

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067125.D
 Acq On : 18 May 2021 14:28
 Operator : JC/MD
 Sample : M2387-07 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:49:05 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)

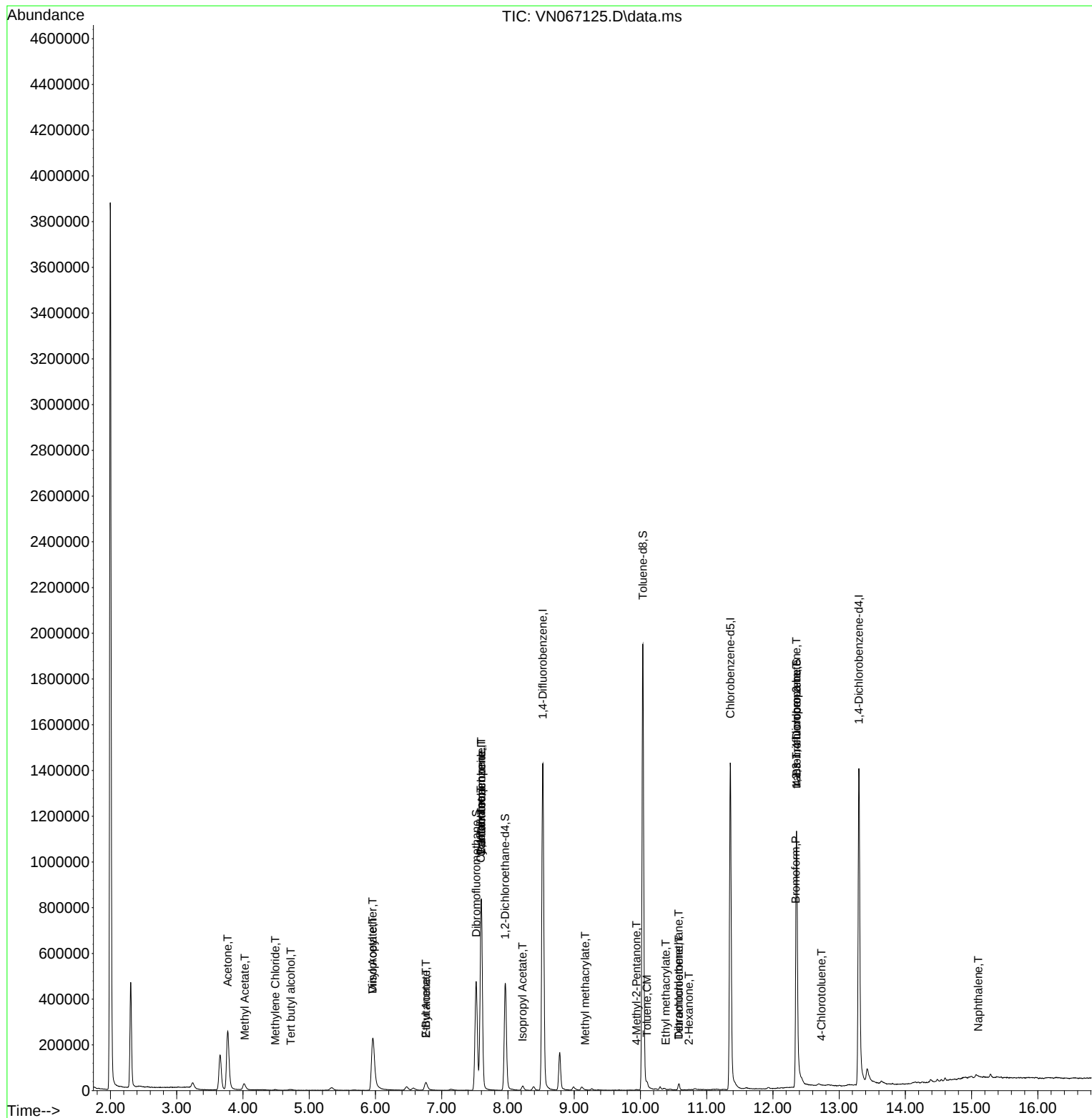
Internal Standards						
1) Pentafluorobenzene	7.597	168	801569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	1142645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	1002470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.299	152	500678	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	415976	48.04	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 96.08%			
35) Dibromofluoromethane	7.522	113	378000	50.38	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.76%			
50) Toluene-d8	10.037	98	1465687	51.54	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.08%			
62) 4-Bromofluorobenzene	12.357	95	481281	50.53	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.06%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.722	59	3624	2.51	ug/l #	71
13) Acrolein	3.563	56	679	Below Cal	#	1
16) Acetone	3.770	43	453301	168.43	ug/l	99
18) Methyl Acetate	4.027	43	10623	1.33	ug/l #	48
20) Methylene Chloride	4.488	84	1520	0.25	ug/l	93
22) Diisopropyl ether	5.958	45	20875	0.97	ug/l #	1
23) Vinyl Acetate	5.958	43	46184	2.47	ug/l #	69
25) 2-Butanone	6.763	43	57299	13.65	ug/l	96
31) Cyclohexane	7.591	56	11601	0.97	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	45935	4.41	ug/l #	49
37) Ethyl Acetate	6.763	43	57299	6.22	ug/l #	65
38) Carbon Tetrachloride	7.600	117	66168	5.96	ug/l #	15
43) Isopropyl Acetate	8.219	43	6130	0.40	ug/l #	52
48) Methyl methacrylate	9.166	41	313	1.98	ug/l #	9
51) 4-Methyl-2-Pentanone	9.941	43	2329	5.65	ug/l	91
52) Toluene	10.099	92	6456	0.32	ug/l	97
56) Ethyl methacrylate	10.383	69	75	1.95	ug/l #	31
59) 2-Hexanone	10.729	43	1013	22.07	ug/l	80
60) Dibromochloromethane	10.579	129	6417	0.67	ug/l #	11
64) Tetrachloroethene	10.582	164	7202	0.82	ug/l	95
71) Bromoform	12.344	173	284	1.80	ug/l #	1
76) 1,2,3-Trichloropropane	12.355	75	221705	20.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.355	75	221705	63.26	ug/l #	15
82) 4-Chlorotoluene	12.733	91	348	1.19	ug/l #	39
95) Naphthalene	15.098	128	8835	3.64	ug/l #	91

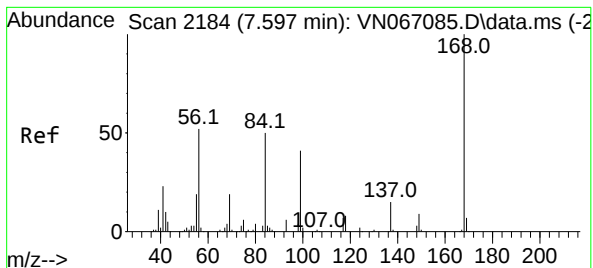
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
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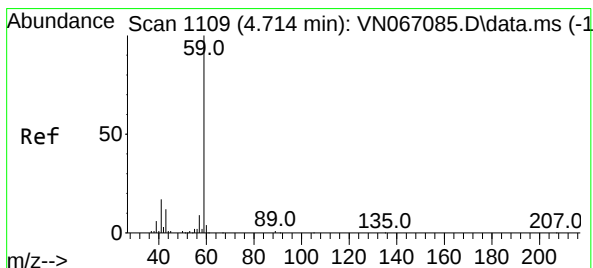
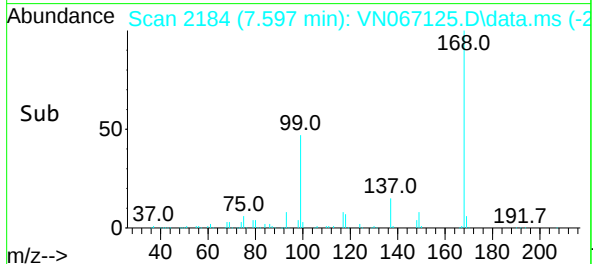
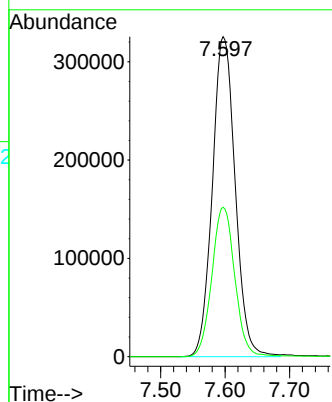
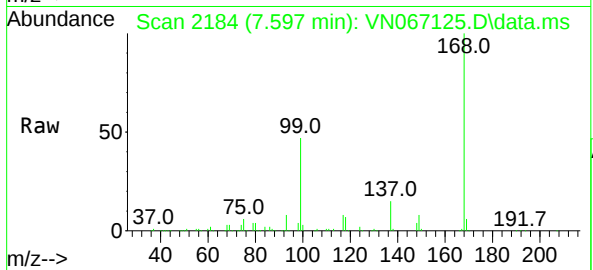


