

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067137.D
 Acq On : 18 May 2021 19:15
 Operator : JC/MD
 Sample : M2366-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:52:33 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)

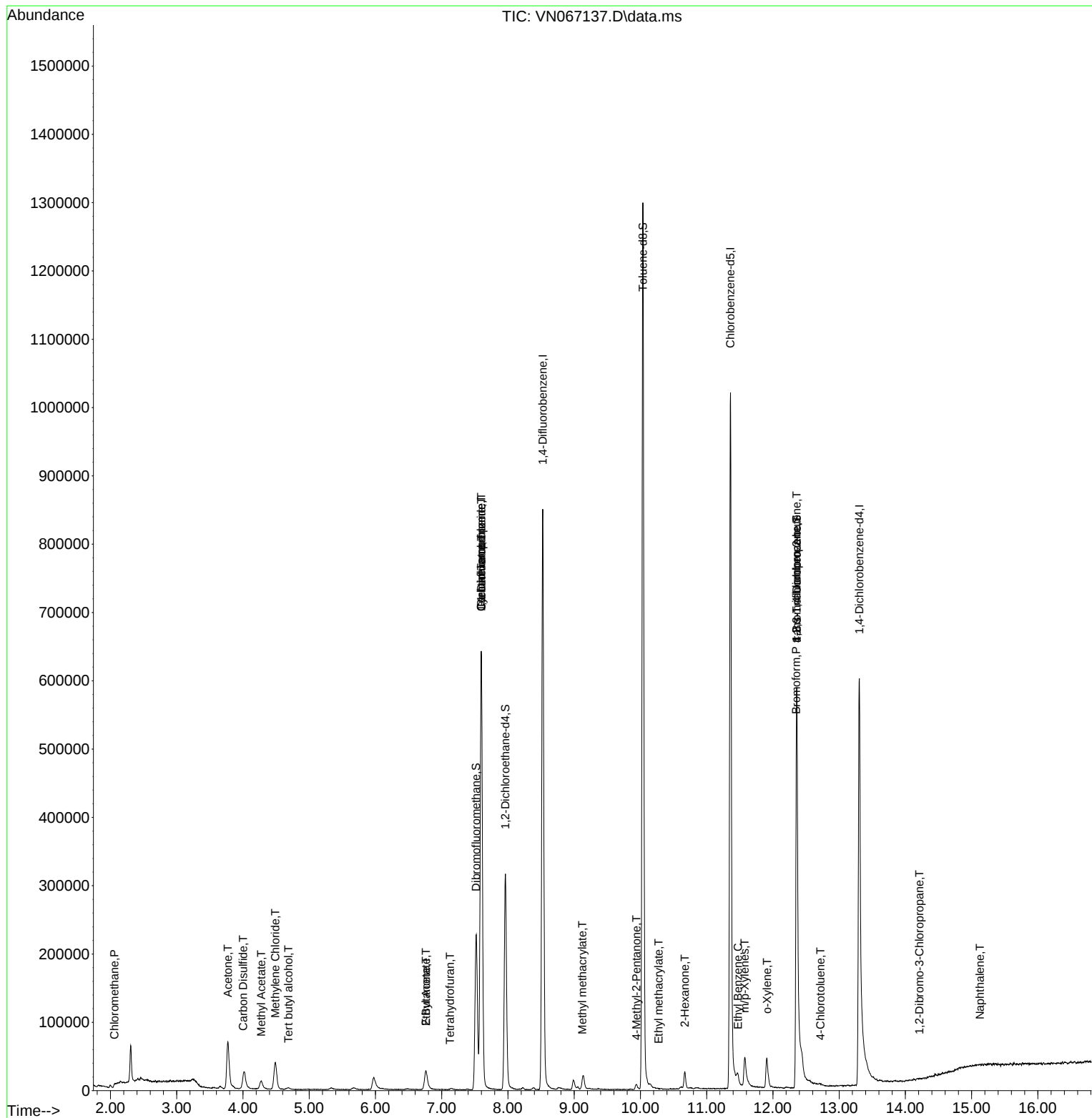
Internal Standards						
1) Pentafluorobenzene	7.597	168	613723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	846210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	723022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	273955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	276985	41.78	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.56%		
35) Dibromofluoromethane	7.519	113	185242	33.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	66.68%#		
50) Toluene-d8	10.037	98	987115	46.87	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.74%		
62) 4-Bromofluorobenzene	12.360	95	293790	41.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.30%		
Target Compounds						Qvalue
3) Chloromethane	2.059	50	1854	0.27	ug/l	98
11) Tert butyl alcohol	4.687	59	1232	1.11	ug/l #	93
13) Acrolein	3.566	56	752	Below Cal	#	73
16) Acetone	3.772	43	118830	57.67	ug/l	98
17) Carbon Disulfide	4.003	76	14225	0.92	ug/l	96
18) Methyl Acetate	4.277	43	23969	3.91	ug/l	97
20) Methylene Chloride	4.488	84	33458	5.03	ug/l	93
25) 2-Butanone	6.763	43	42499	13.23	ug/l	95
29) Tetrahydrofuran	7.128	42	783	0.39	ug/l #	45
31) Cyclohexane	7.600	56	8558	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.600	75	34436	4.46	ug/l #	48
37) Ethyl Acetate	6.763	43	42499	6.23	ug/l #	65
38) Carbon Tetrachloride	7.600	117	49302	6.00	ug/l #	15
48) Methyl methacrylate	9.123	41	9508	3.62	ug/l #	20
51) 4-Methyl-2-Pentanone	9.941	43	6540	6.34	ug/l	99
56) Ethyl methacrylate	10.276	69	56	1.95	ug/l #	13
59) 2-Hexanone	10.670	43	20262	26.13	ug/l #	21
67) Ethyl Benzene	11.472	91	13015	0.48	ug/l	98
68) m/p-Xylenes	11.574	106	20438	1.95	ug/l	100
69) o-Xylene	11.909	106	18875	1.79	ug/l	92
71) Bromoform	12.352	173	106	1.78	ug/l #	1
76) 1,2,3-Trichloropropane	12.360	75	133460	23.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.360	75	133460	69.17	ug/l #	15
82) 4-Chlorotoluene	12.717	91	253	1.20	ug/l #	39
92) 1,2-Dibromo-3-Chloropr...	14.211	75	261	0.26	ug/l #	1
95) Naphthalene	15.125	128	1558	3.38	ug/l #	74

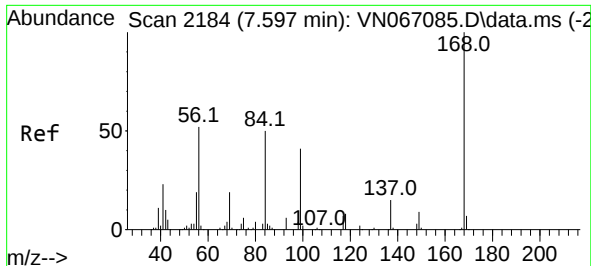
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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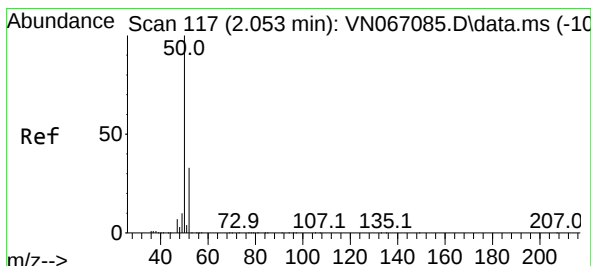
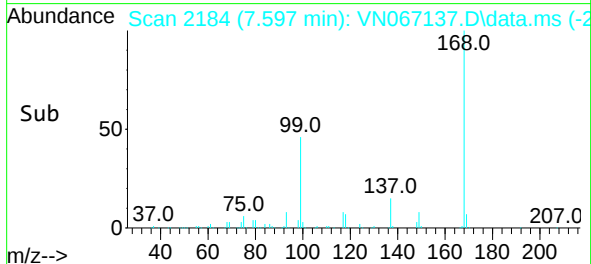
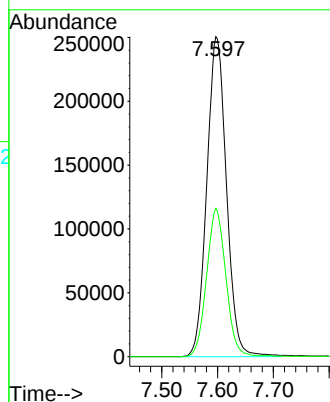
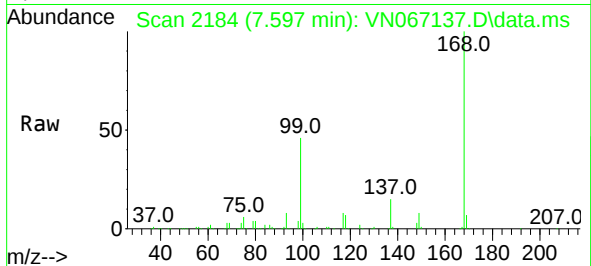




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

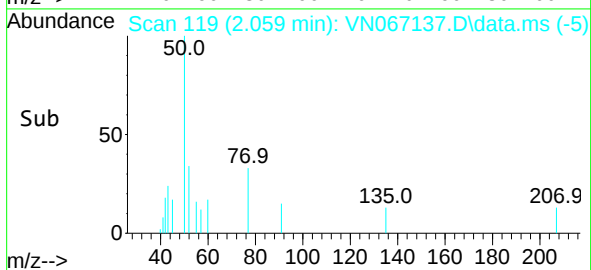
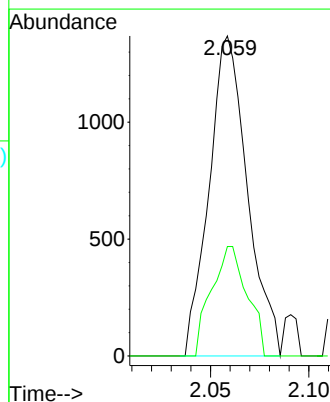
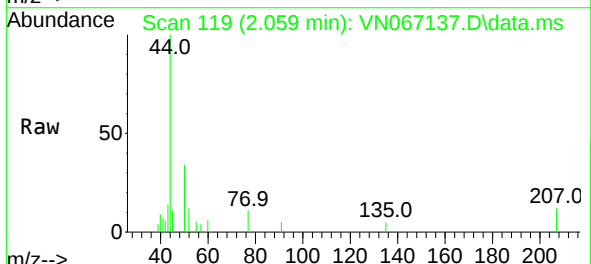
Instrument :
MSVOA_N
ClientSampled :

