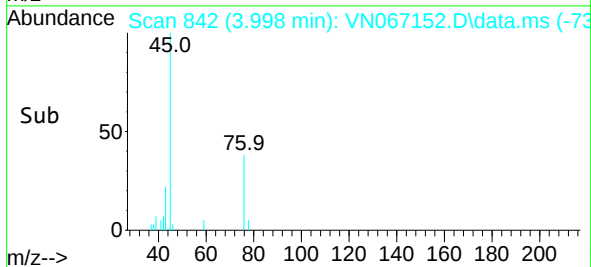
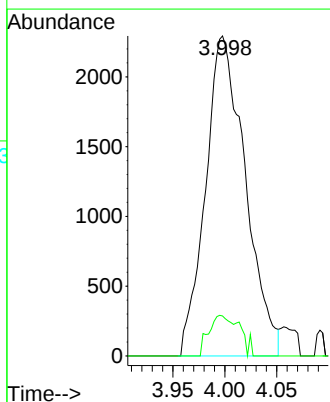
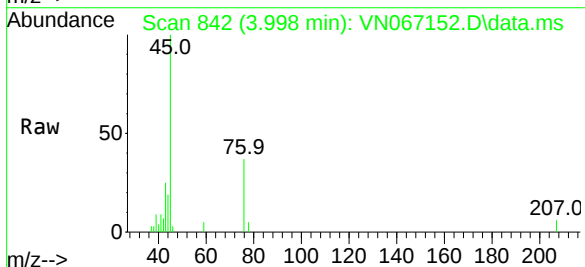
Instrument :
MSVOA_N
ClientSampled :

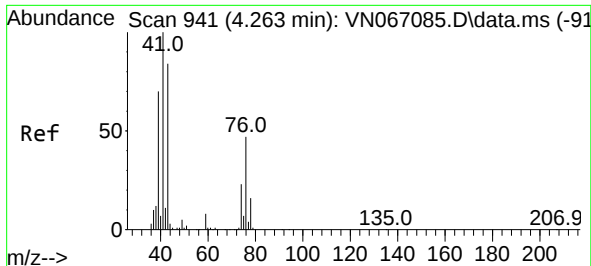
Tgt Ion: 43 Resp: 124802
Ion Ratio Lower Upper
43 100
58 36.6 27.2 40.8



#17
Carbon Disulfide
Concen: 0.37 ug/l
RT: 3.998 min Scan# 842
Delta R.T. -0.002 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

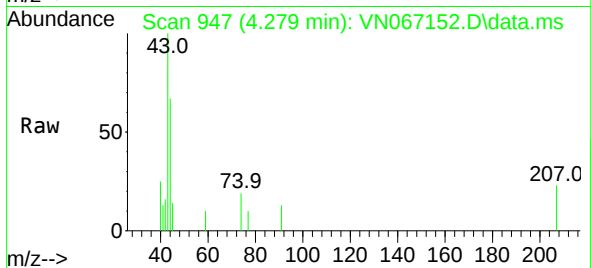
Tgt Ion: 76 Resp: 6115
Ion Ratio Lower Upper
76 100
78 12.5 7.5 11.3#



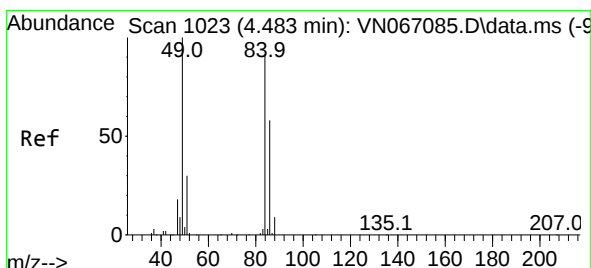
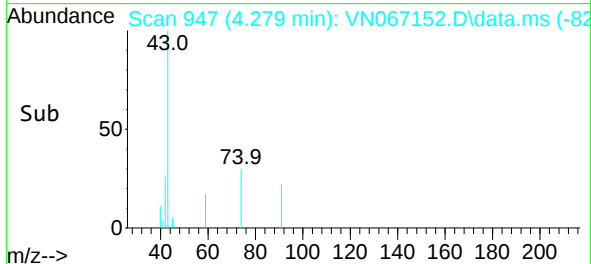
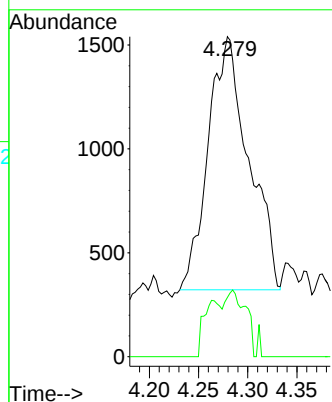


#18
Methyl Acetate
Concen: 0.53 ug/l
RT: 4.279 min Scan# 947
Delta R.T. 0.016 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :

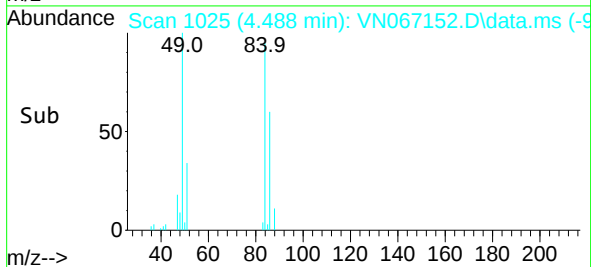
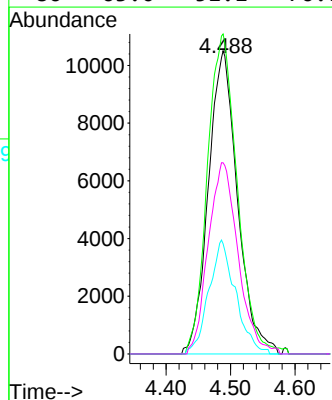
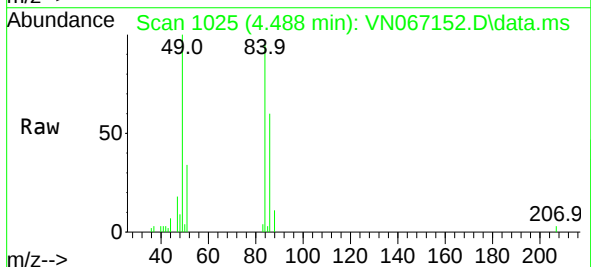


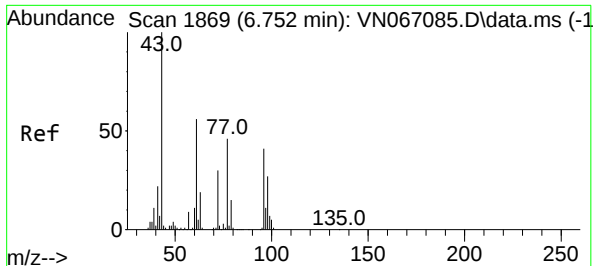
Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
74 13.3 21.4 32.2#



#20
Methylene Chloride
Concen: 4.67 ug/l
RT: 4.488 min Scan# 1025
Delta R.T. 0.005 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 84 Resp: 33026
Ion Ratio Lower Upper
84 100
49 105.5 88.3 132.5
51 36.4 26.7 40.1
86 63.0 51.1 76.7

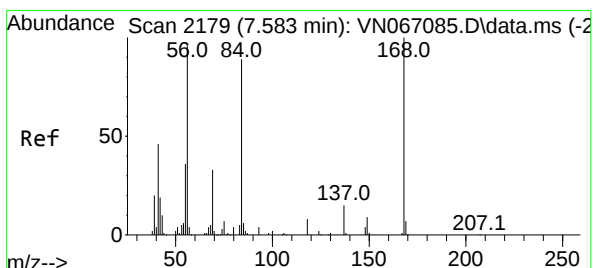
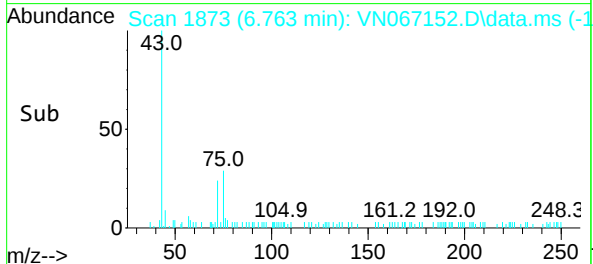
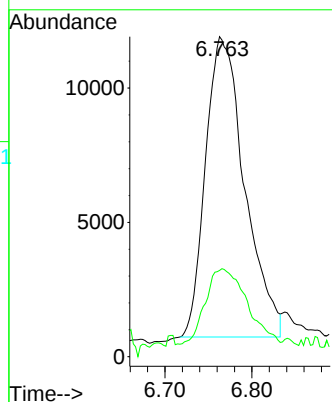
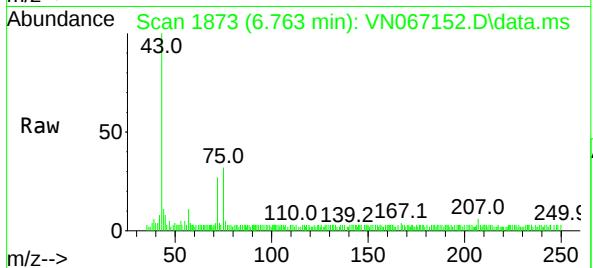