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.597 min Scan# 2184
 Delta R.T. -0.000 min
 Lab File: VN067125.D
 Acq: 18 May 2021 14:28

Instrument :
 MSVOA_N
 ClientSampleId :

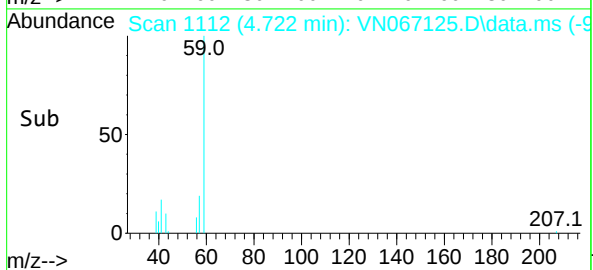
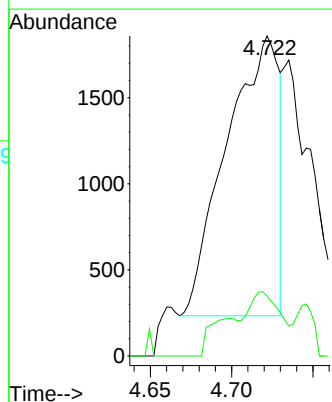
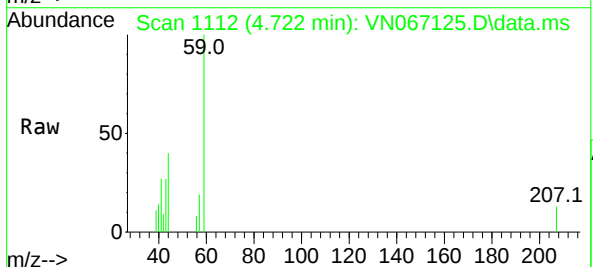
Tgt Ion:168 Resp: 801569
 Ion Ratio Lower Upper
 168 100
 99 46.7 38.5 57.7

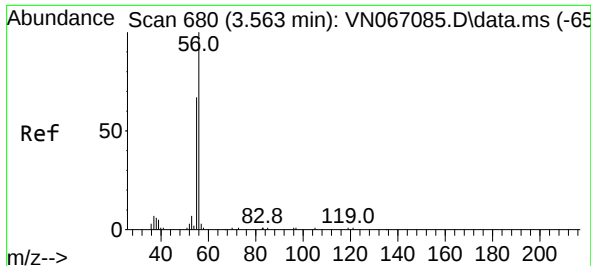


#11

Tert butyl alcohol
 Concen: 2.51 ug/l
 RT: 4.722 min Scan# 1112
 Delta R.T. 0.008 min
 Lab File: VN067125.D
 Acq: 18 May 2021 14:28

Tgt Ion: 59 Resp: 3624
 Ion Ratio Lower Upper
 59 100
 57 14.1 3.5 5.3#

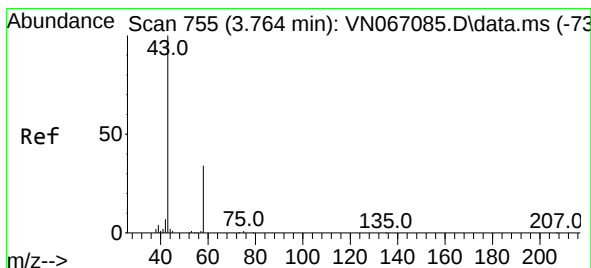
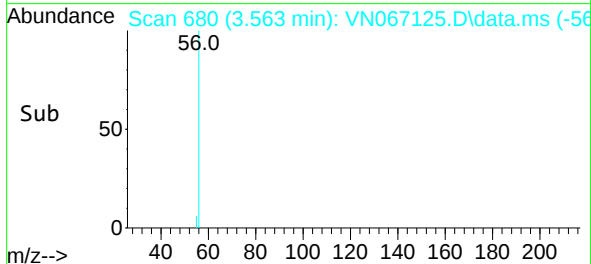
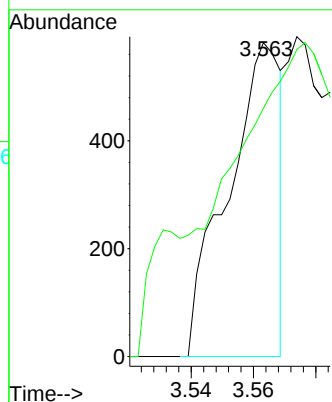
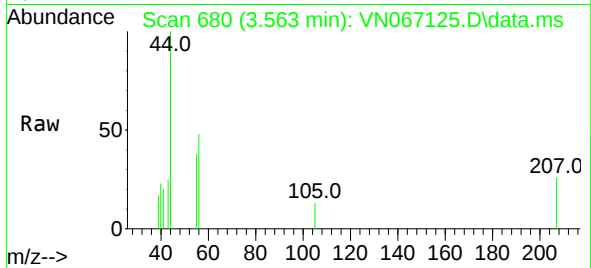




#13
Acrolein
Concen: Below Cal
RT: 3.563 min Scan# 680
Delta R.T. 0.000 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

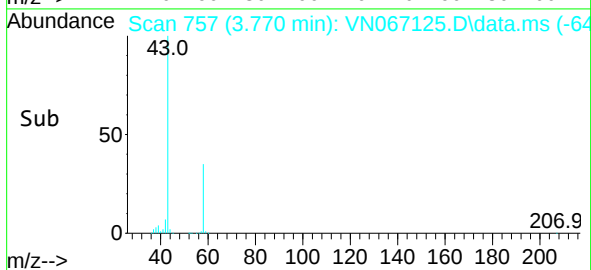
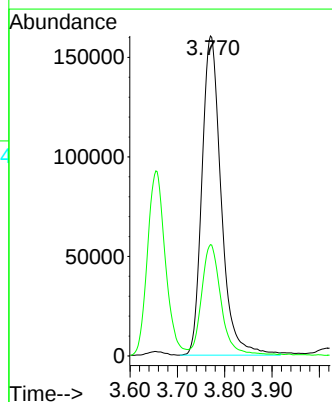
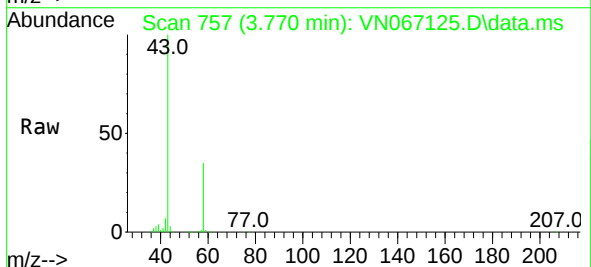
Instrument :
MSVOA_N
ClientSampled :

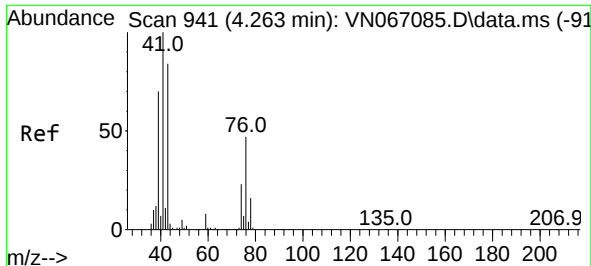
Tgt Ion: 56 Resp: 679
Ion Ratio Lower Upper
56 100
55 183.1 53.8 80.6#



#16
Acetone
Concen: 168.43 ug/l
RT: 3.770 min Scan# 757
Delta R.T. 0.006 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

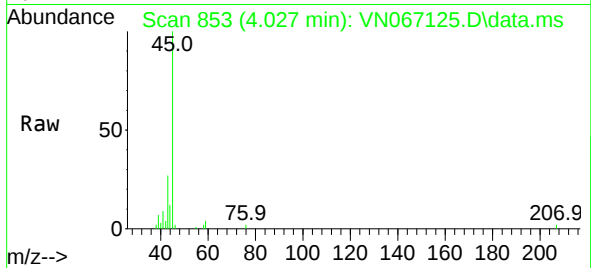
Tgt Ion: 43 Resp: 453301
Ion Ratio Lower Upper
43 100
58 34.3 27.2 40.8