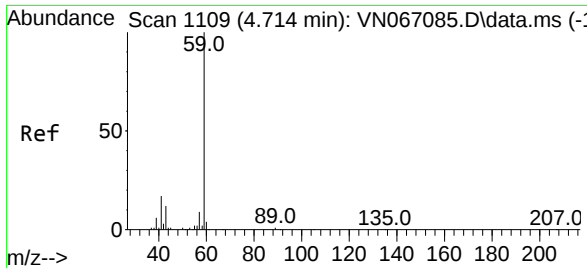
Tgt Ion:168 Resp: 613723
Ion Ratio Lower Upper
168 100
99 46.3 38.5 57.7



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.059 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 50 Resp: 1854
Ion Ratio Lower Upper
50 100
52 34.2 26.5 39.7

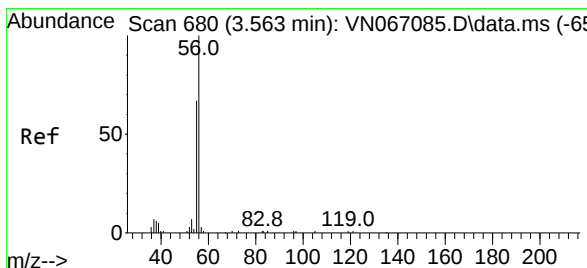
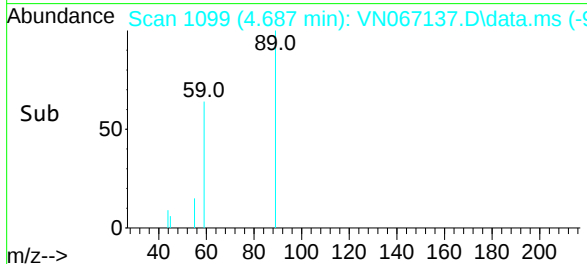
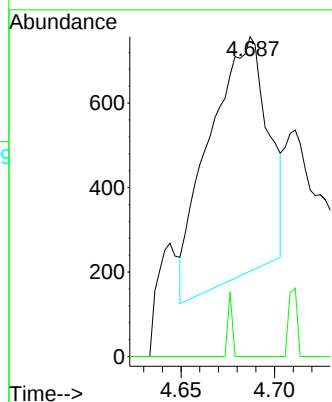
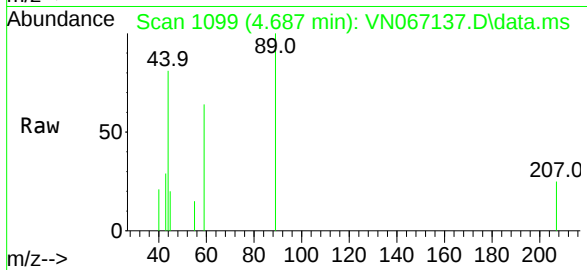




#11
Tert butyl alcohol
Concen: 1.11 ug/l
RT: 4.687 min Scan# 1099
Delta R.T. -0.027 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

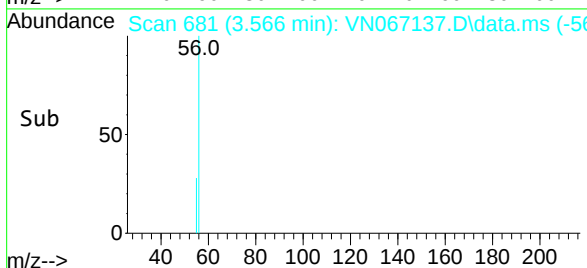
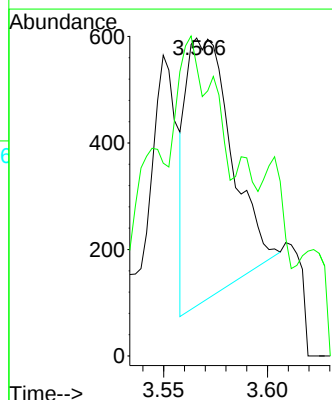
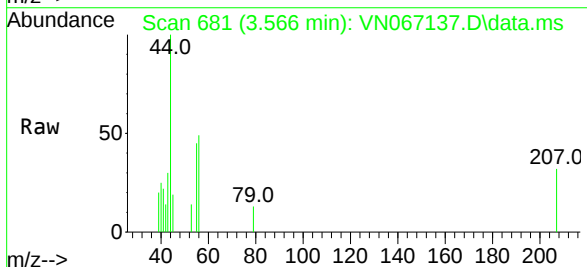
Instrument :
MSVOA_N
ClientSampleId :

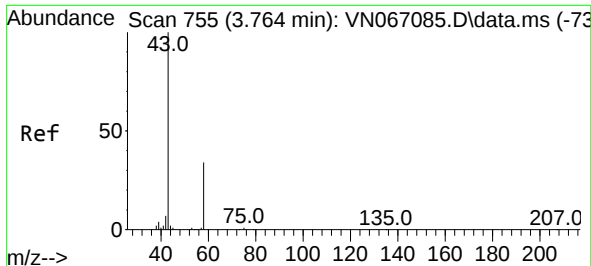
Tgt Ion: 59 Resp: 1232
Ion Ratio Lower Upper
59 100
57 1.9 3.5 5.3#



#13
Acrolein
Concen: Below Cal
RT: 3.566 min Scan# 681
Delta R.T. 0.003 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 56 Resp: 752
Ion Ratio Lower Upper
56 100
55 45.2 53.8 80.6#

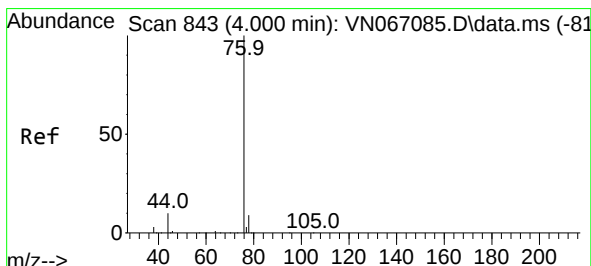
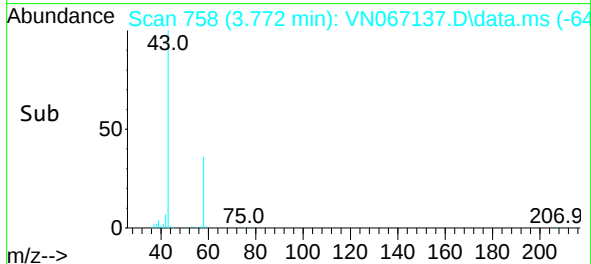
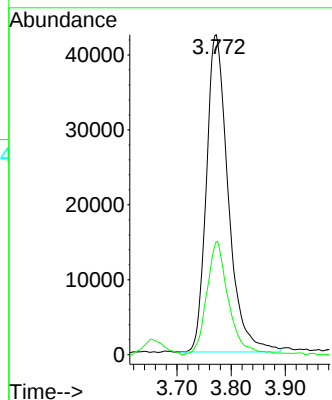
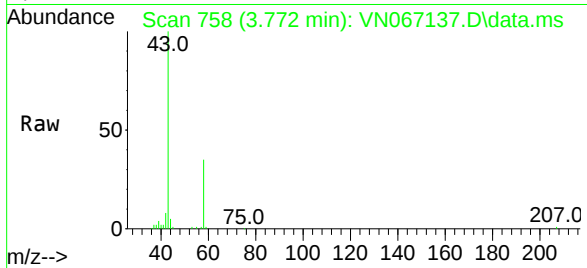




#16
Acetone
Concen: 57.67 ug/l
RT: 3.772 min Scan# 758
Delta R.T. 0.008 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

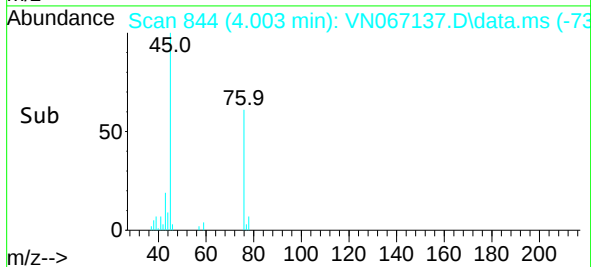
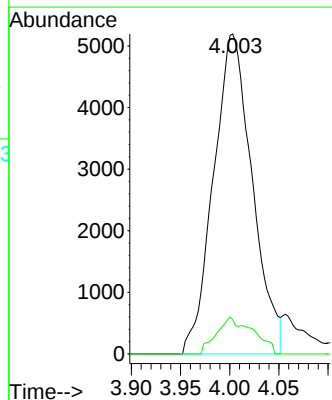
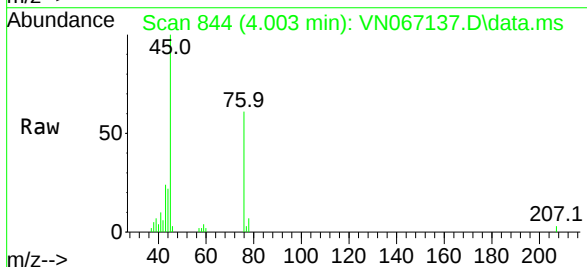
Instrument :
MSVOA_N
ClientSampled :

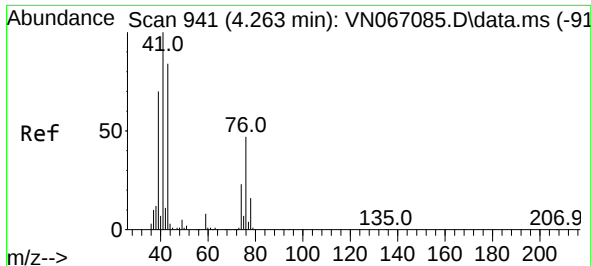
Tgt Ion: 43 Resp: 118830
Ion Ratio Lower Upper
43 100
58 35.1 27.2 40.8



#17
Carbon Disulfide
Concen: 0.92 ug/l
RT: 4.003 min Scan# 844
Delta R.T. 0.003 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 76 Resp: 14225
Ion Ratio Lower Upper
76 100
78 10.7 7.5 11.3