#25
2-Butanone
Concen: 10.19 ug/l
RT: 6.763 min Scan# 1873
Delta R.T. 0.011 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

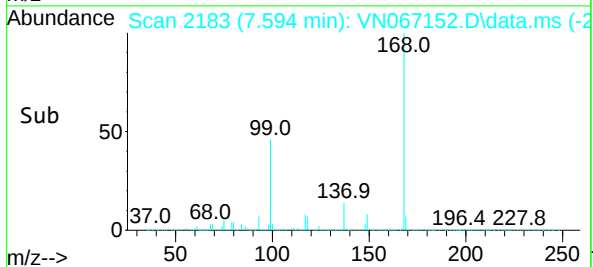
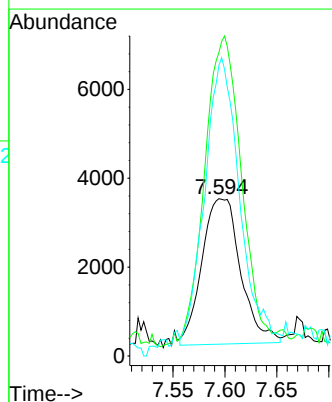
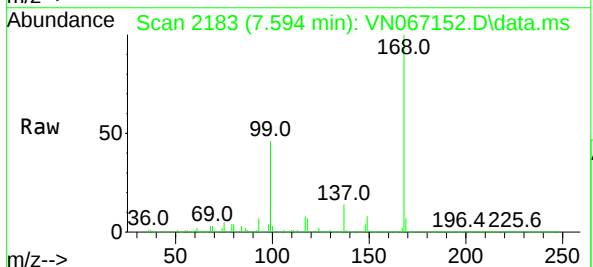
Instrument :
MSVOA_N
ClientSampled :

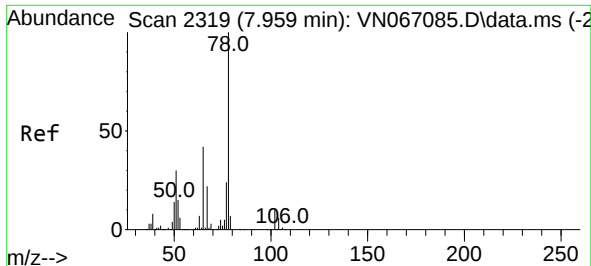
Tgt Ion: 43 Resp: 34885
Ion Ratio Lower Upper
43 100
72 24.6 24.4 36.6



#31
Cyclohexane
Concen: 0.87 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. 0.011 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 56 Resp: 8502
Ion Ratio Lower Upper
56 100
69 204.9 28.0 42.0#
84 196.1 74.2 111.2#

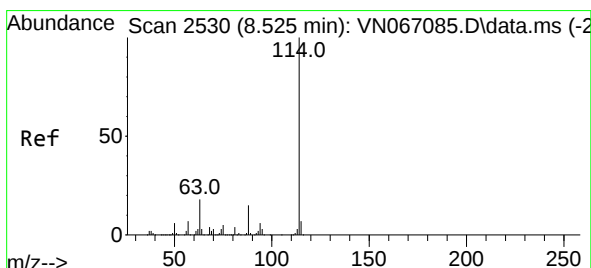
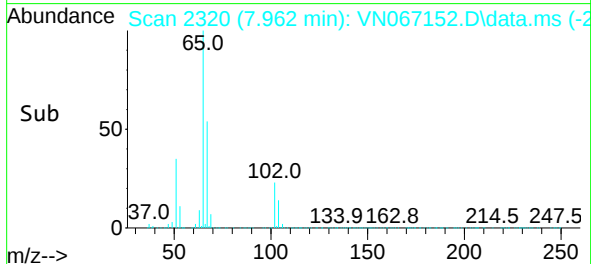
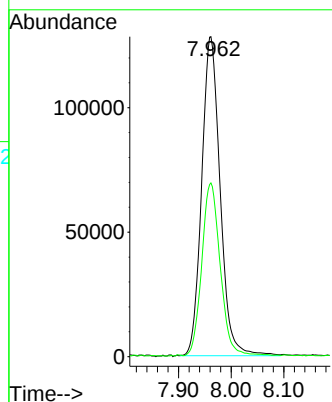
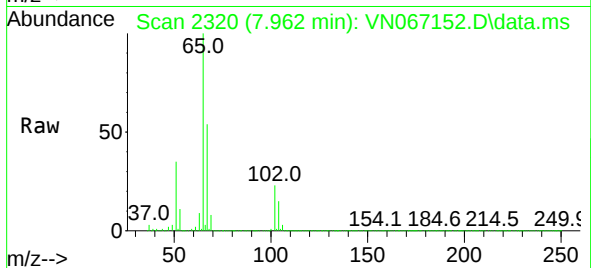




#33
 1,2-Dichloroethane-d4
 Concen: 44.15 ug/l
 RT: 7.962 min Scan# 2320
 Delta R.T. 0.003 min
 Lab File: VN067152.D
 Acq: 19 May 2021 15:31

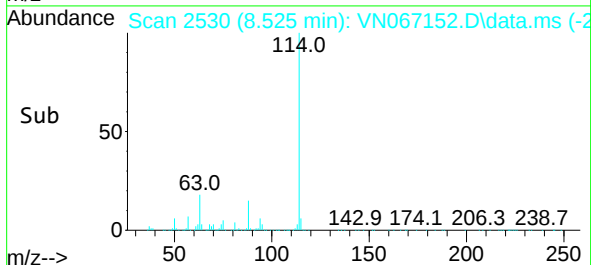
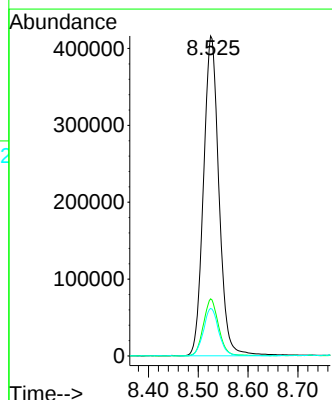
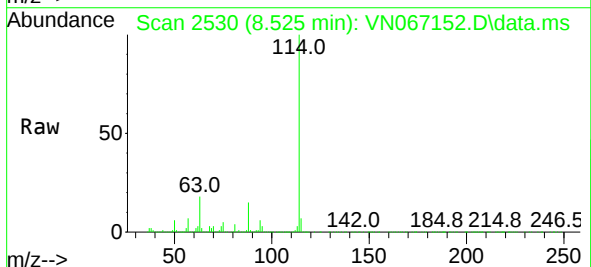
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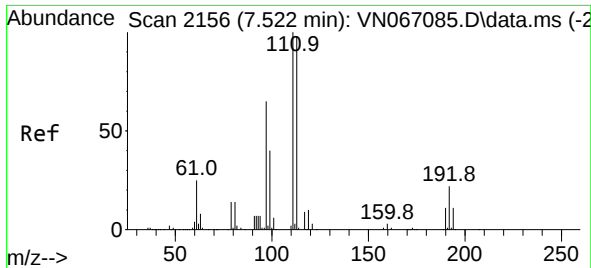
Tgt Ion: 65 Resp: 311927
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.525 min Scan# 2530
 Delta R.T. -0.000 min
 Lab File: VN067152.D
 Acq: 19 May 2021 15:31

Tgt Ion: 114 Resp: 897361
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.8
 88 14.8 0.0 30.4