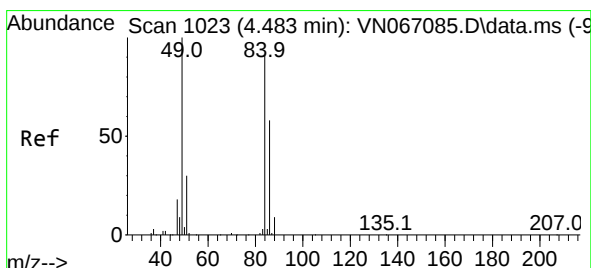
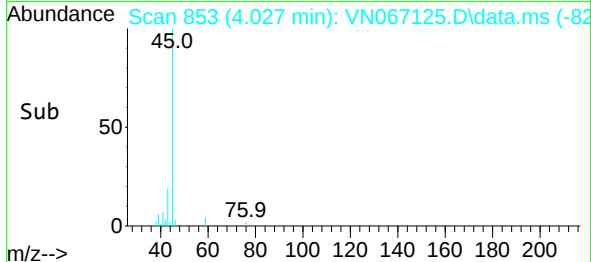
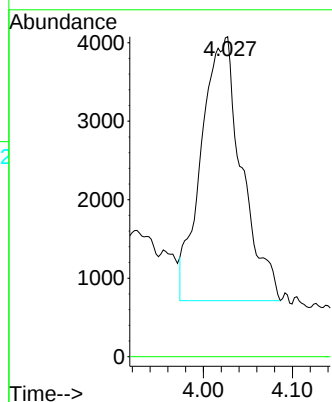


#18
Methyl Acetate
Concen: 1.33 ug/l
RT: 4.027 min Scan# 853
Delta R.T. -0.236 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :

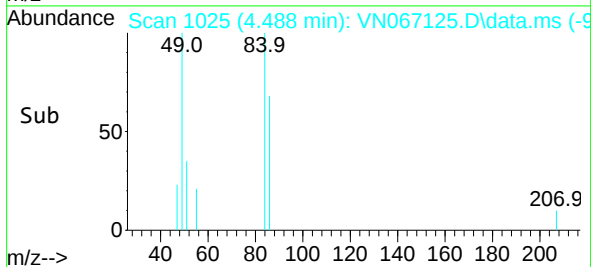
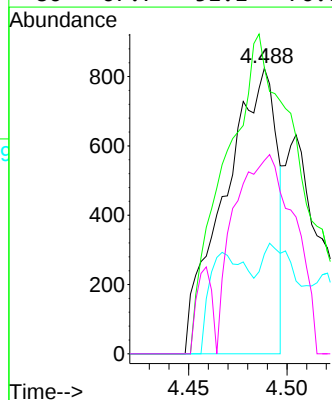
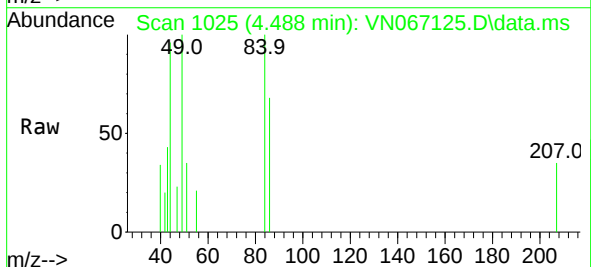


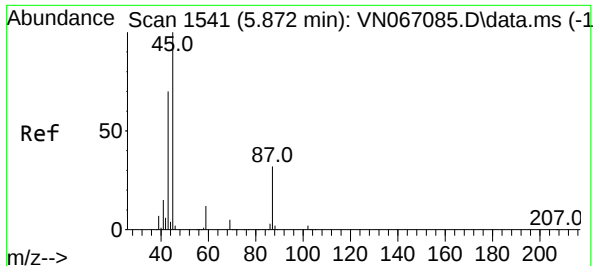
Tgt Ion: 43 Resp: 10623
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#



#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 4.488 min Scan# 1025
Delta R.T. 0.005 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

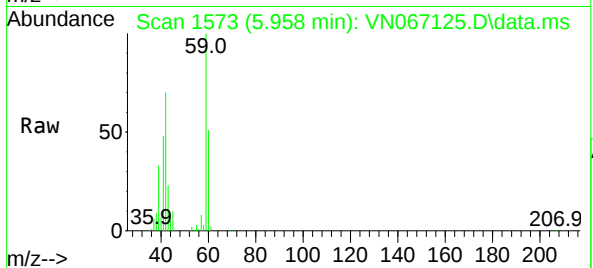
Tgt Ion: 84 Resp: 1520
Ion Ratio Lower Upper
84 100
49 100.2 88.3 132.5
51 35.0 26.7 40.1
86 67.7 51.1 76.7



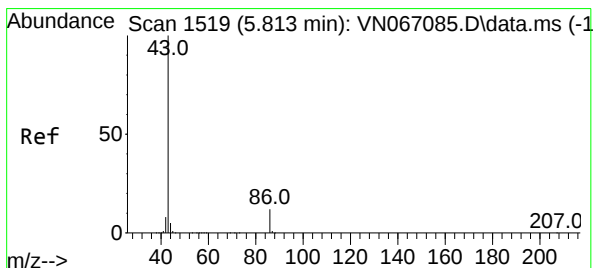
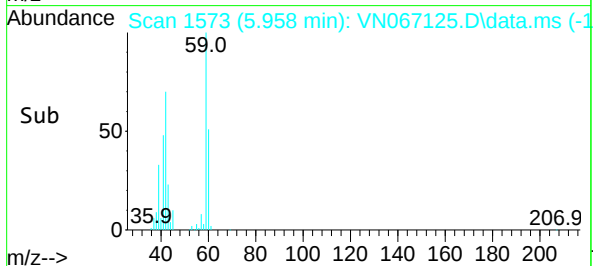
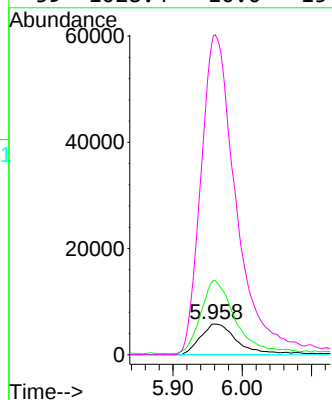


#22
Diisopropyl ether
Concen: 0.97 ug/l
RT: 5.958 min Scan# 1573
Delta R.T. 0.086 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

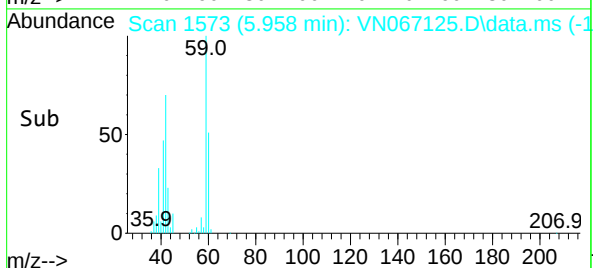
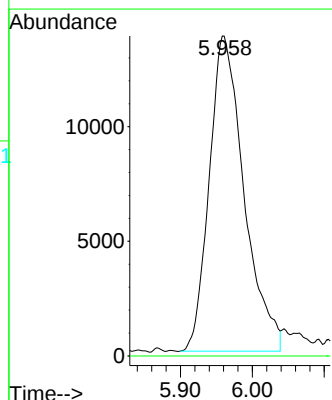
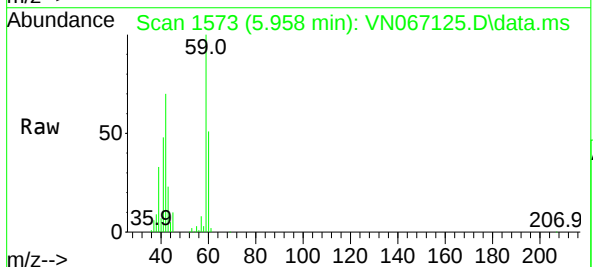


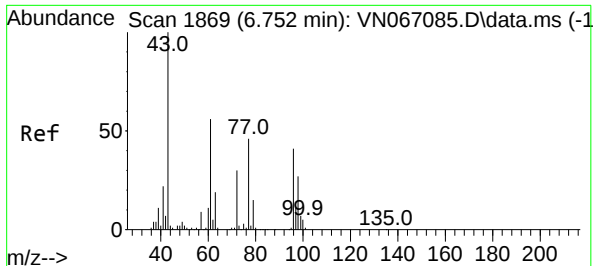
Tgt Ion	Ratio	Lower	Upper
45	100		
43	232.8	55.6	83.4#
87	0.0	26.5	39.7#
59	1028.4	10.0	15.0#



#23
Vinyl Acetate
Concen: 2.47 ug/l
RT: 5.958 min Scan# 1573
Delta R.T. 0.145 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.5	14.3#