#18

Methyl Acetate

Concen: 3.91 ug/l

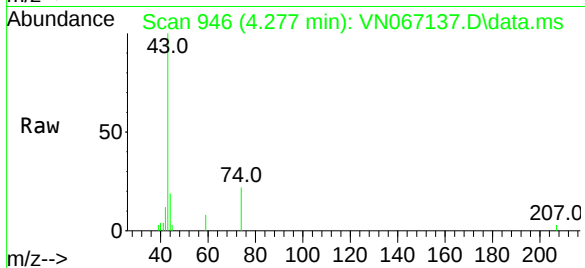
RT: 4.277 min Scan# 946

Delta R.T. 0.014 min

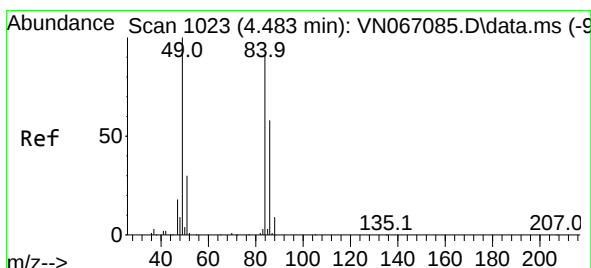
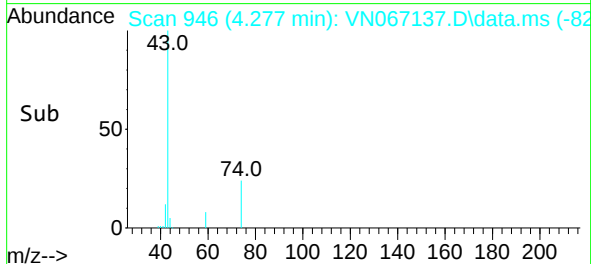
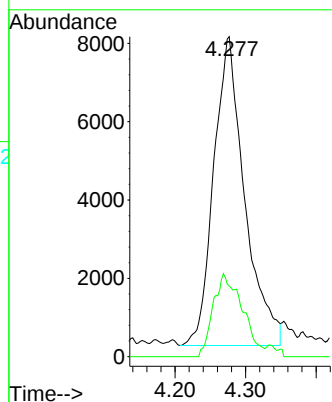
Lab File: VN067137.D

Acq: 18 May 2021 19:15

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	23969
Ion Ratio	Lower	Upper	
43	100		
74	25.4	21.4	32.2



#20

Methylene Chloride

Concen: 5.03 ug/l

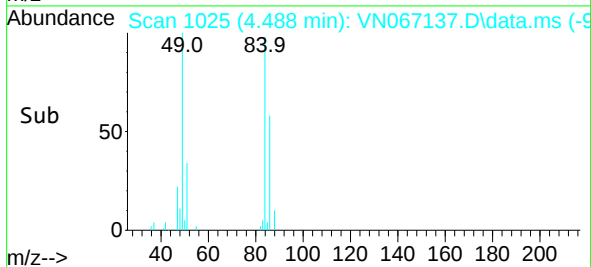
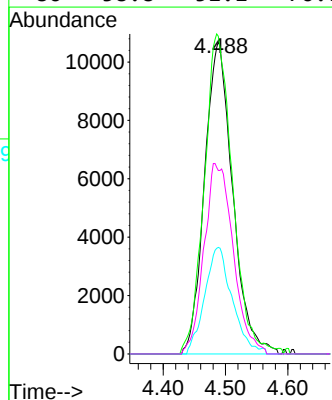
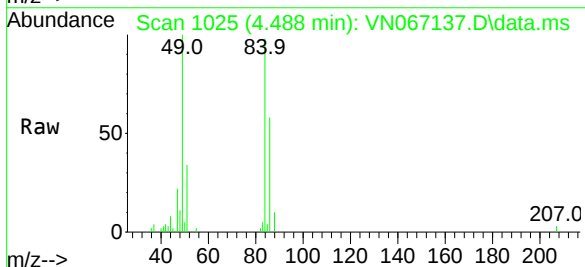
RT: 4.488 min Scan# 1025

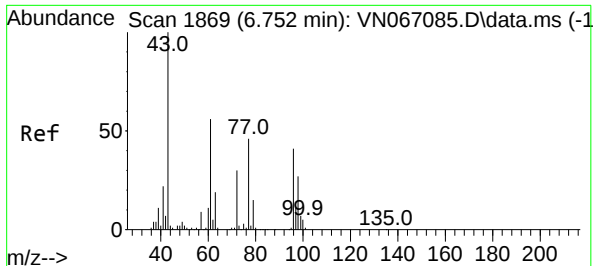
Delta R.T. 0.005 min

Lab File: VN067137.D

Acq: 18 May 2021 19:15

Tgt Ion:	84	Resp:	33458
Ion Ratio	Lower	Upper	
84	100		
49	101.8	88.3	132.5
51	34.1	26.7	40.1
86	58.8	51.1	76.7

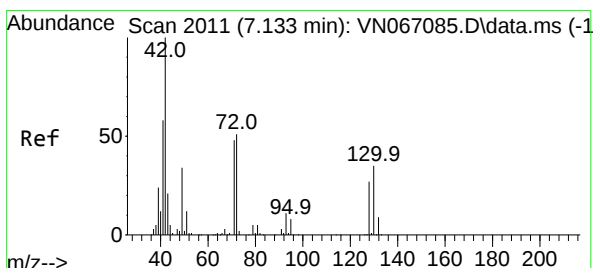
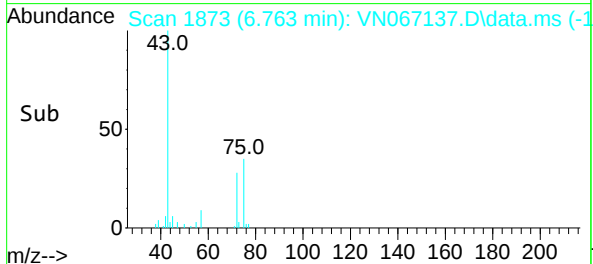
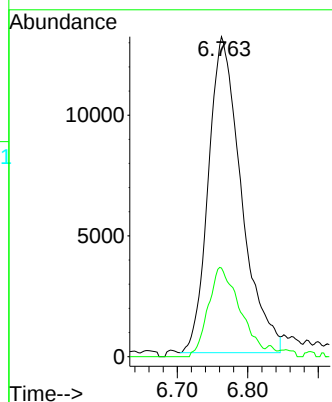
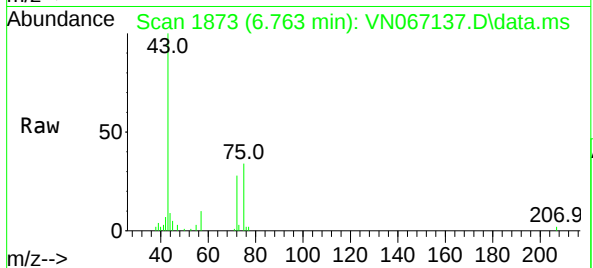




#25
2-Butanone
Concen: 13.23 ug/l
RT: 6.763 min Scan# 1873
Delta R.T. 0.011 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

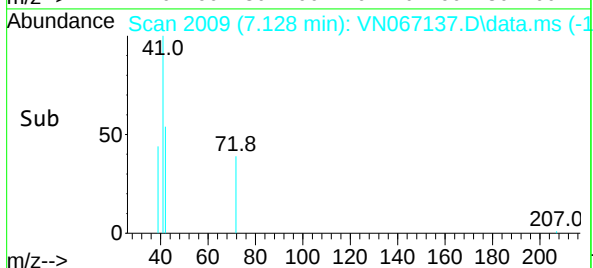
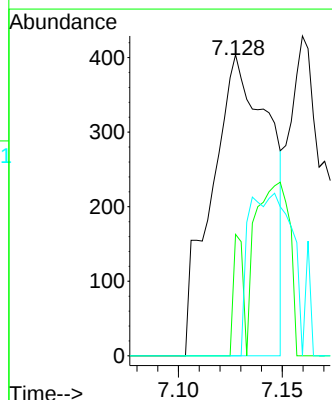
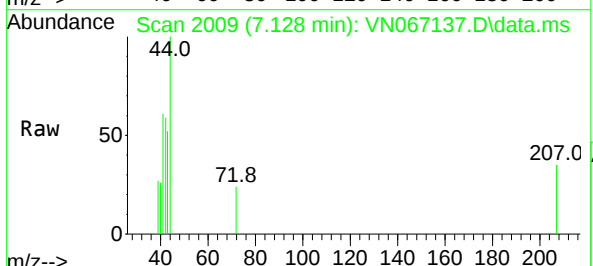
Instrument :
MSVOA_N
ClientSampled :

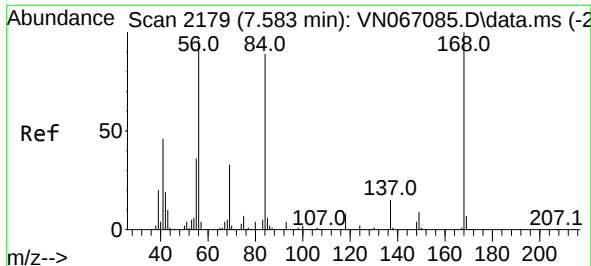
Tgt Ion: 43 Resp: 42499
Ion Ratio Lower Upper
43 100
72 28.0 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.39 ug/l
RT: 7.128 min Scan# 2009
Delta R.T. -0.005 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 42 Resp: 783
Ion Ratio Lower Upper
42 100
72 6.5 40.1 60.1#
71 16.3 37.9 56.9#