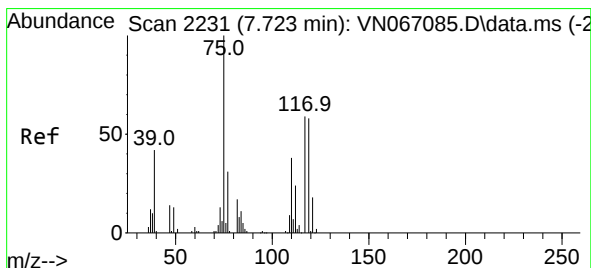
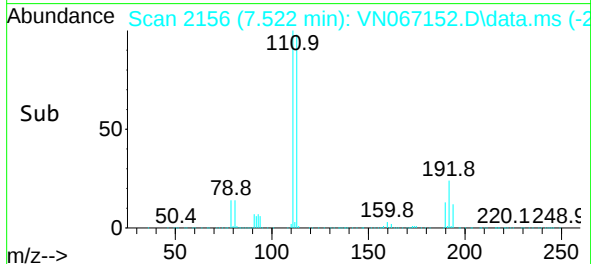
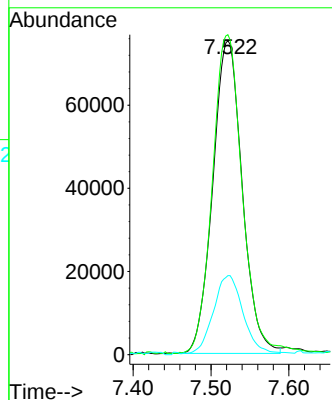
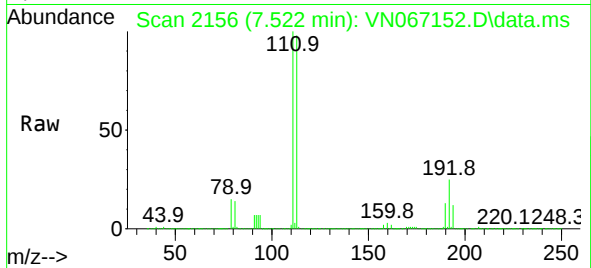




#35
Dibromofluoromethane
Concen: 33.49 ug/l
RT: 7.522 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

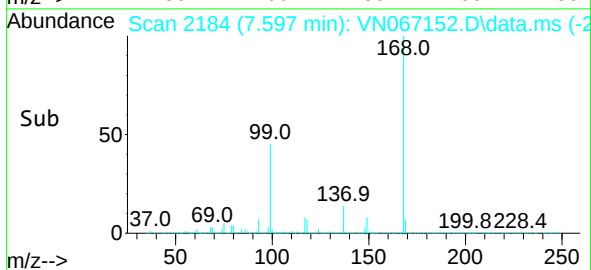
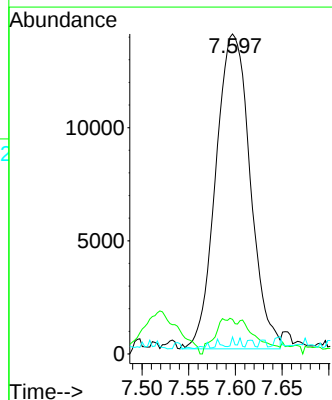
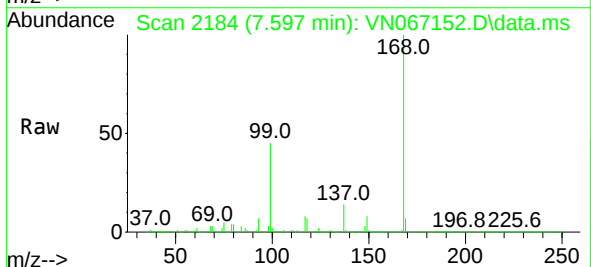
Instrument :
MSVOA_N
ClientSampleId :

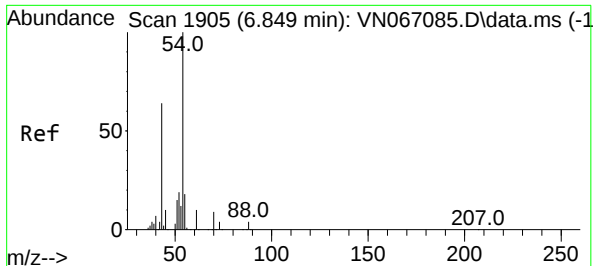
Tgt Ion:113 Resp: 197353
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 24.8 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 75 Resp: 35585
Ion Ratio Lower Upper
75 100
110 7.1 19.1 57.3#
77 0.3 24.8 37.2#





#37

Ethyl Acetate

Concen: 4.83 ug/l

RT: 6.763 min Scan# 1873

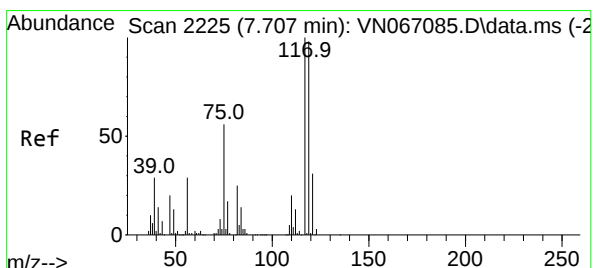
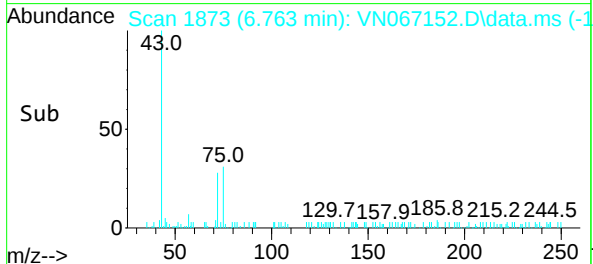
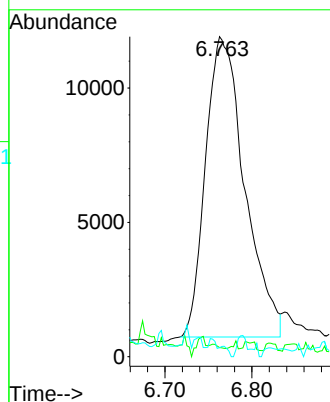
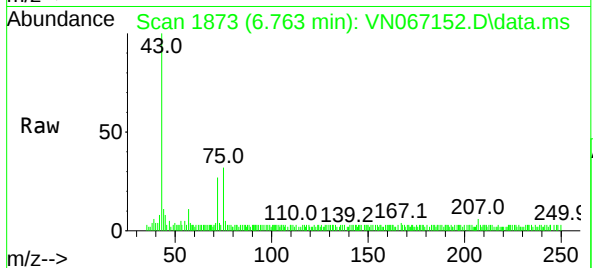
Delta R.T. -0.086 min

Lab File: VN067152.D

Acq: 19 May 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	34885
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.4#
70	0.4	9.2	13.8#



#38

Carbon Tetrachloride

Concen: 5.97 ug/l

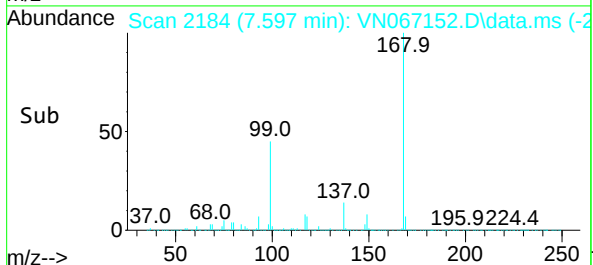
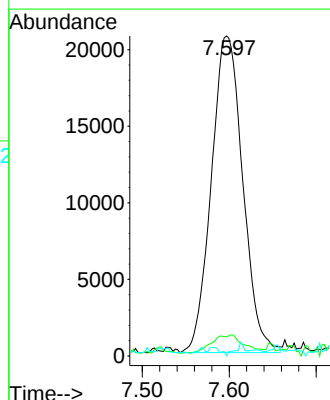
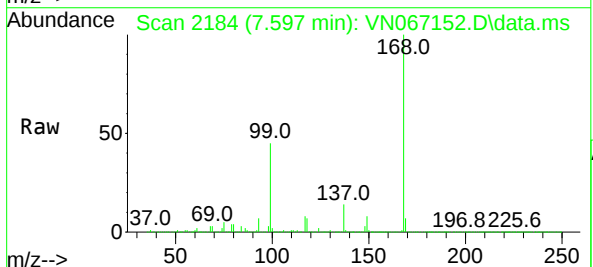
RT: 7.597 min Scan# 2184