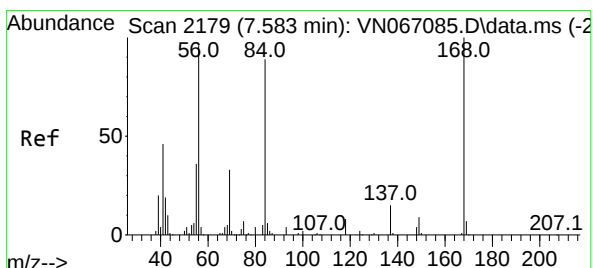
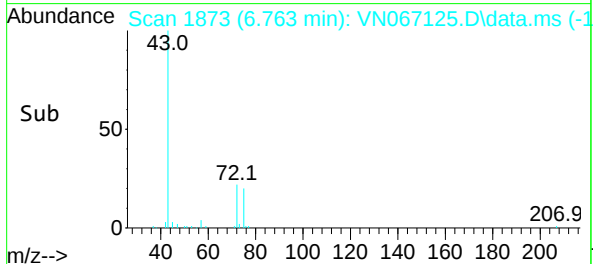
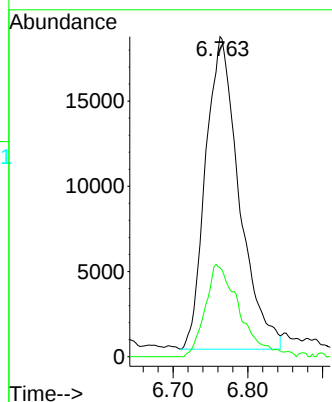
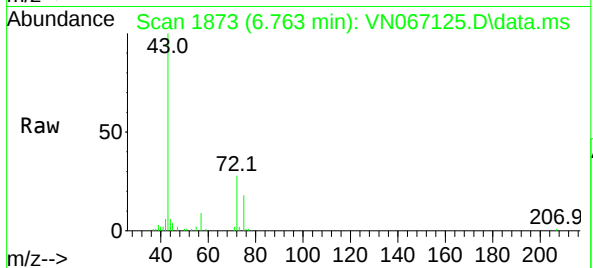




#25
2-Butanone
Concen: 13.65 ug/l
RT: 6.763 min Scan# 1873
Delta R.T. 0.011 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

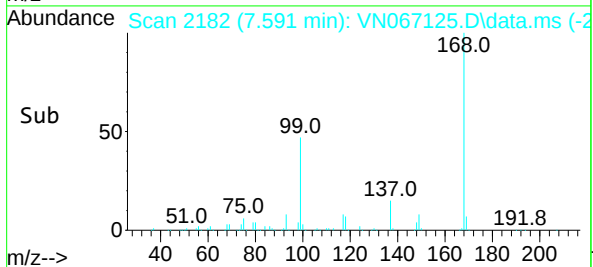
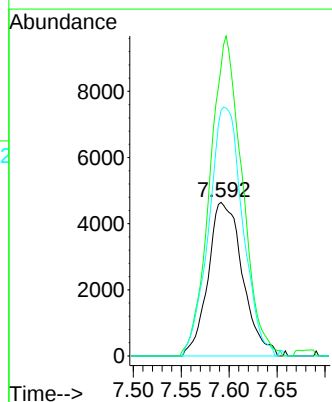
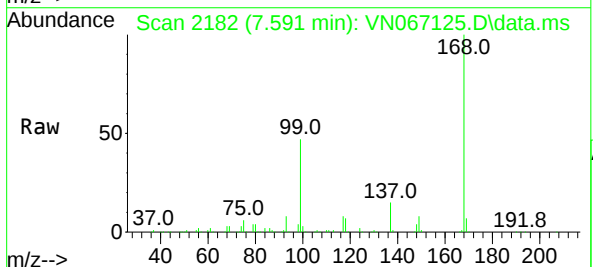
Instrument :
MSVOA_N
ClientSampled :

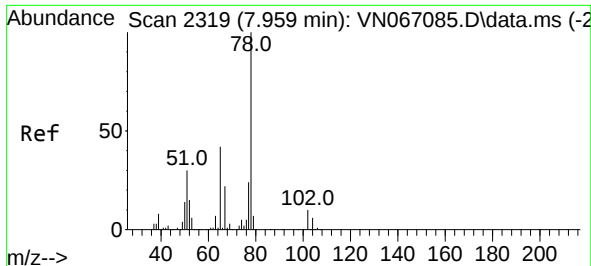
Tgt Ion: 43 Resp: 57299
Ion Ratio Lower Upper
43 100
72 28.4 24.4 36.6



#31
Cyclohexane
Concen: 0.97 ug/l
RT: 7.591 min Scan# 2182
Delta R.T. 0.008 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 56 Resp: 11601
Ion Ratio Lower Upper
56 100
69 187.6 28.0 42.0#
84 159.8 74.2 111.2#

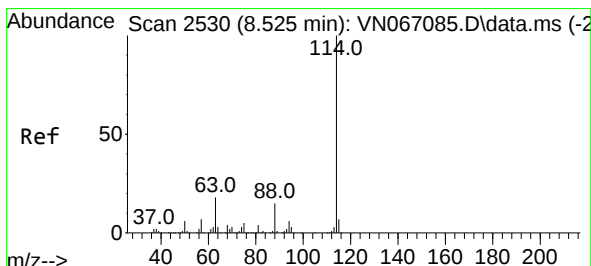
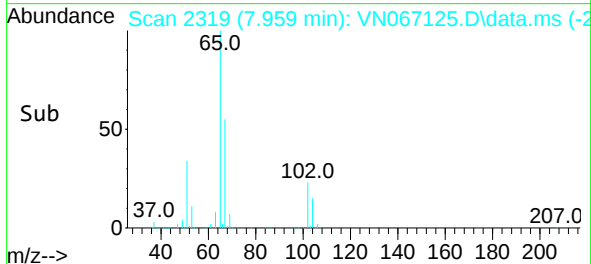
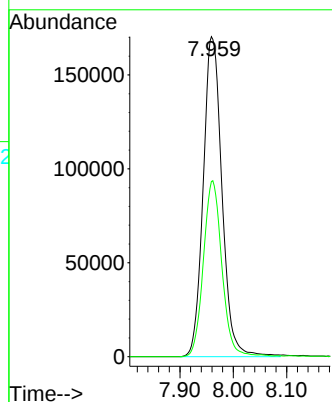
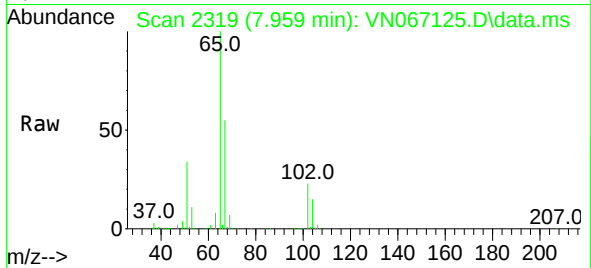




#33
1,2-Dichloroethane-d4
Concen: 48.04 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. -0.000 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

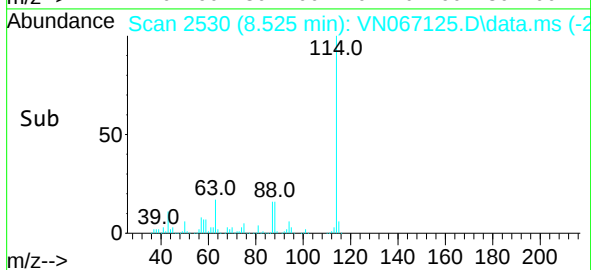
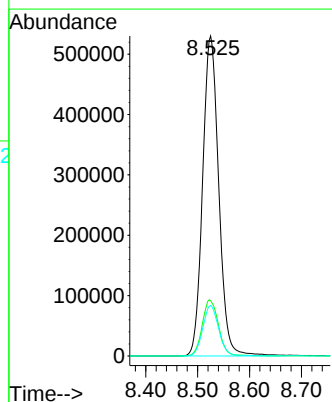
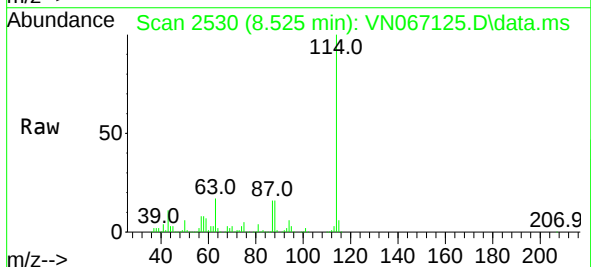
Instrument :
MSVOA_N
ClientSampled :

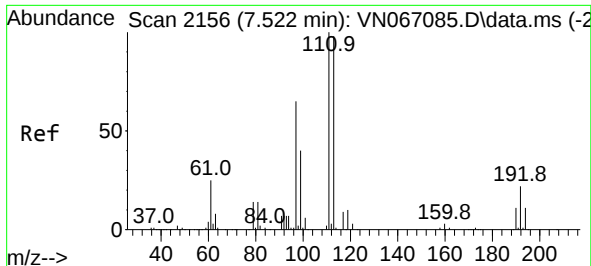
Tgt Ion: 65 Resp: 415976
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 114 Resp: 1142645
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.8
88 15.8 0.0 30.4