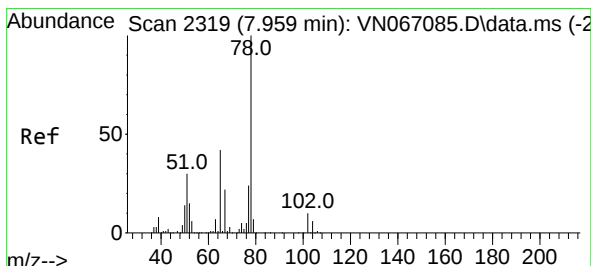
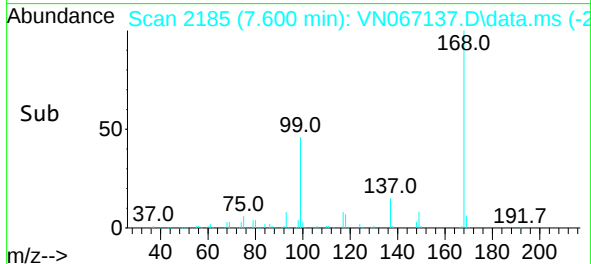
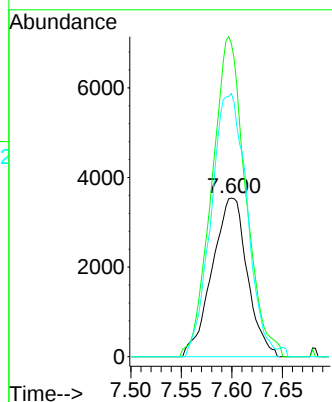
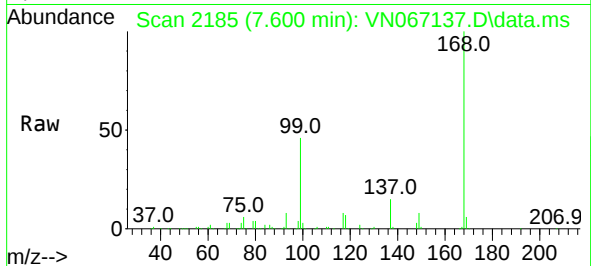




#31
Cyclohexane
Concen: 0.94 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.017 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

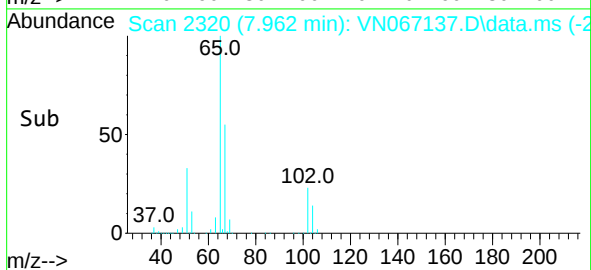
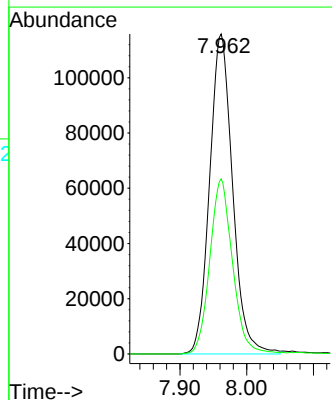
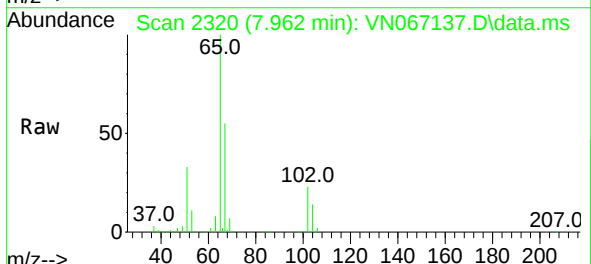
Instrument :
MSVOA_N
ClientSampled :

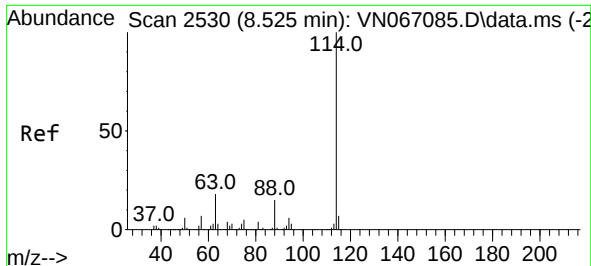
Tgt Ion: 56 Resp: 8558
Ion Ratio Lower Upper
56 100
69 197.2 28.0 42.0#
84 166.0 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 41.78 ug/l
RT: 7.962 min Scan# 2320
Delta R.T. 0.003 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 65 Resp: 276985
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.4

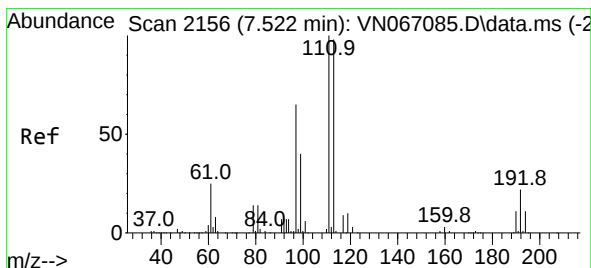
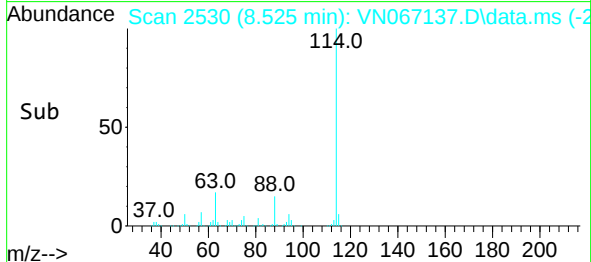
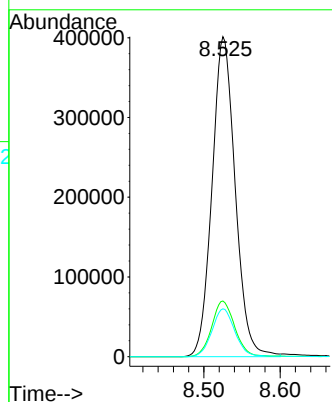
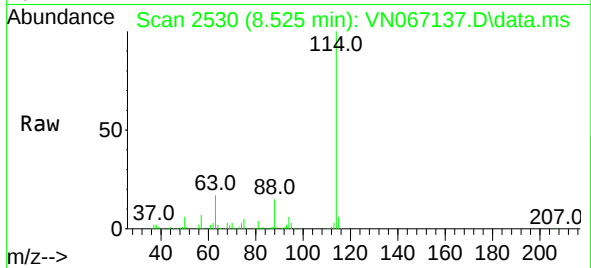




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

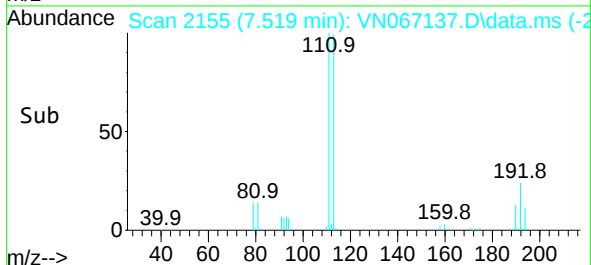
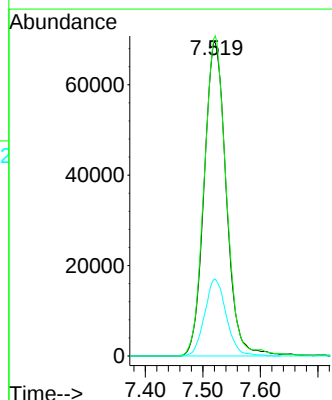
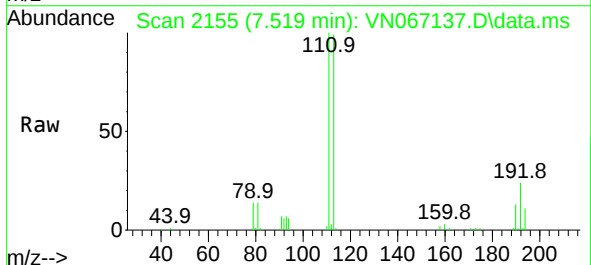
Instrument :
MSVOA_N
ClientSampleId :

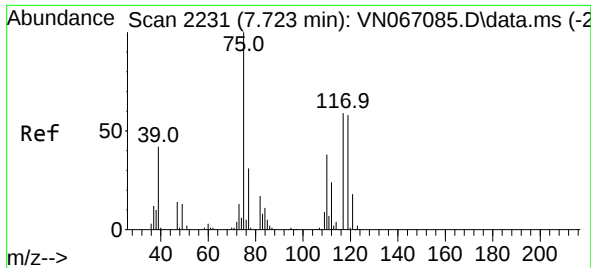
Tgt Ion:114 Resp: 846210
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.8
88 15.0 0.0 30.4



#35
Dibromofluoromethane
Concen: 33.34 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion:113 Resp: 185242
Ion Ratio Lower Upper
113 100
111 100.6 82.6 124.0
192 24.1 18.2 27.4

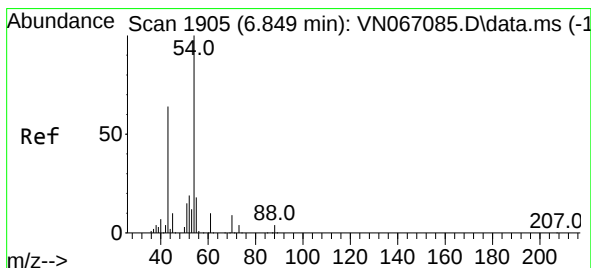
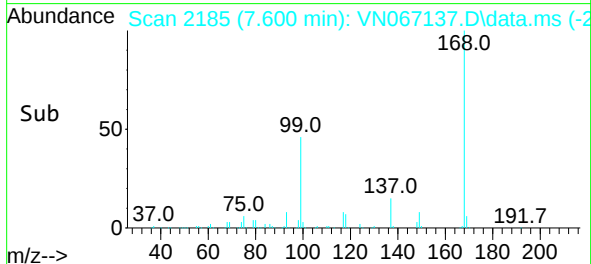
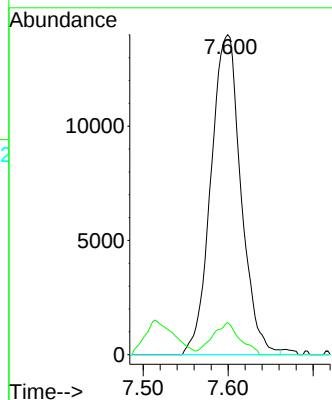
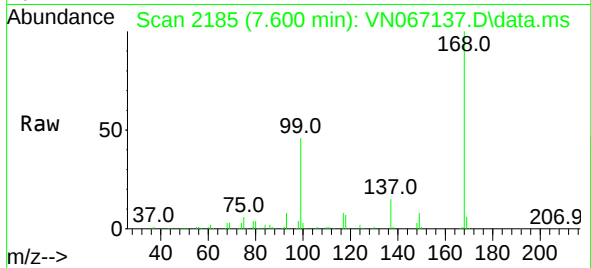




#36
1,1-Dichloropropene
Concen: 4.46 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. -0.123 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