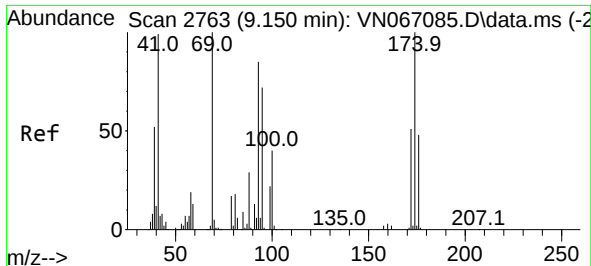
Delta R.T. -0.110 min

Lab File: VN067152.D

Acq: 19 May 2021 15:31

Tgt Ion:	117	Resp:	52004
Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.2	117.2#
121	0.6	24.7	37.1#

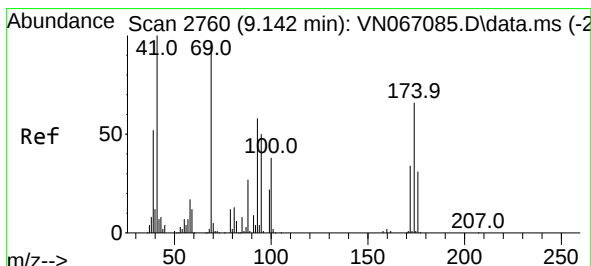
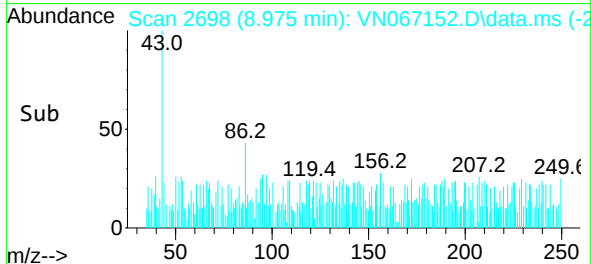
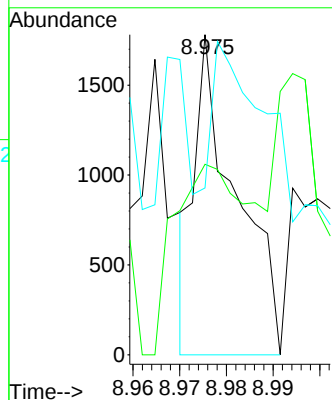
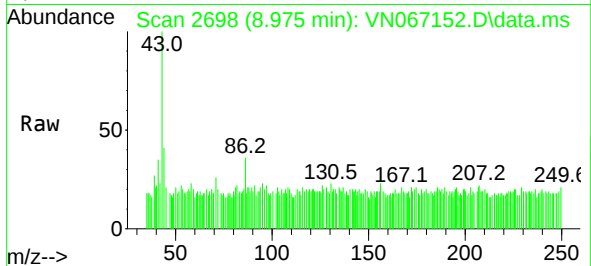




#46
Dibromomethane
Concen: 0.25 ug/l
RT: 8.975 min Scan# 2698
Delta R.T. -0.175 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

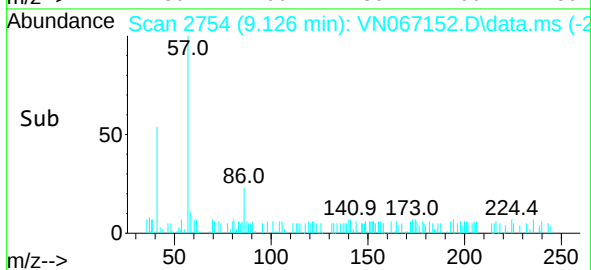
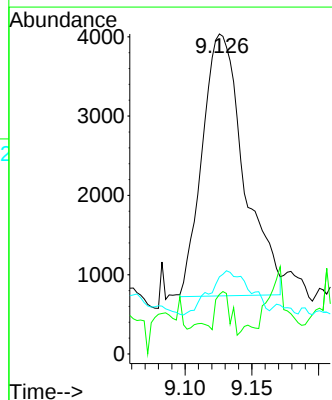
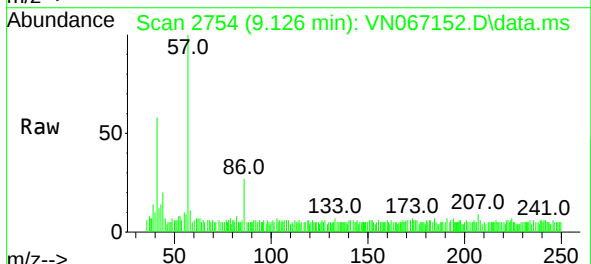
Instrument :
MSVOA_N
ClientSampleId :

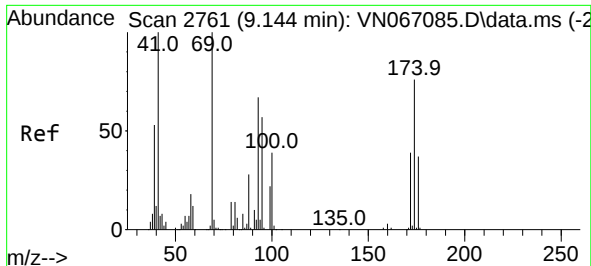
Tgt Ion: 93 Resp: 1099
Ion Ratio Lower Upper
93 100
95 92.5 67.8 101.6
174 134.8 93.4 140.0



#48
Methyl methacrylate
Concen: 3.14 ug/l
RT: 9.126 min Scan# 2754
Delta R.T. -0.016 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 41 Resp: 7162
Ion Ratio Lower Upper
41 100
69 5.0 80.5 120.7#
39 13.4 41.4 62.0#

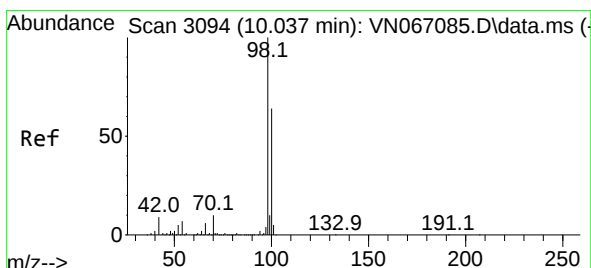
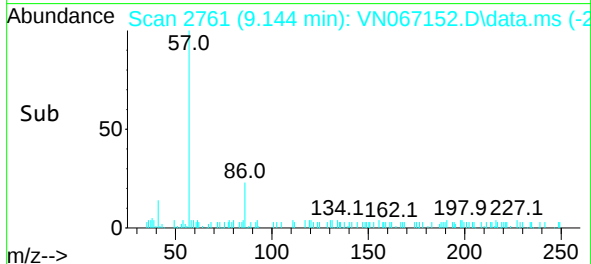
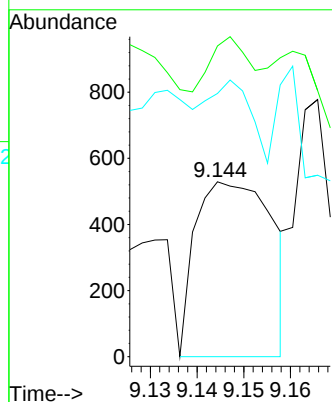
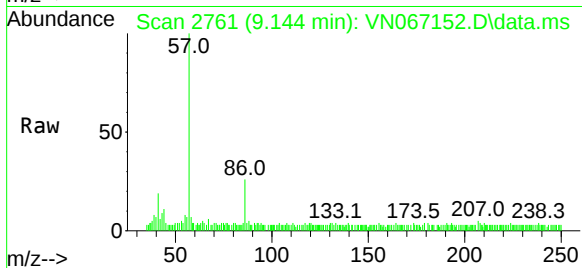




#49
1,4-Dioxane
Concen: 7.04 ug/l
RT: 9.144 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

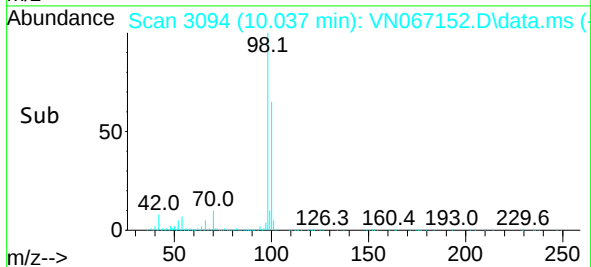
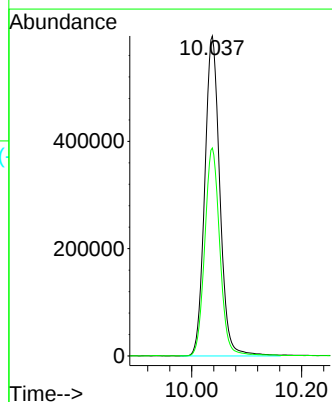
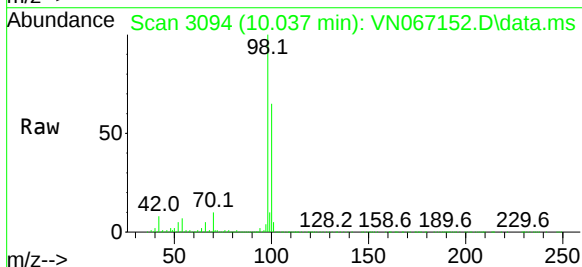
Instrument :
MSVOA_N
ClientSampled :