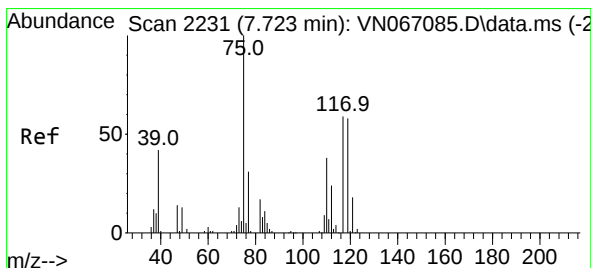
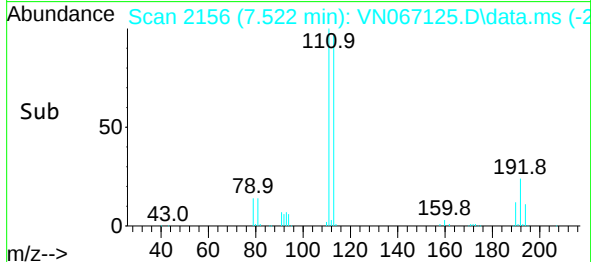
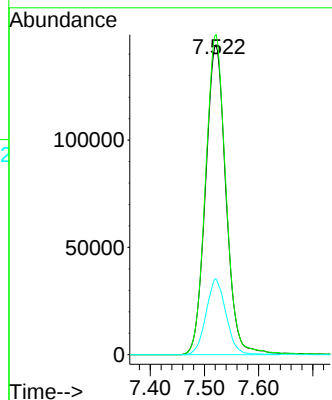
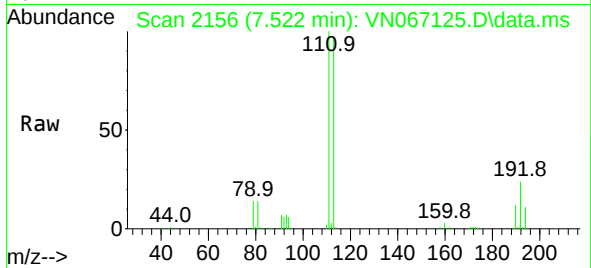




#35
Dibromofluoromethane
Concen: 50.38 ug/l
RT: 7.522 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

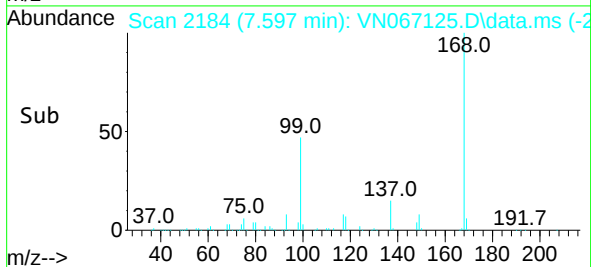
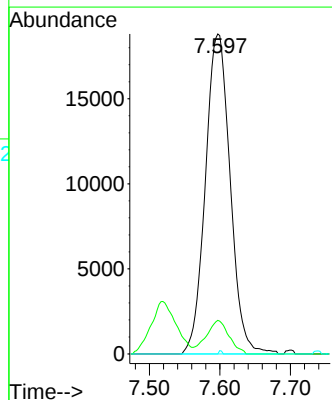
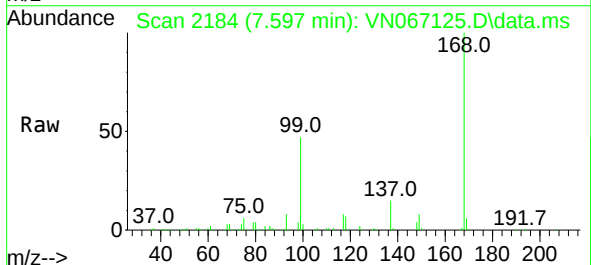
Instrument :
MSVOA_N
ClientSampleId :

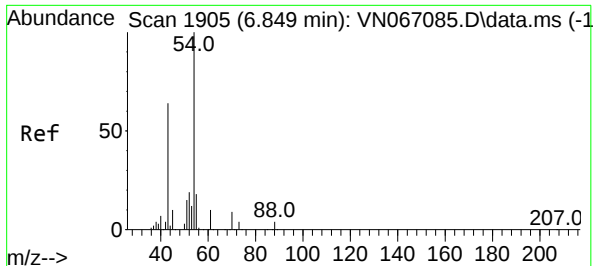
Tgt Ion:113 Resp: 378000
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 23.9 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.41 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 75 Resp: 45935
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.1 24.8 37.2#





#37

Ethyl Acetate

Concen: 6.22 ug/l

RT: 6.763 min Scan# 1873

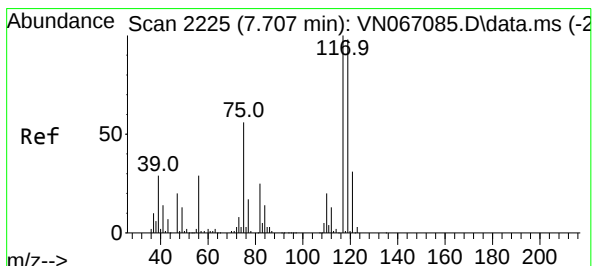
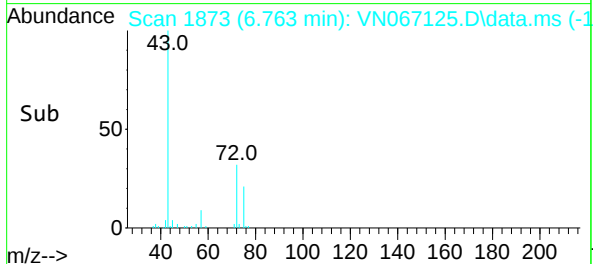
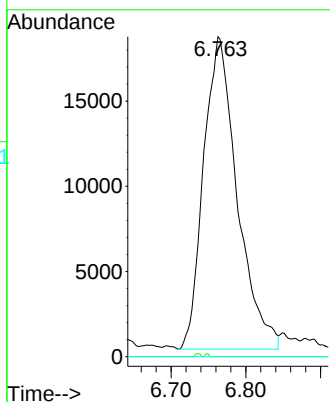
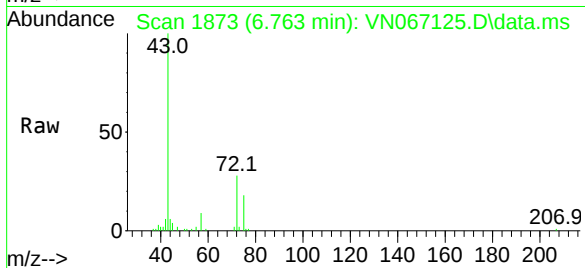
Delta R.T. -0.086 min

Lab File: VN067125.D

Acq: 18 May 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	57299
Ion	Ratio	Lower	Upper
43	100		
61	0.1	13.0	19.4#
70	0.0	9.2	13.8#



#38

Carbon Tetrachloride

Concen: 5.96 ug/l

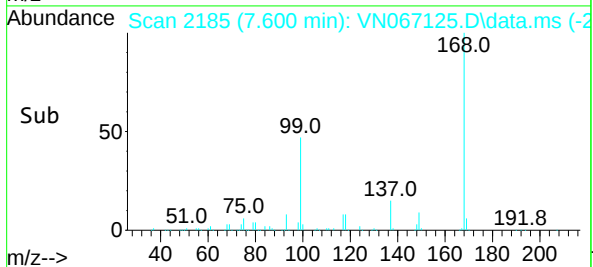
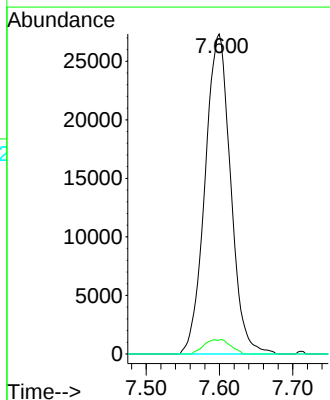
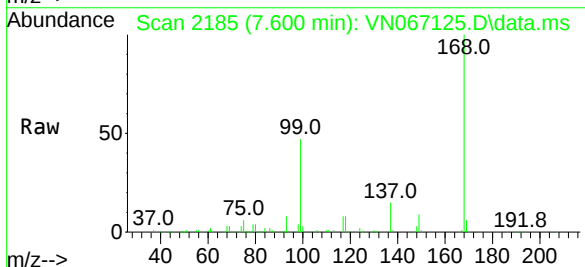
RT: 7.600 min Scan# 2185

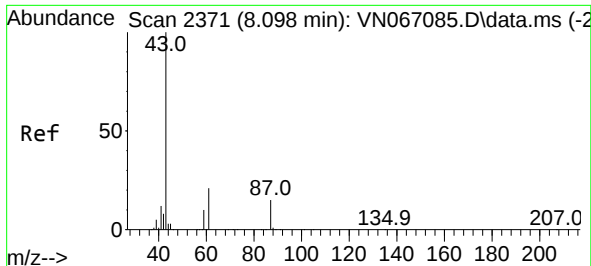
Delta R.T. -0.107 min

Lab File: VN067125.D

Acq: 18 May 2021 14:28

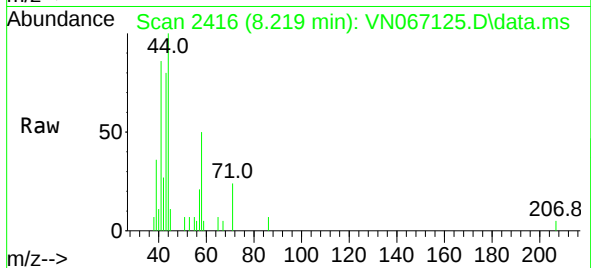
Tgt Ion:	117	Resp:	66168
Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.2	117.2#
121	0.0	24.7	37.1#