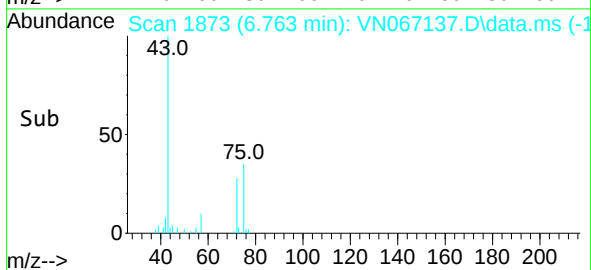
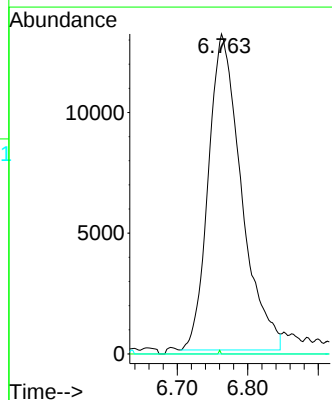
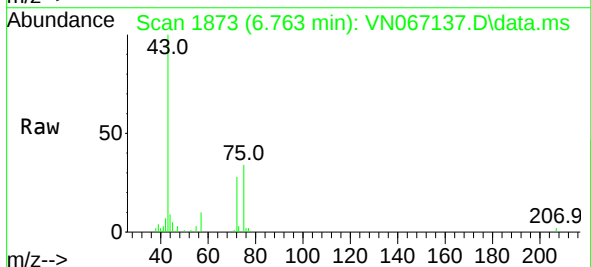
Instrument :
MSVOA_N
ClientSampled :

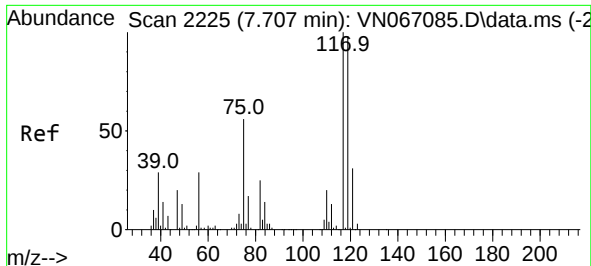
Tgt Ion: 75 Resp: 34436
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 6.23 ug/l
RT: 6.763 min Scan# 1873
Delta R.T. -0.086 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

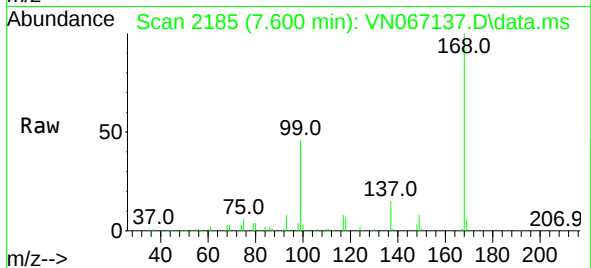
Tgt Ion: 43 Resp: 42499
Ion Ratio Lower Upper
43 100
61 0.1 13.0 19.4#
70 0.0 9.2 13.8#



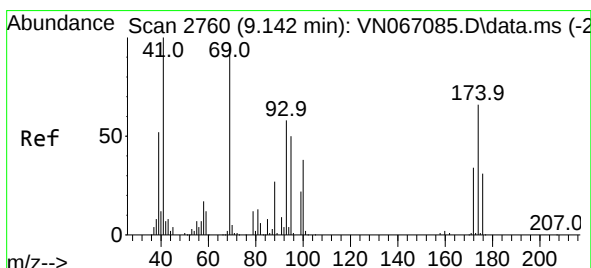
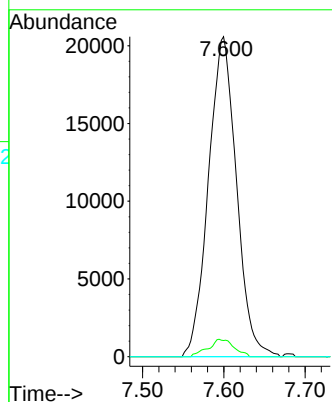
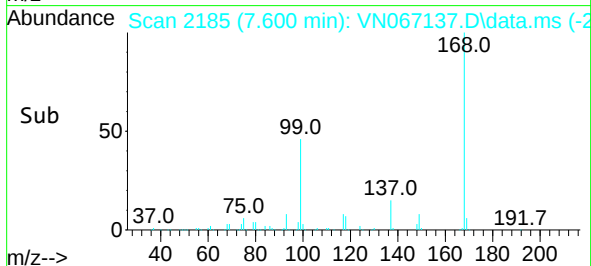


#38
Carbon Tetrachloride
Concen: 6.00 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. -0.107 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

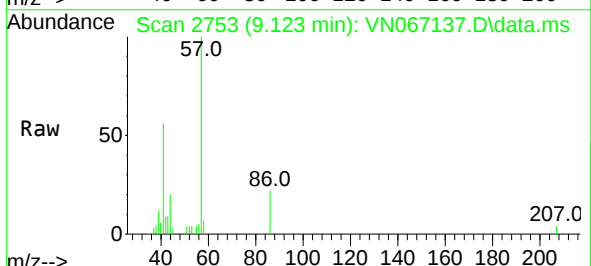
Instrument :
MSVOA_N
ClientSampleId :



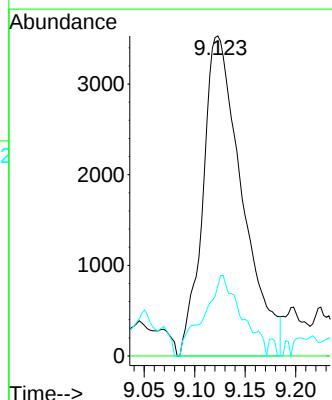
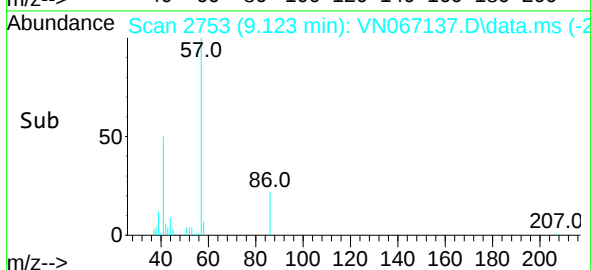
Tgt Ion: 117 Resp: 49302
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.7 37.1#

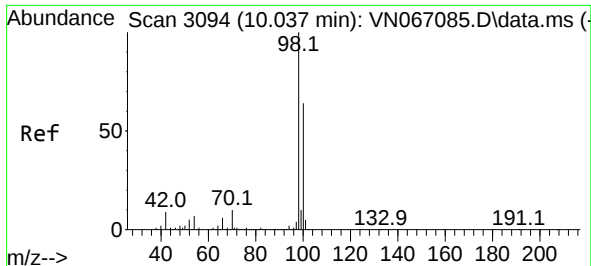


#48
Methyl methacrylate
Concen: 3.62 ug/l
RT: 9.123 min Scan# 2753
Delta R.T. -0.019 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15



Tgt Ion: 41 Resp: 9508
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 24.2 41.4 62.0#

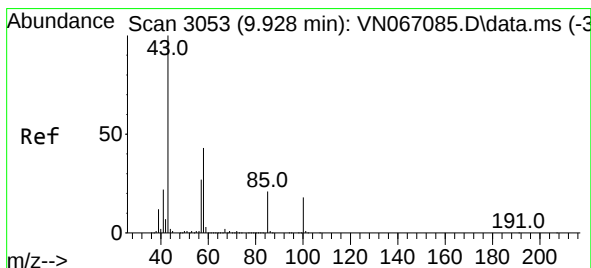
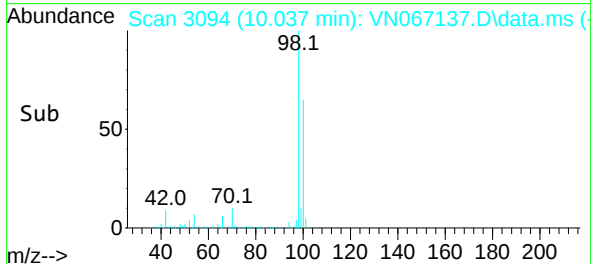
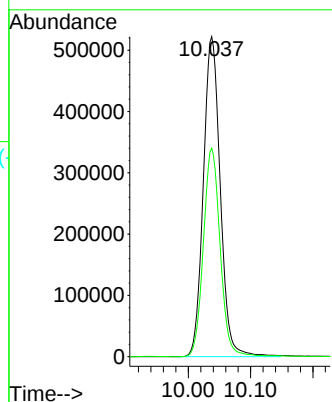
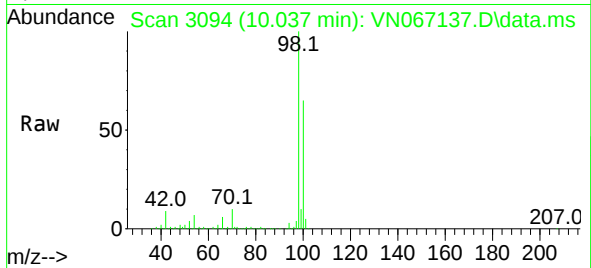




#50
Toluene-d8
Concen: 46.87 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

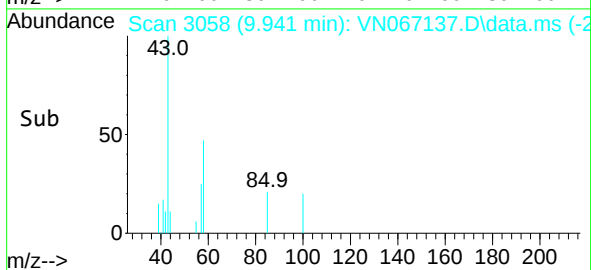
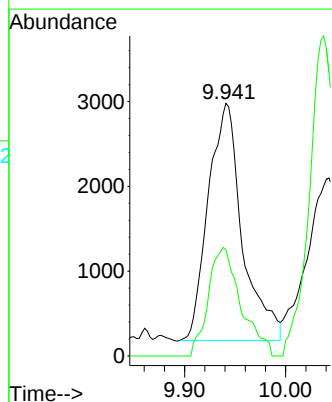
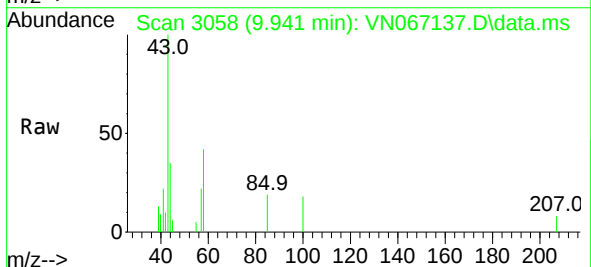
Instrument :
MSVOA_N
ClientSampled :