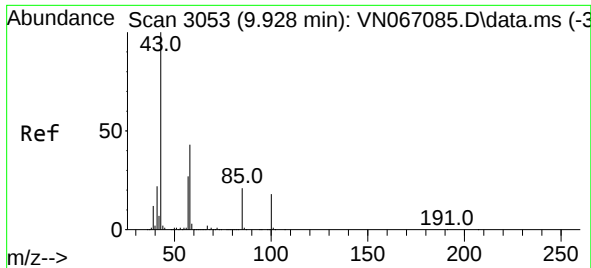
Tgt Ion: 88 Resp: 601
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 0.0 50.8 76.2#



#50
Toluene-d8
Concen: 50.90 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 98 Resp: 1136796
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8

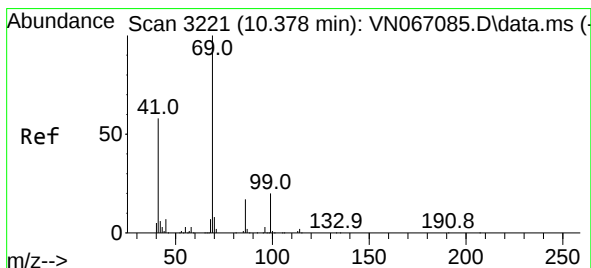
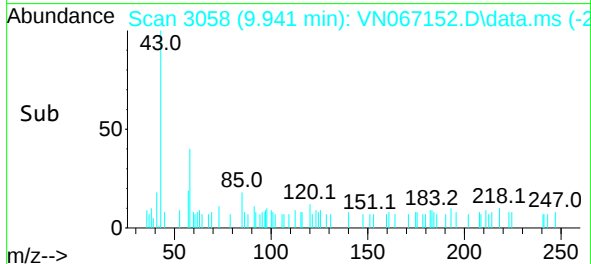
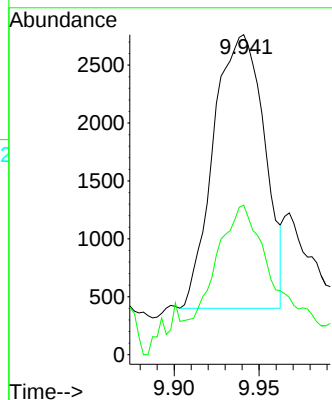
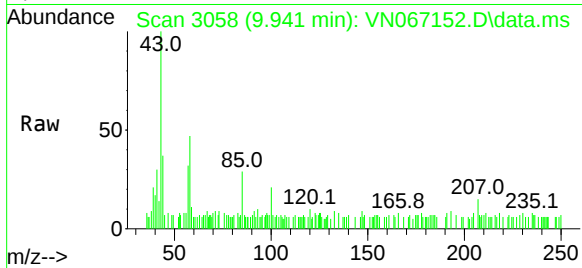




#51
4-Methyl-2-Pentanone
Concen: 6.07 ug/l
RT: 9.941 min Scan# 3058
Delta R.T. 0.013 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

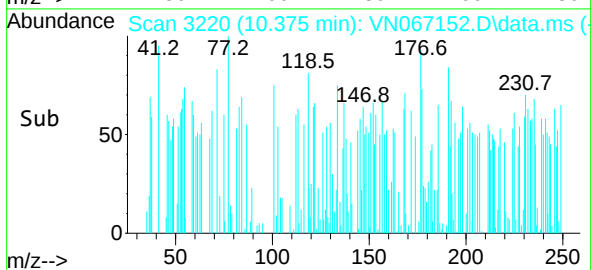
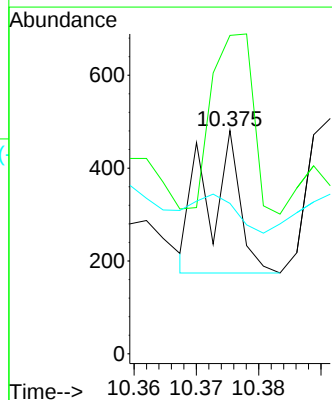
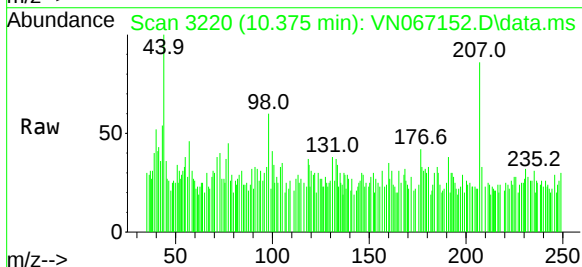
Instrument :
MSVOA_N
ClientSampled :

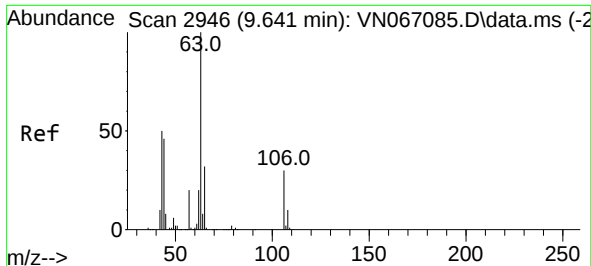
Tgt Ion: 43 Resp: 4927
Ion Ratio Lower Upper
43 100
58 57.2 34.5 51.7#



#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.375 min Scan# 3220
Delta R.T. -0.003 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 69 Resp: 116
Ion Ratio Lower Upper
69 100
41 153.4 45.5 68.3#
39 0.0 22.9 34.3#

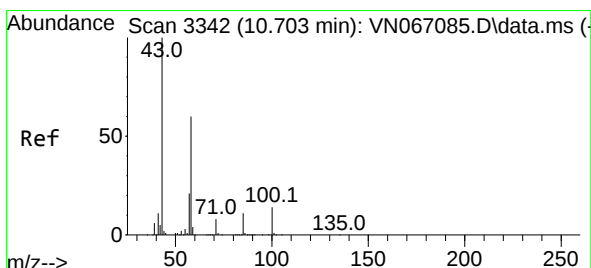
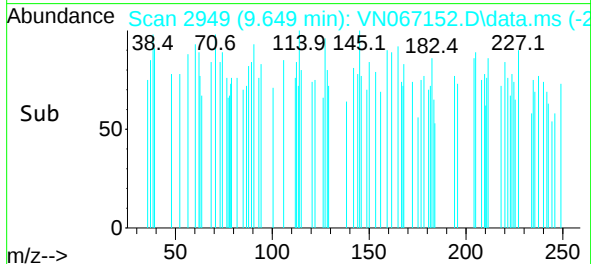
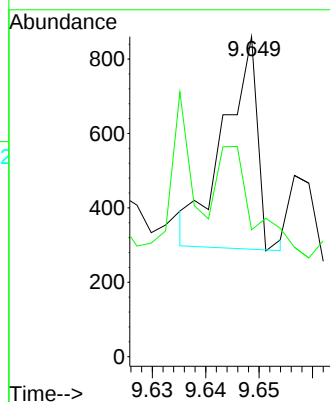
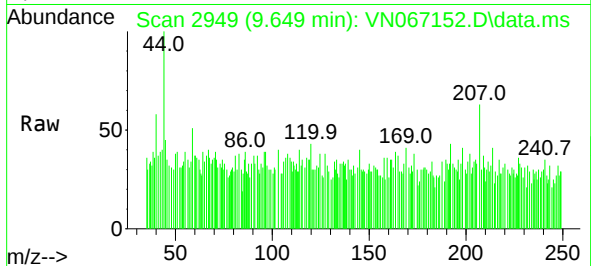




#58
2-Chloroethyl Vinyl ether
Concen: 4.76 ug/l
RT: 9.649 min Scan# 2949
Delta R.T. 0.008 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