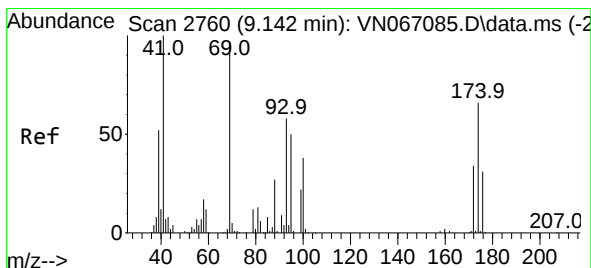
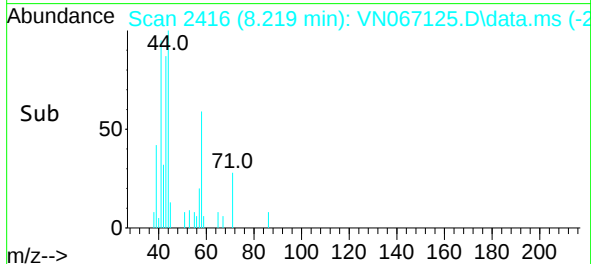
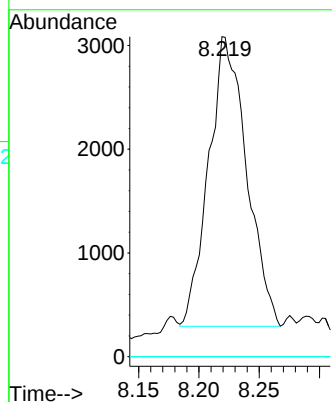


#43
Isopropyl Acetate
Concen: 0.40 ug/l
RT: 8.219 min Scan# 2416
Delta R.T. 0.121 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

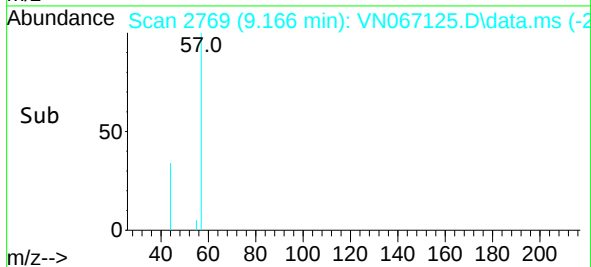
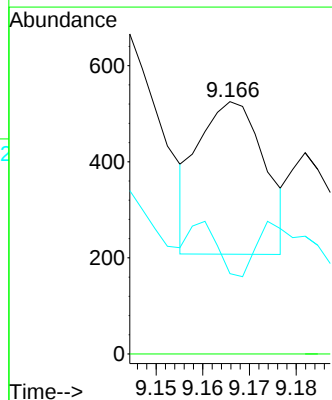
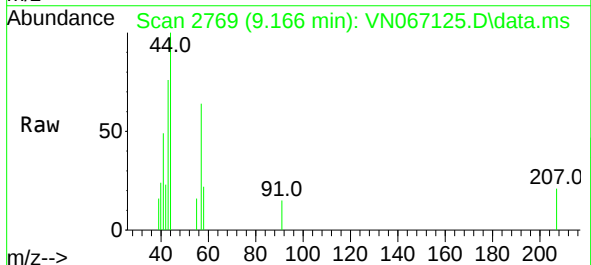


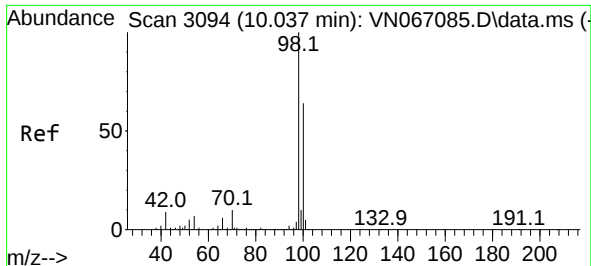
Tgt Ion: 43 Resp: 6130
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 0.0 12.2 18.2#



#48
Methyl methacrylate
Concen: 1.98 ug/l
RT: 9.166 min Scan# 2769
Delta R.T. 0.024 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 41 Resp: 313
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#

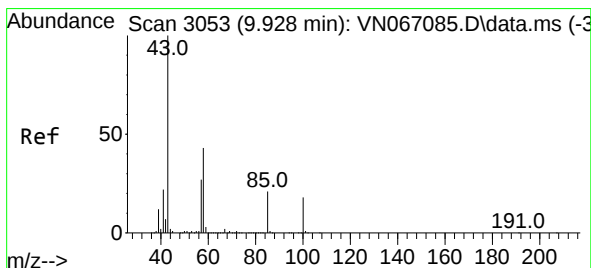
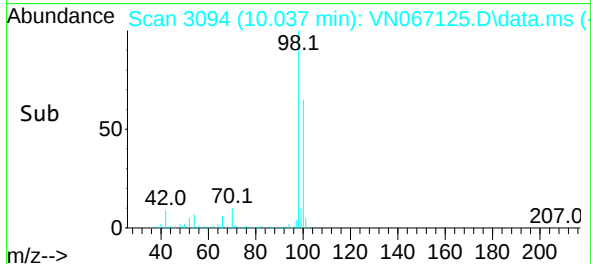
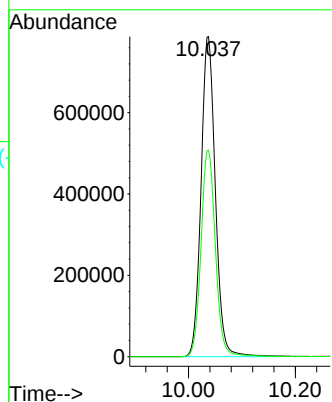
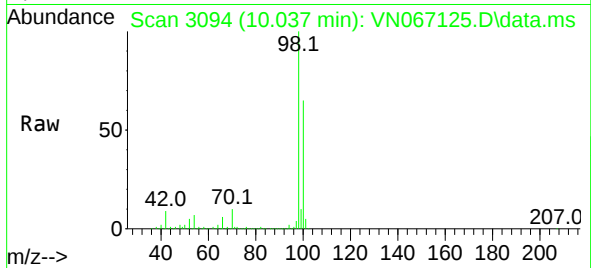




#50
Toluene-d8
Concen: 51.54 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

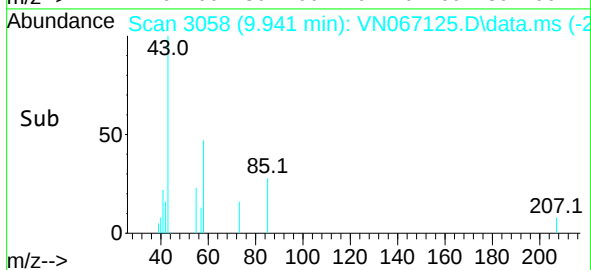
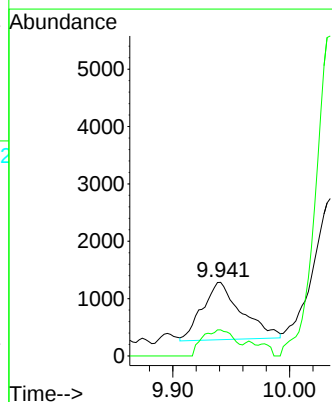
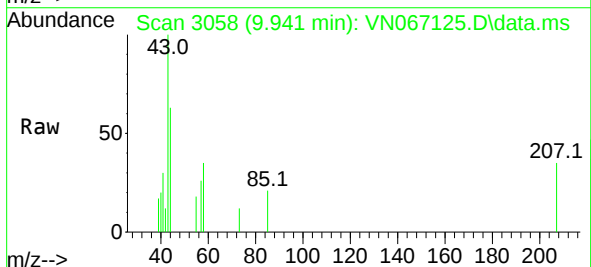
Instrument :
MSVOA_N
ClientSampled :

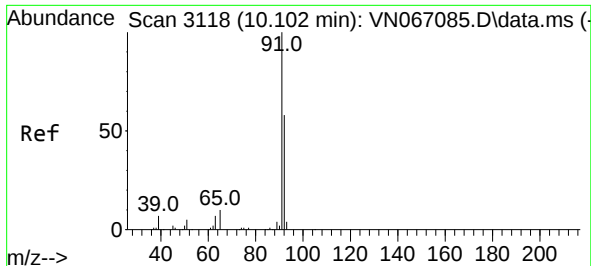
Tgt Ion: 98 Resp: 1465687
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 5.65 ug/l
RT: 9.941 min Scan# 3058
Delta R.T. 0.013 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 43 Resp: 2329
Ion Ratio Lower Upper
43 100
58 37.5 34.5 51.7