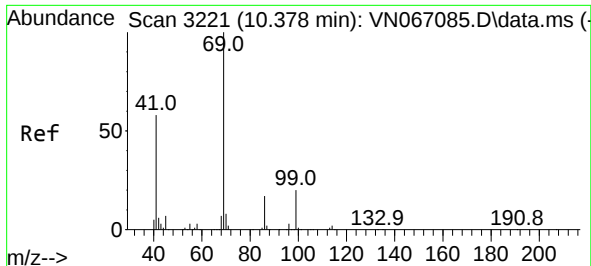
Tgt Ion: 98 Resp: 987115
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 6.34 ug/l
RT: 9.941 min Scan# 3058
Delta R.T. 0.013 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 43 Resp: 6540
Ion Ratio Lower Upper
43 100
58 43.8 34.5 51.7

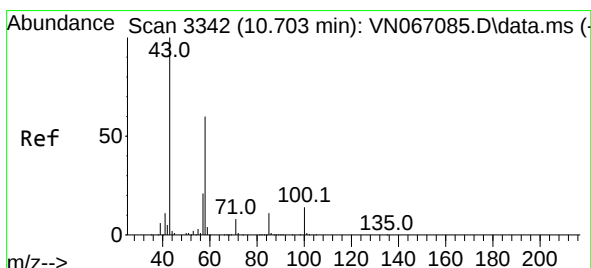
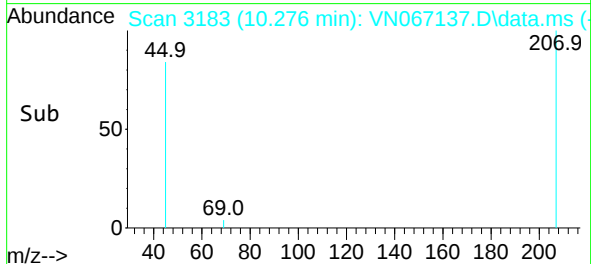
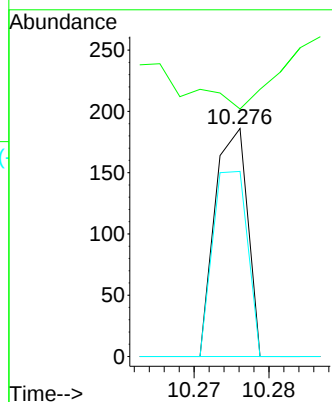
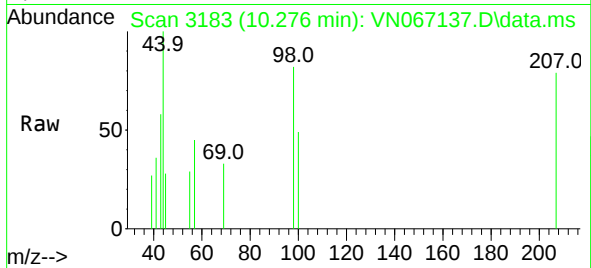




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.276 min Scan# 3183
Delta R.T. -0.102 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

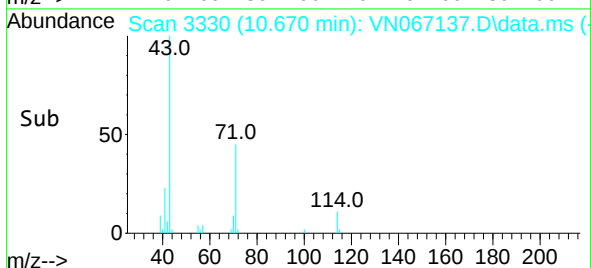
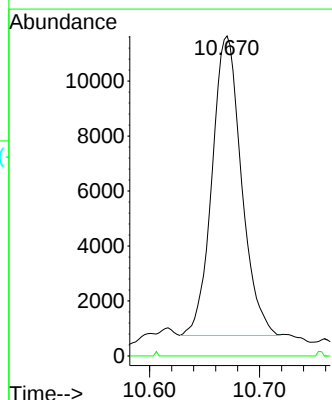
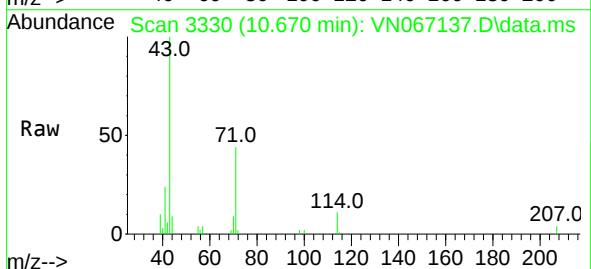
Instrument :
MSVOA_N
ClientSampleId :

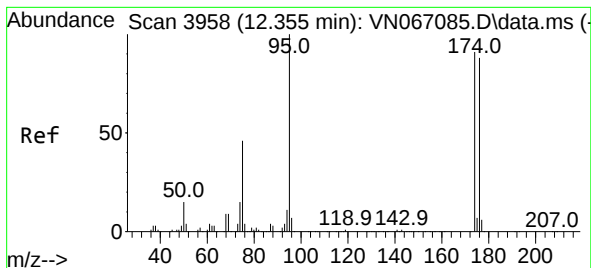
Tgt Ion: 69 Resp: 56
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 85.7 22.9 34.3#



#59
2-Hexanone
Concen: 26.13 ug/l
RT: 10.670 min Scan# 3330
Delta R.T. -0.033 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 43 Resp: 20262
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#

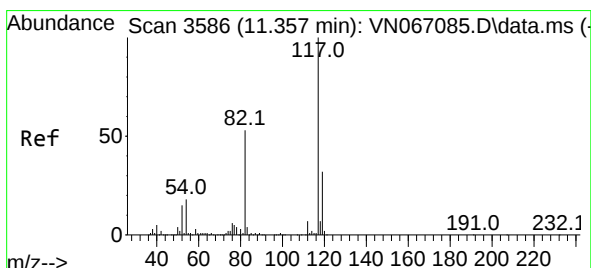
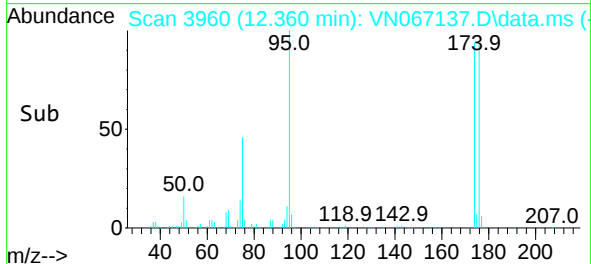
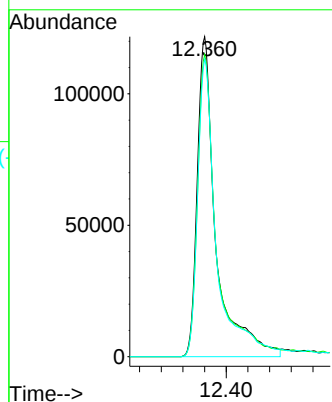
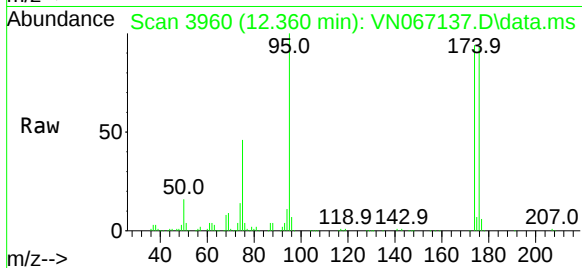




#62
4-Bromofluorobenzene
Concen: 41.65 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

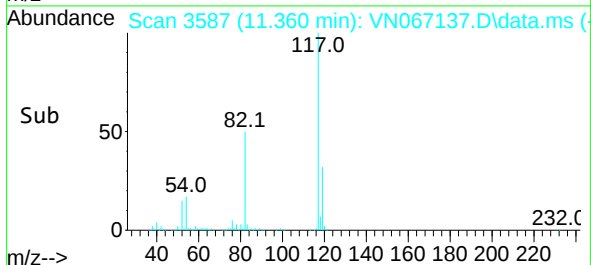
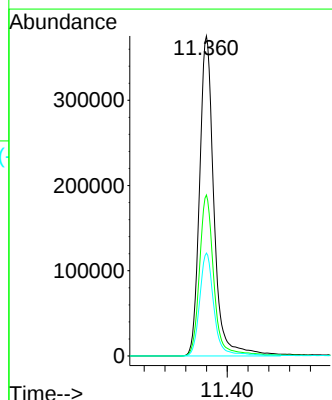
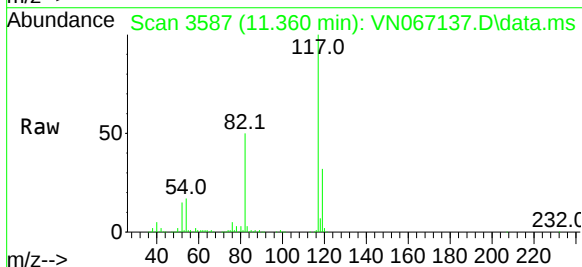
Instrument :
MSVOA_N
ClientSampleId :

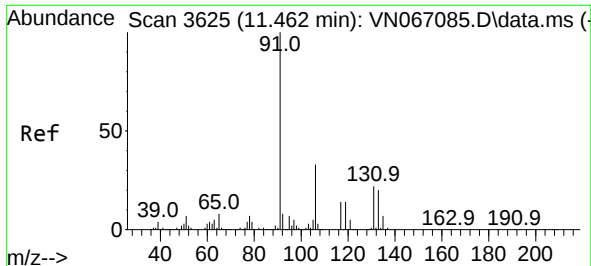
Tgt Ion: 95 Resp: 293790
Ion Ratio Lower Upper
95 100
174 94.7 0.0 182.8
176 93.3 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 117 Resp: 723022
Ion Ratio Lower Upper
117 100
82 50.3 42.2 63.2
119 32.2 25.8 38.6