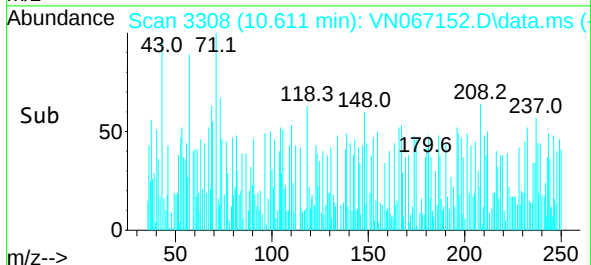
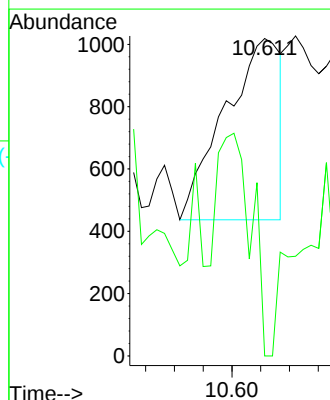
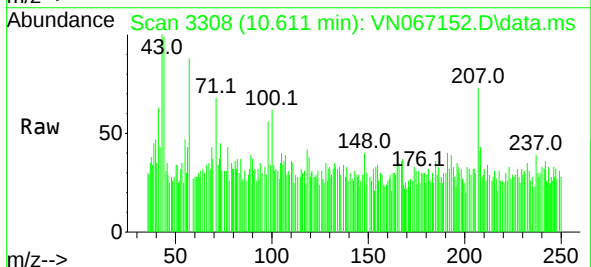
Instrument :
MSVOA_N
ClientSampled :

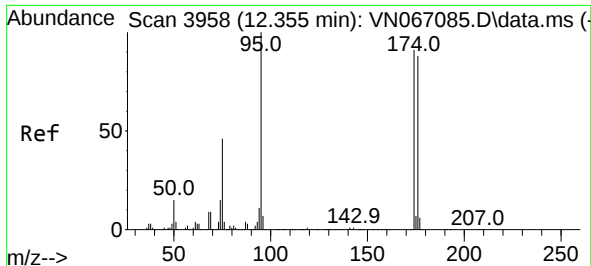
Tgt Ion: 63 Resp: 247
Ion Ratio Lower Upper
63 100
106 57.9 23.9 35.9#



#59
2-Hexanone
Concen: 22.07 ug/l
RT: 10.611 min Scan# 3308
Delta R.T. -0.092 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 79.4 29.8 89.5

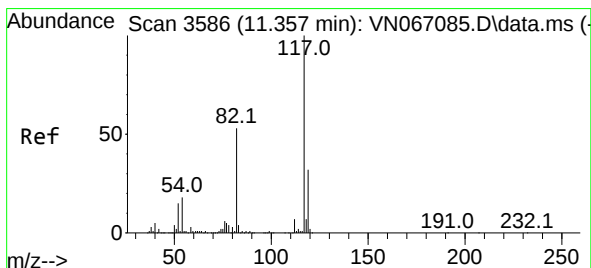
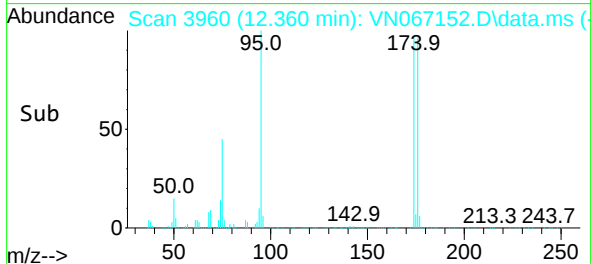
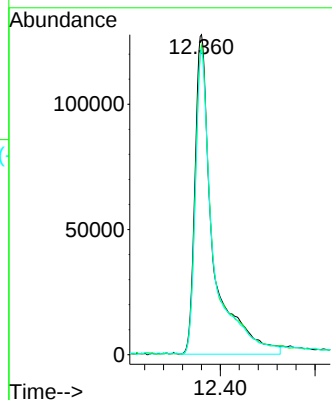
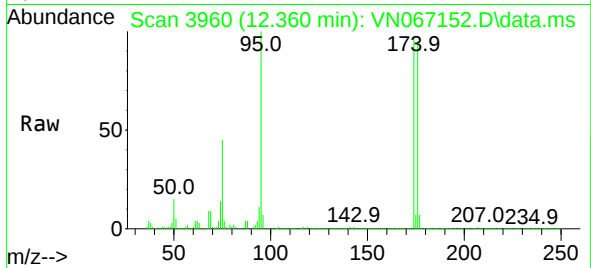




#62
4-Bromofluorobenzene
Concen: 45.12 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

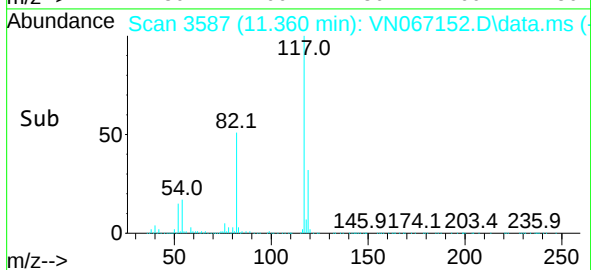
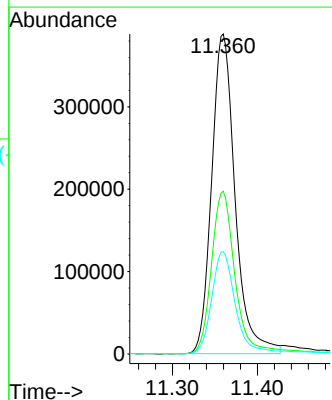
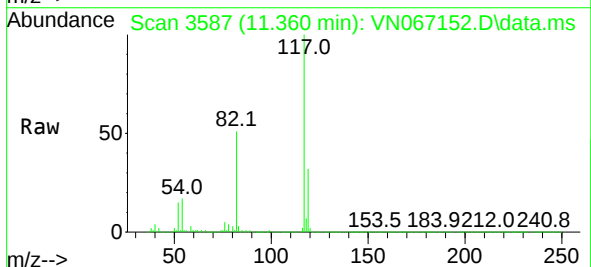
Instrument :
MSVOA_N
ClientSampleId :

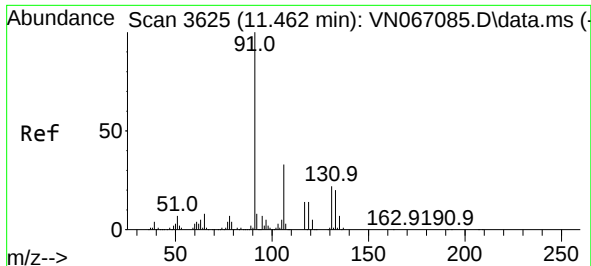
Tgt Ion: 95 Resp: 337498
Ion Ratio Lower Upper
95 100
174 95.0 0.0 182.8
176 94.2 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 117 Resp: 744842
Ion Ratio Lower Upper
117 100
82 50.8 42.2 63.2
119 32.0 25.8 38.6

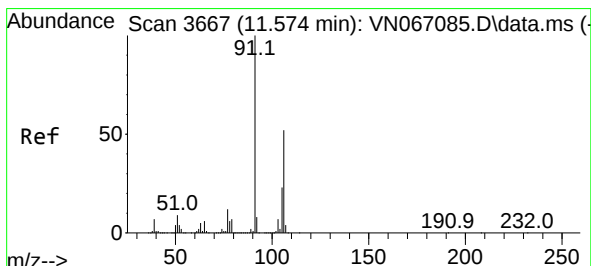
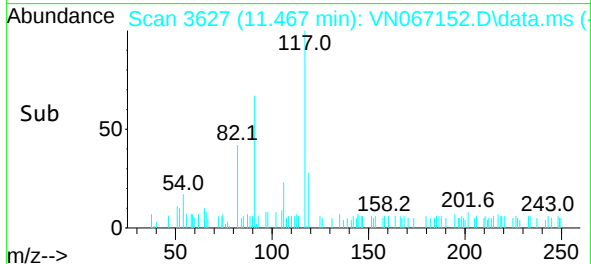
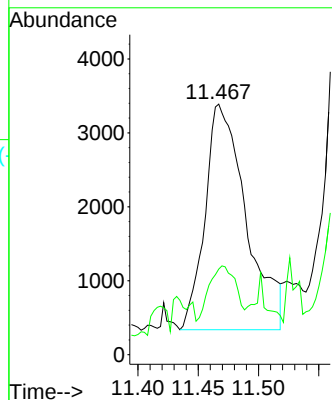
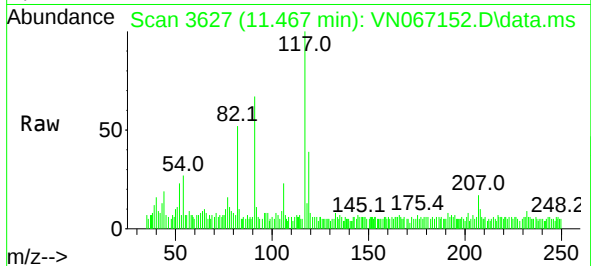