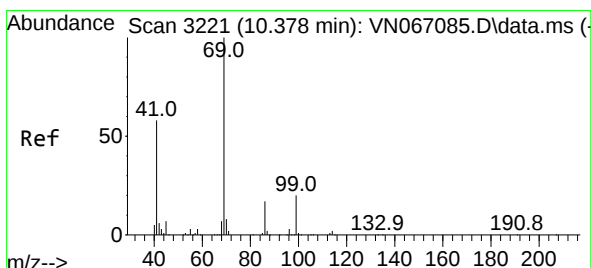
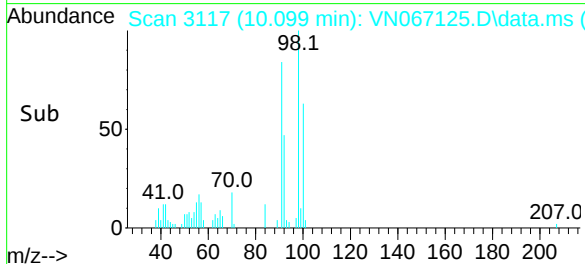
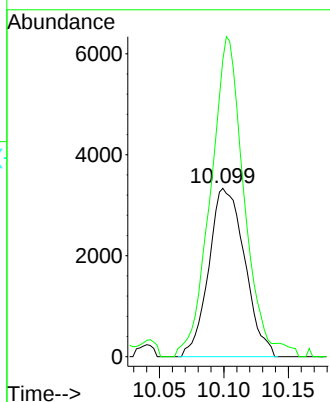
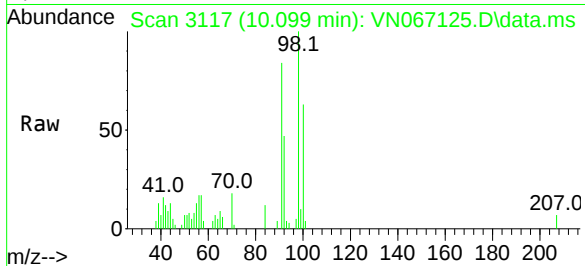




#52
Toluene
Concen: 0.32 ug/l
RT: 10.099 min Scan# 3117
Delta R.T. -0.003 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

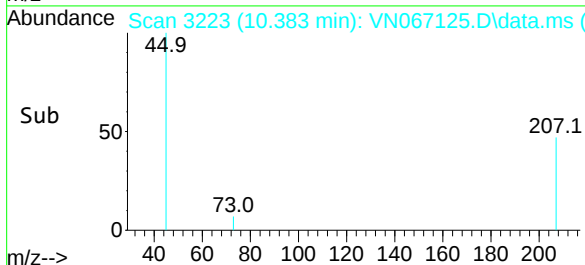
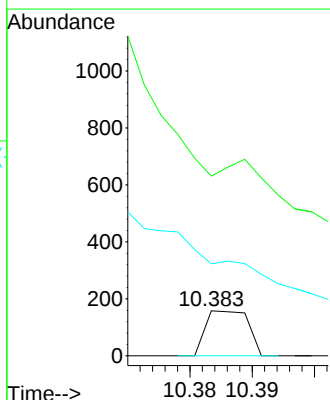
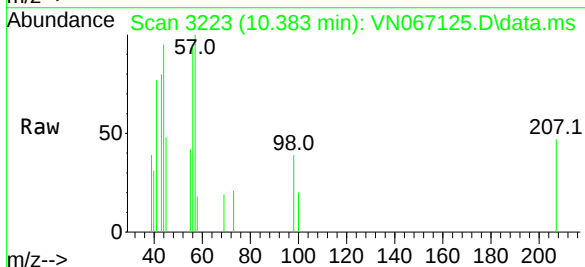
Instrument :
MSVOA_N
ClientSampled :

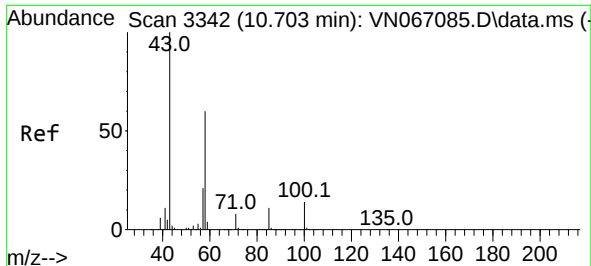
Tgt Ion: 92 Resp: 6456
Ion Ratio Lower Upper
92 100
91 177.3 138.7 208.1



#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.383 min Scan# 3223
Delta R.T. 0.005 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 69 Resp: 75
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#

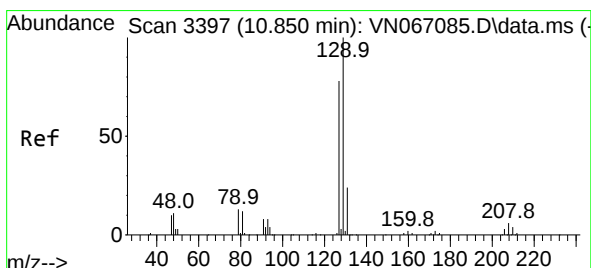
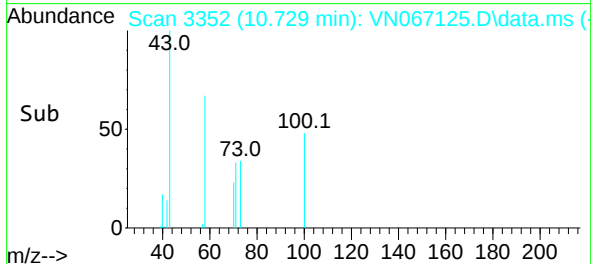
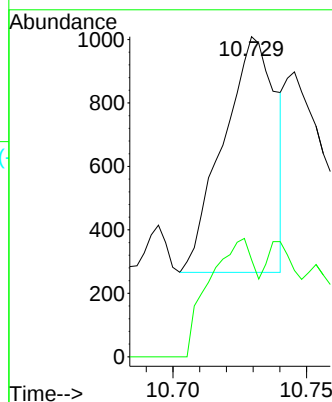
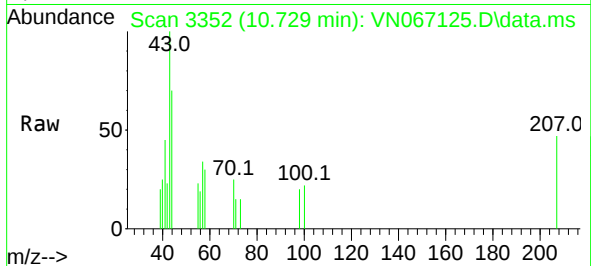




#59
2-Hexanone
Concen: 22.07 ug/l
RT: 10.729 min Scan# 3352
Delta R.T. 0.026 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

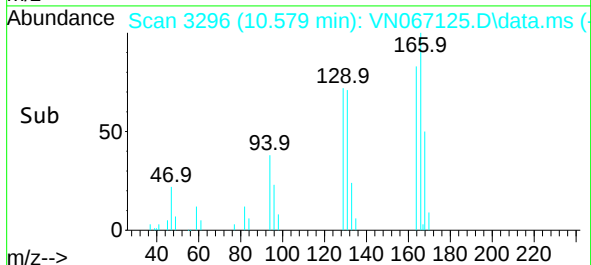
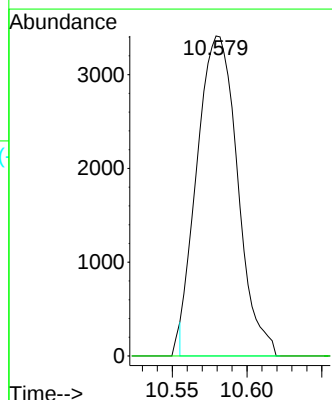
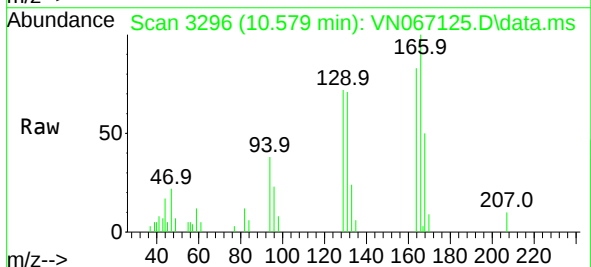
Instrument :
MSVOA_N
ClientSampleId :