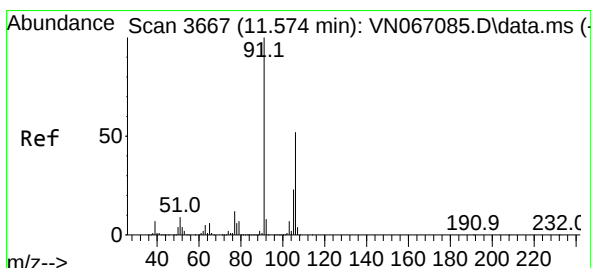
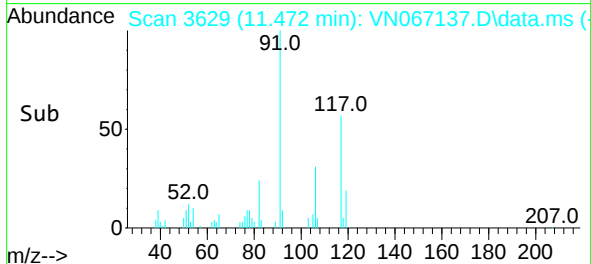
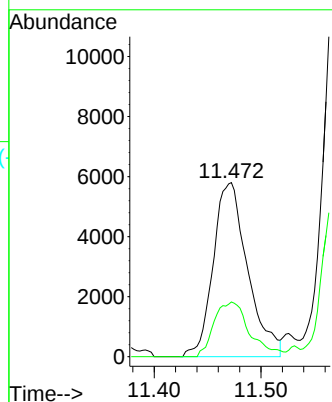
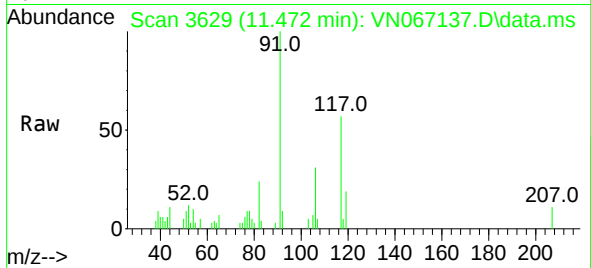




#67
Ethyl Benzene
Concen: 0.48 ug/l
RT: 11.472 min Scan# 3629
Delta R.T. 0.010 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

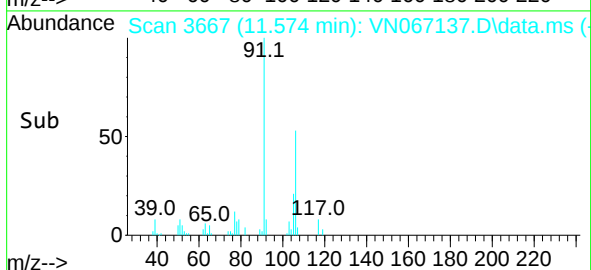
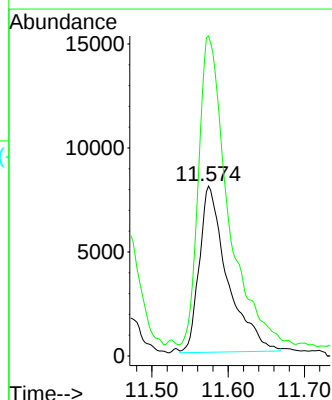
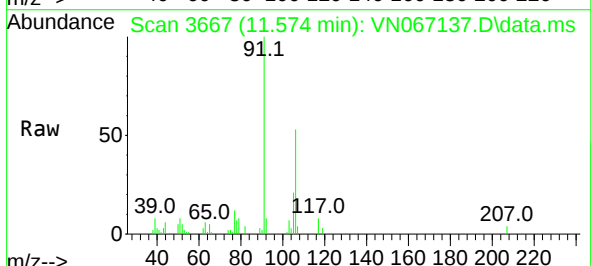
Instrument :
MSVOA_N
ClientSampleId :

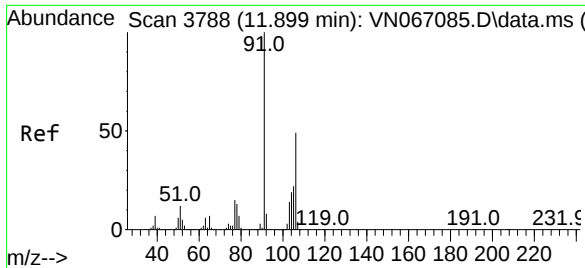
Tgt Ion: 91 Resp: 13015
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.2



#68
m/p-Xylenes
Concen: 1.95 ug/l
RT: 11.574 min Scan# 3667
Delta R.T. 0.000 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion:106 Resp: 20438
Ion Ratio Lower Upper
106 100
91 193.5 155.2 232.8

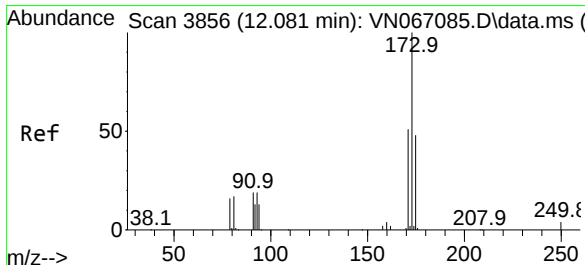
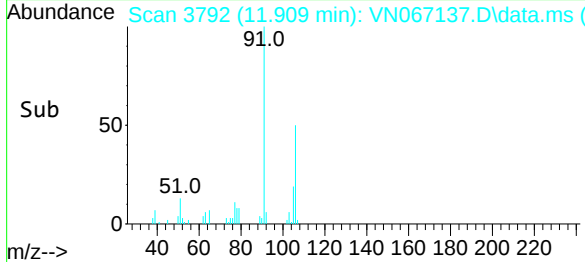
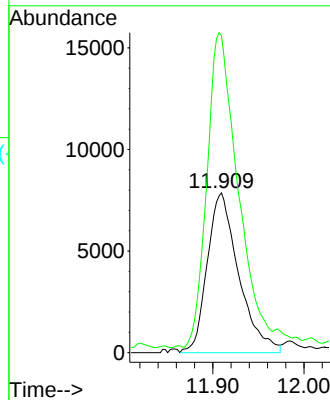
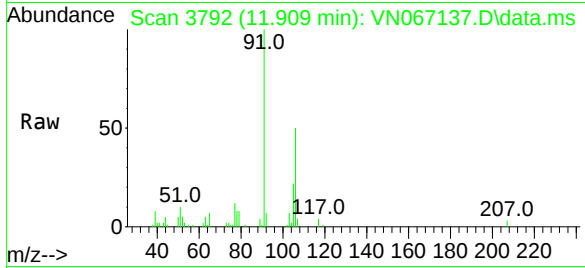




#69
o-Xylene
Concen: 1.79 ug/l
RT: 11.909 min Scan# 3792
Delta R.T. 0.010 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

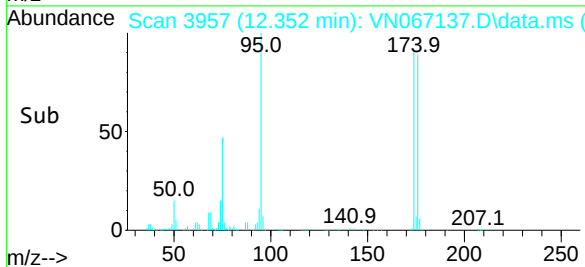
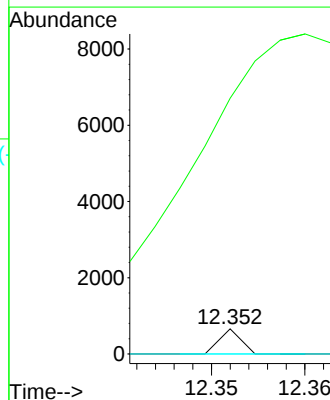
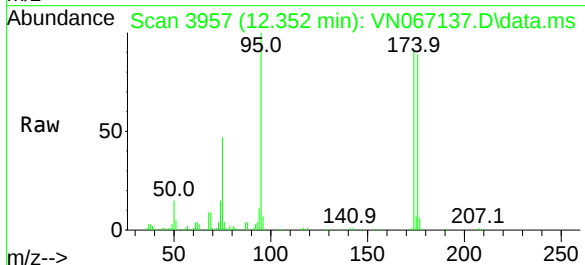
Instrument :
MSVOA_N
ClientSampled :

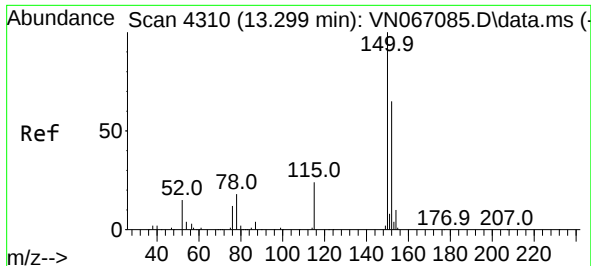
Tgt Ion:106 Resp: 18875
Ion Ratio Lower Upper
106 100
91 192.5 102.3 306.8



#71
Bromoform
Concen: 1.78 ug/l
RT: 12.352 min Scan# 3957
Delta R.T. 0.271 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion:173 Resp: 106
Ion Ratio Lower Upper
173 100
175 12074.5 24.3 73.0#
254 0.0 0.0 0.0

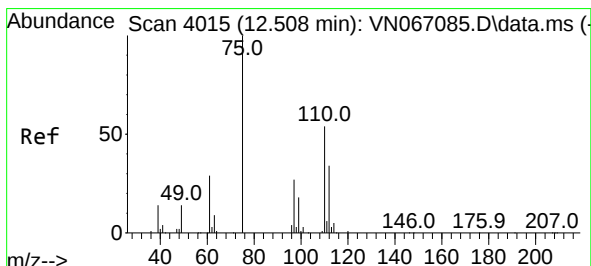
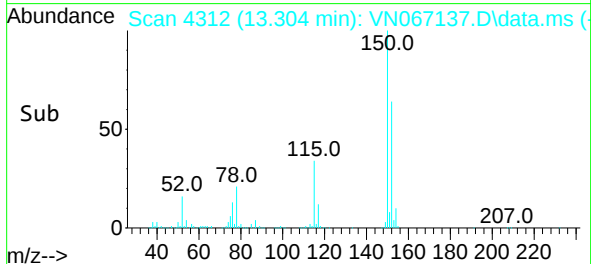
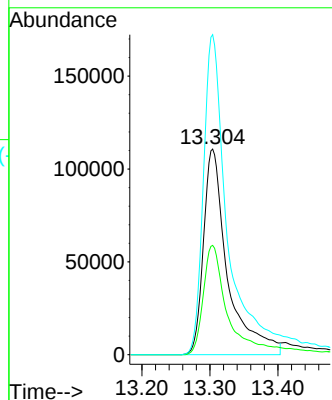
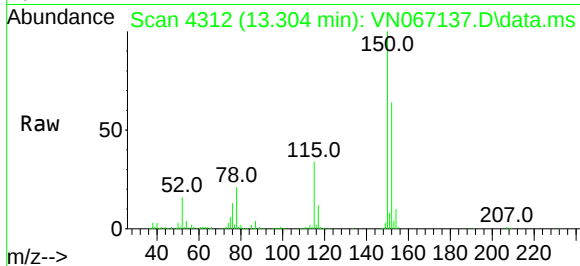