#67
Ethyl Benzene
Concen: 0.26 ug/l
RT: 11.467 min Scan# 3627
Delta R.T. 0.005 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

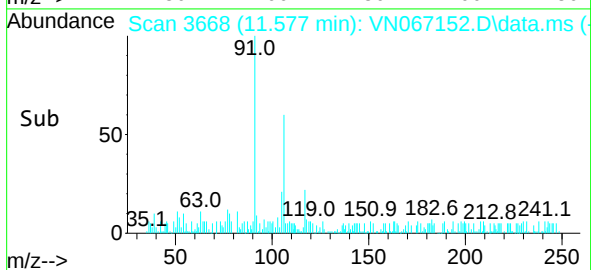
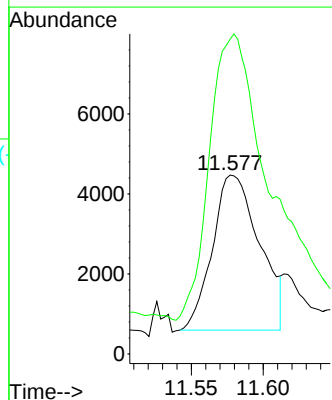
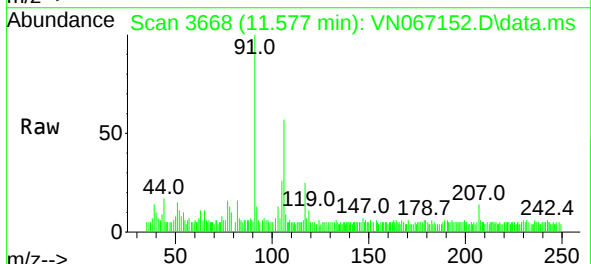
Instrument :
MSVOA_N
ClientSampled :

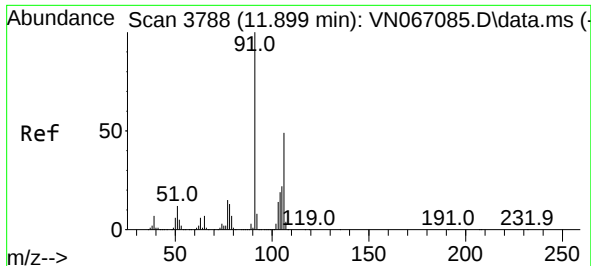
Tgt Ion: 91 Resp: 7231
Ion Ratio Lower Upper
91 100
106 20.5 26.2 39.2#



#68
m/p-Xylenes
Concen: 0.82 ug/l
RT: 11.577 min Scan# 3668
Delta R.T. 0.003 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion:106 Resp: 8839
Ion Ratio Lower Upper
106 100
91 265.7 155.2 232.8#

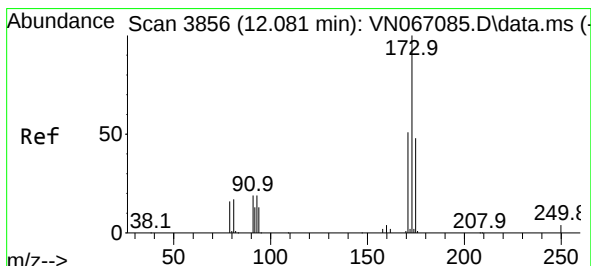
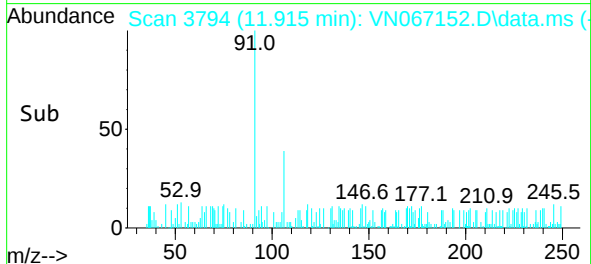
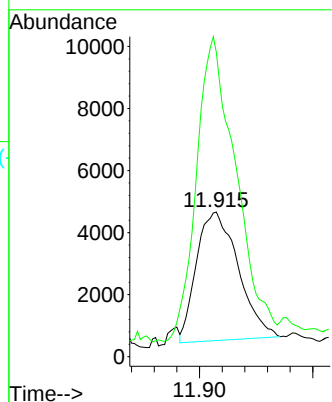
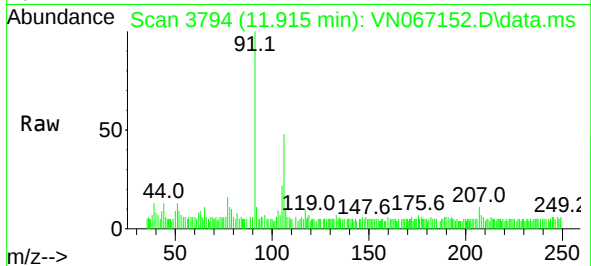




#69
o-Xylene
Concen: 0.98 ug/l
RT: 11.915 min Scan# 3794
Delta R.T. 0.016 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

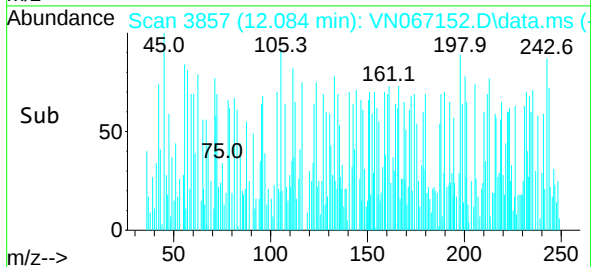
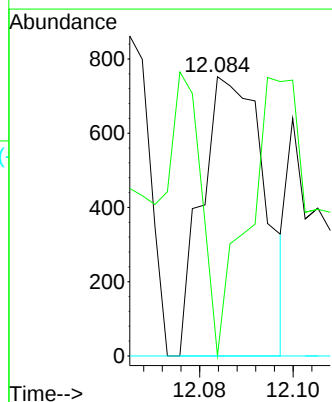
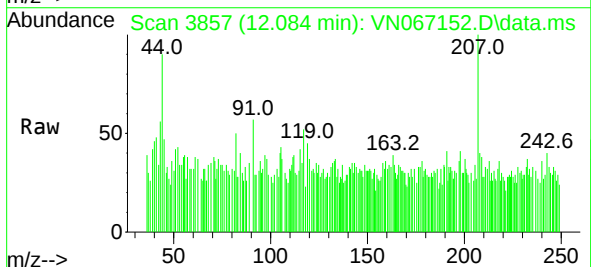
Instrument :
MSVOA_N
ClientSampled :

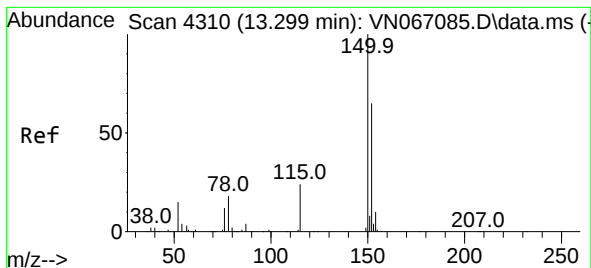
Tgt Ion:106 Resp: 10623
Ion Ratio Lower Upper
106 100
91 225.5 102.3 306.8



#71
Bromoform
Concen: 1.88 ug/l
RT: 12.084 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion:173 Resp: 700
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

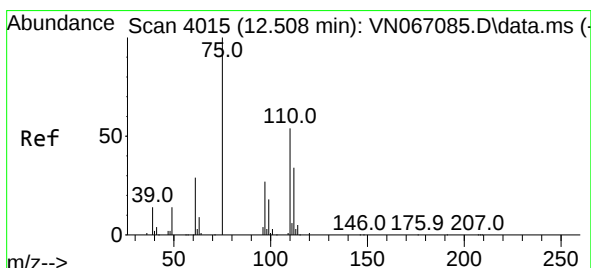
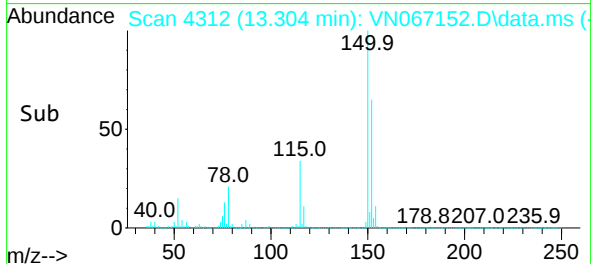
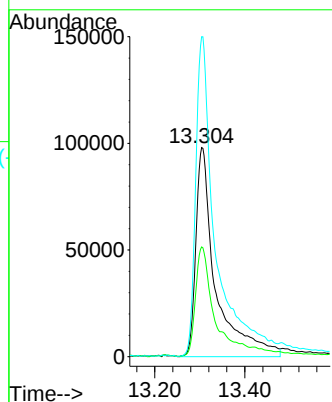
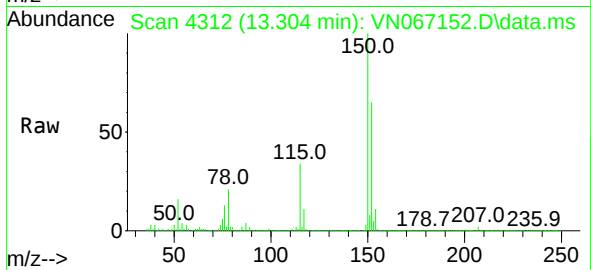




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.304 min Scan# 4312
Delta R.T. 0.005 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

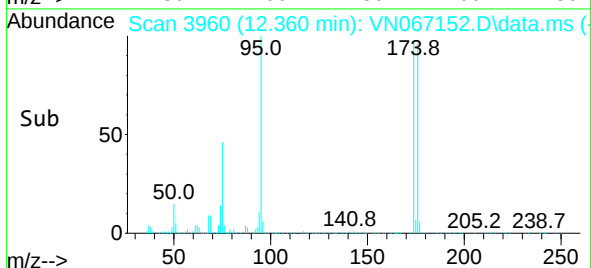
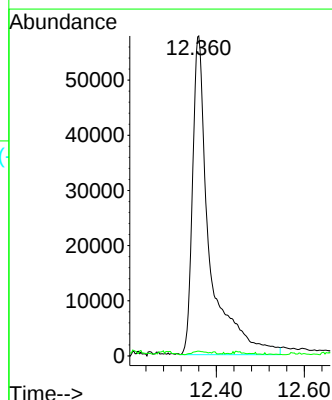
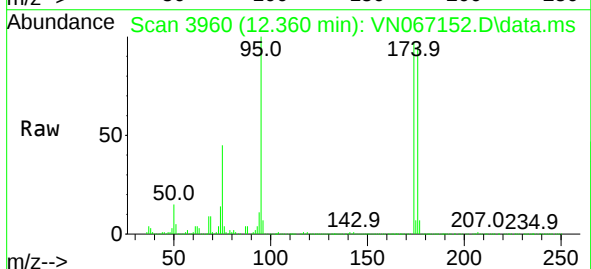
Instrument :
MSVOA_N
ClientSampled :

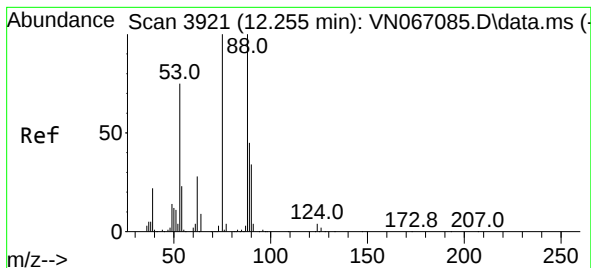
Tgt Ion:152 Resp: 300945
Ion Ratio Lower Upper
152 100
115 49.1 27.0 80.8
150 150.9 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 24.35 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. -0.148 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 75 Resp: 154638
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

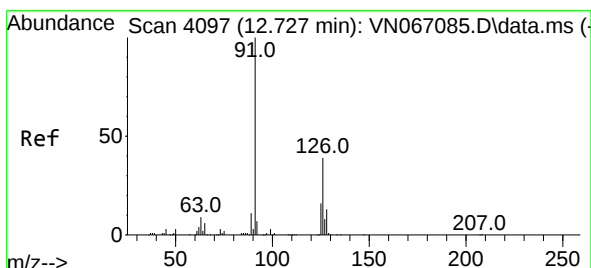
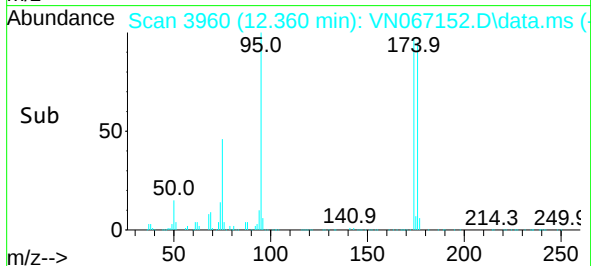
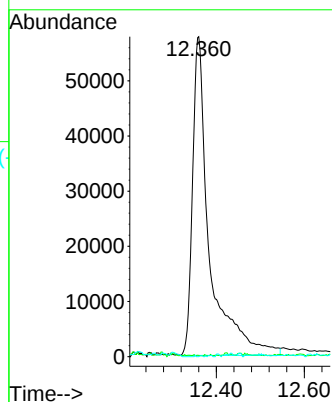
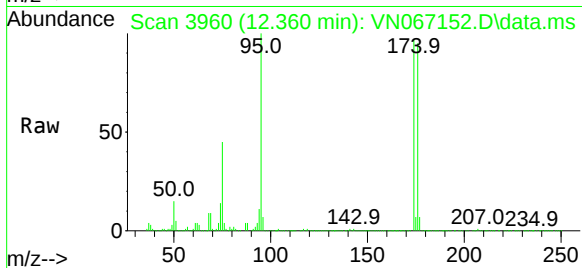




#81
trans-1,4-Dichloro-2-butene
Concen: 72.73 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

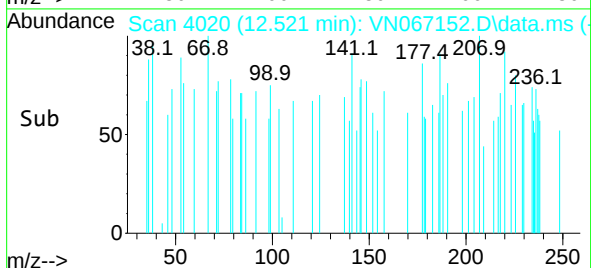
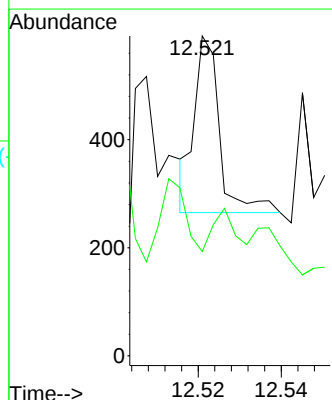
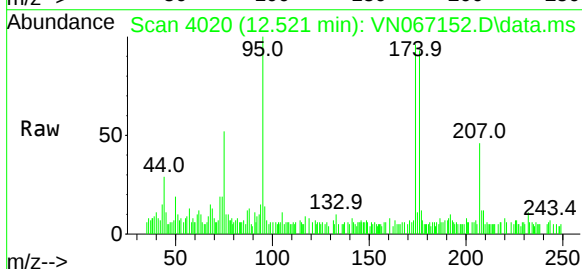
Instrument :
MSVOA_N
ClientSampleId :

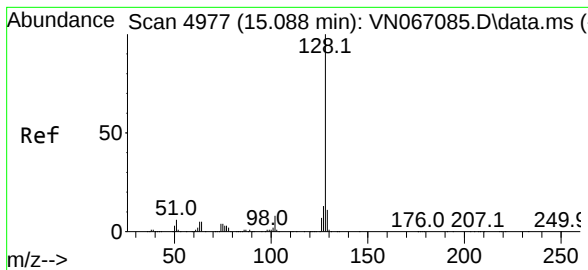
Tgt Ion: 75 Resp: 154638
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.1 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.521 min Scan# 4020
Delta R.T. -0.206 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Tgt Ion: 91 Resp: 137
Ion Ratio Lower Upper
91 100
126 20.4 17.7 53.1





#95
Naphthalene
Concen: 3.26 ug/l
RT: 15.090 min Scan# 4978
Delta R.T. 0.002 min
Lab File: VN067152.D
Acq: 19 May 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 76
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 31.6 8.6 13.0#