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.304 min Scan# 4312
 Delta R.T. 0.005 min
 Lab File: VN067137.D
 Acq: 18 May 2021 19:15

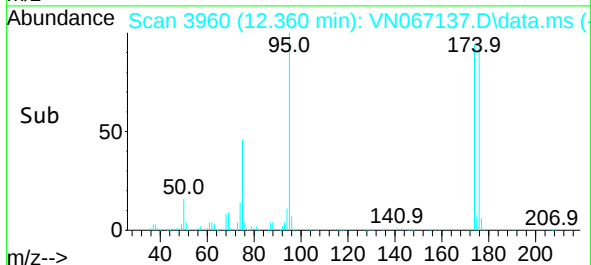
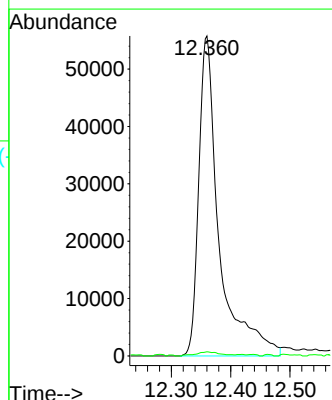
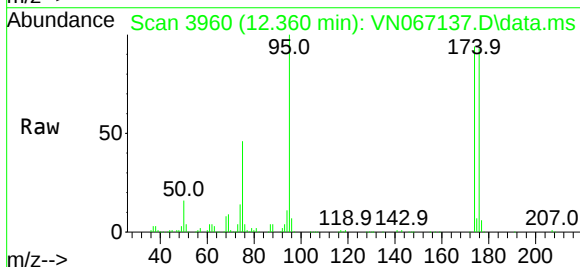
Instrument :
 MSVOA_N
 ClientSampleId :

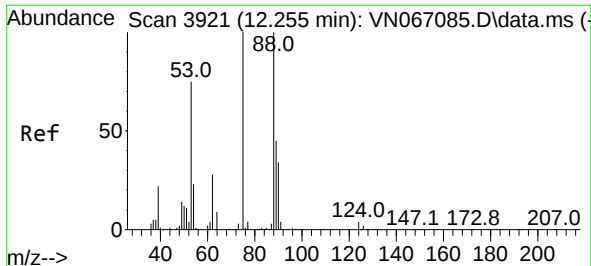
Tgt Ion:152 Resp: 273955
 Ion Ratio Lower Upper
 152 100
 115 54.2 27.0 80.8
 150 161.9 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 23.09 ug/l
 RT: 12.360 min Scan# 3960
 Delta R.T. -0.148 min
 Lab File: VN067137.D
 Acq: 18 May 2021 19:15

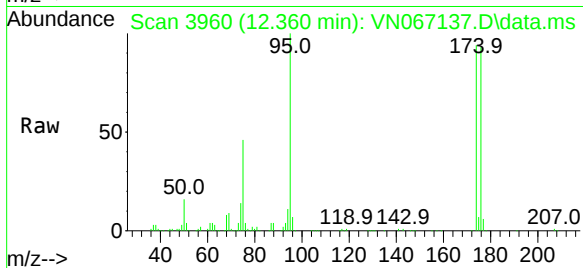
Tgt Ion: 75 Resp: 133460
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



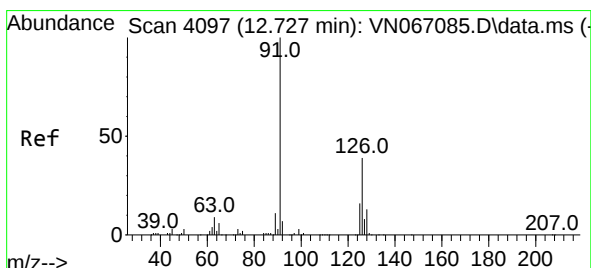
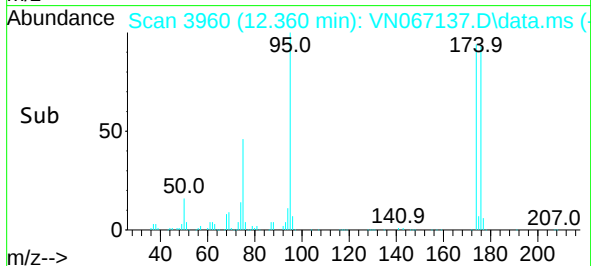
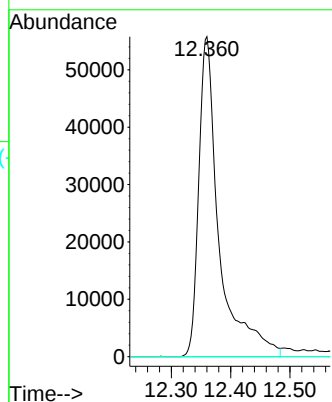


#81
trans-1,4-Dichloro-2-butene
Concen: 69.17 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

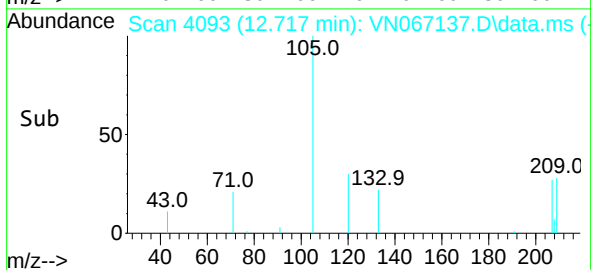
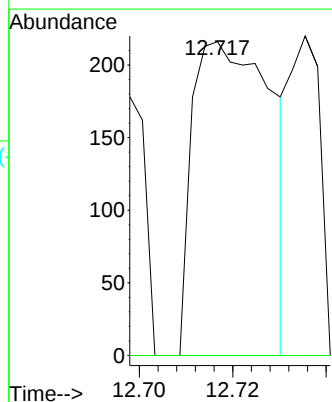
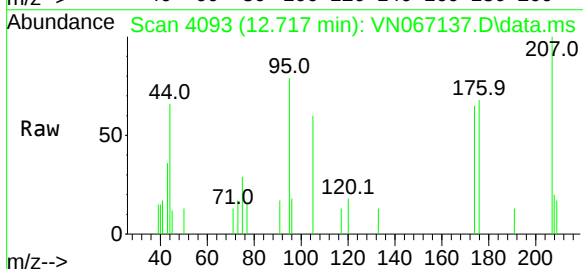


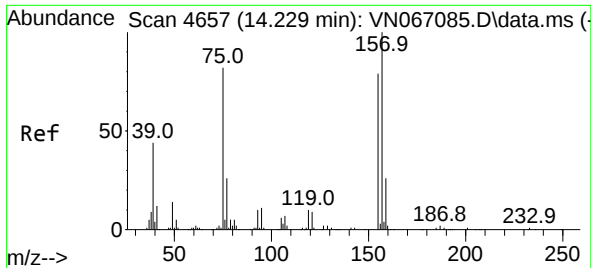
Tgt Ion: 75 Resp: 133460
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.20 ug/l
RT: 12.717 min Scan# 4093
Delta R.T. -0.010 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 91 Resp: 253
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#

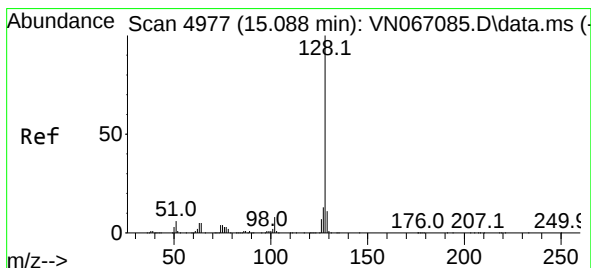
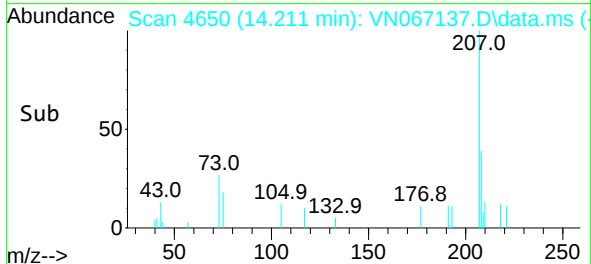
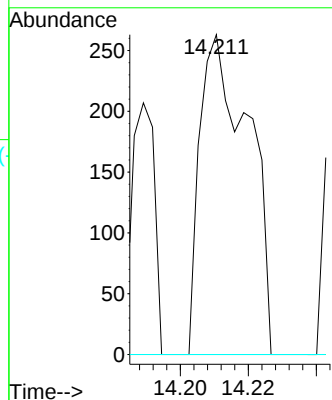
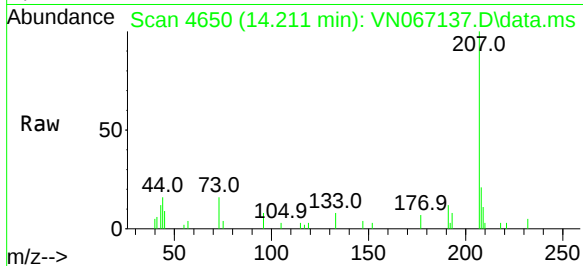




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.26 ug/l
RT: 14.211 min Scan# 4650
Delta R.T. -0.018 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 261
Ion Ratio Lower Upper
75 100
155 0.0 49.9 149.7#
157 0.0 63.8 191.4#



#95
Naphthalene
Concen: 3.38 ug/l
RT: 15.125 min Scan# 4991
Delta R.T. 0.037 min
Lab File: VN067137.D
Acq: 18 May 2021 19:15

Tgt Ion: 128 Resp: 1558
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 3.3 8.6 13.0#