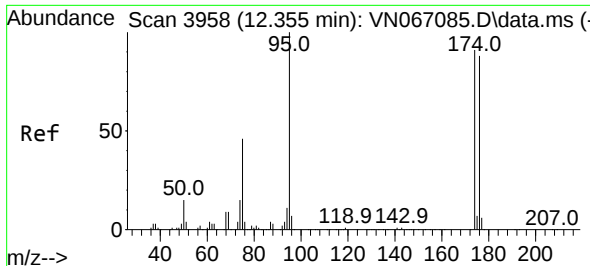
Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 44.3 29.8 89.5



#60
Dibromochloromethane
Concen: 0.67 ug/l
RT: 10.579 min Scan# 3296
Delta R.T. -0.271 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 129 Resp: 6417
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#

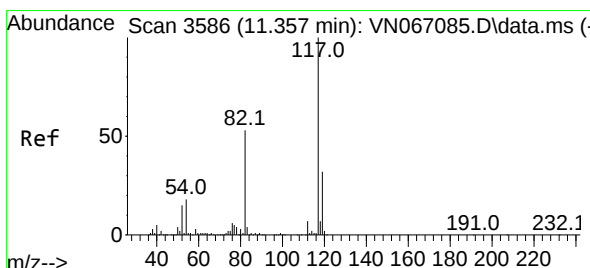
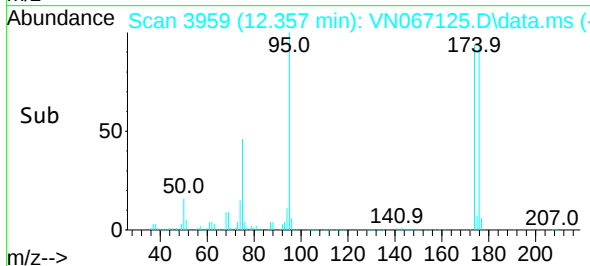
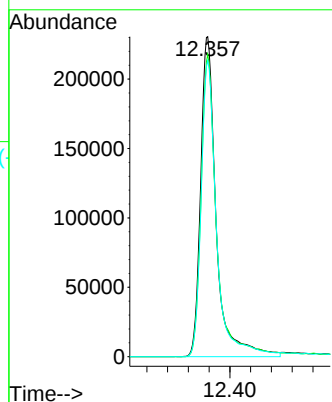
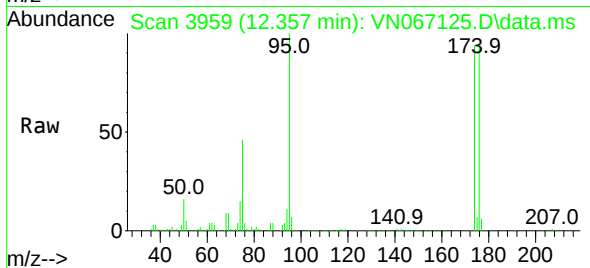




#62
4-Bromofluorobenzene
Concen: 50.53 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

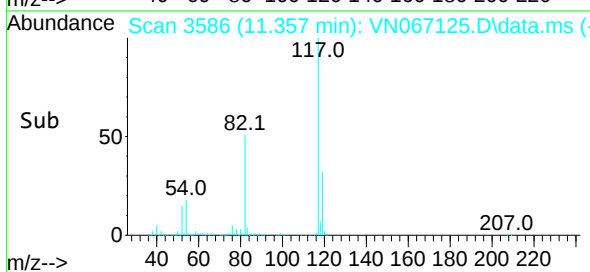
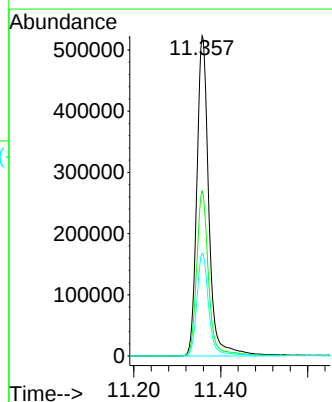
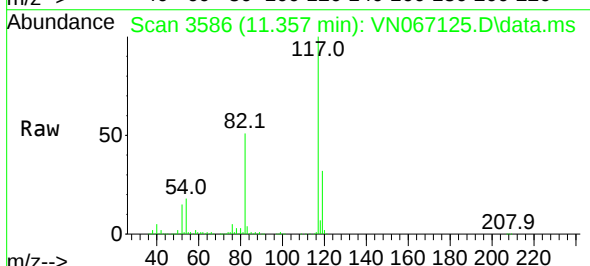
Instrument :
MSVOA_N
ClientSampled :

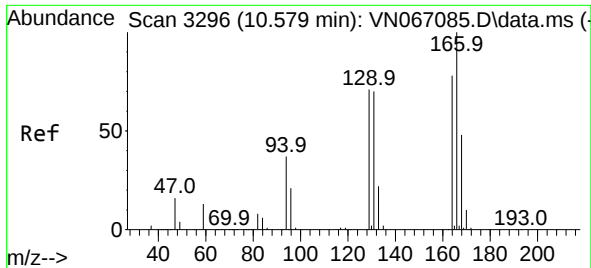
Tgt Ion: 95 Resp: 481281
Ion Ratio Lower Upper
95 100
174 92.9 0.0 182.8
176 91.5 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. -0.000 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 117 Resp: 1002470
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.2
119 32.1 25.8 38.6

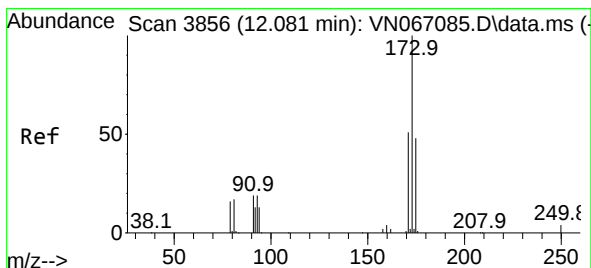
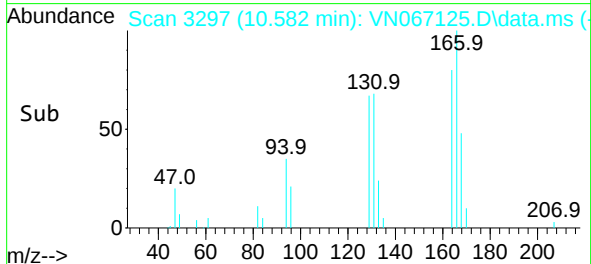
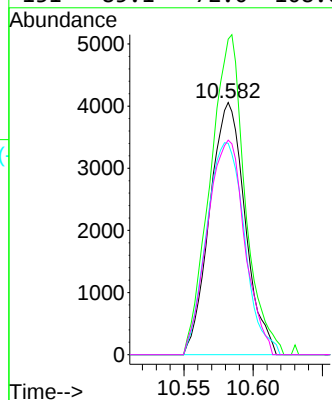
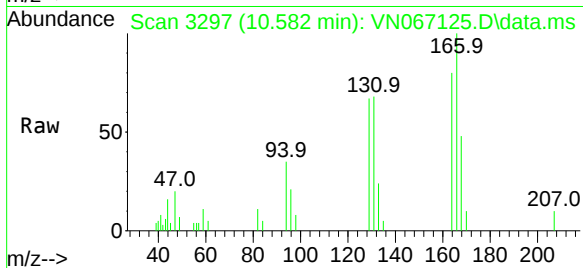




#64
Tetrachloroethene
Concen: 0.82 ug/l
RT: 10.582 min Scan# 3297
Delta R.T. 0.003 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

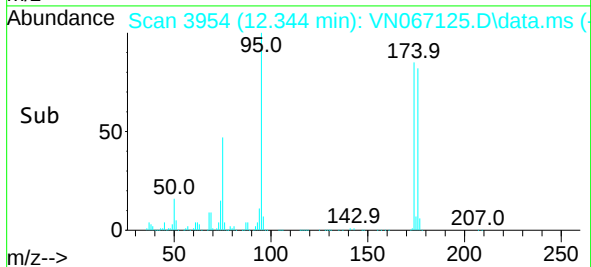
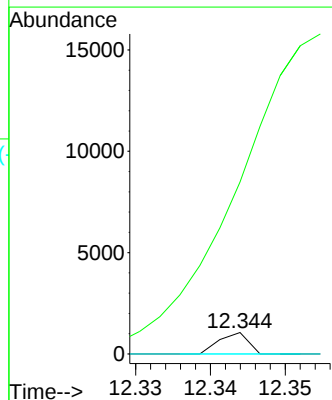
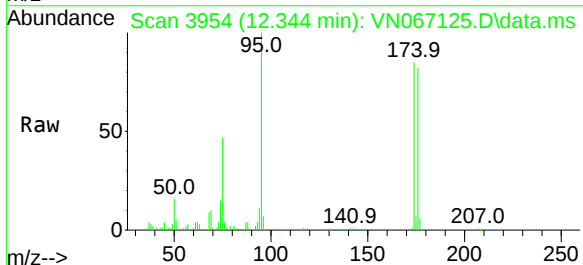
Instrument :
MSVOA_N
ClientSampleId :

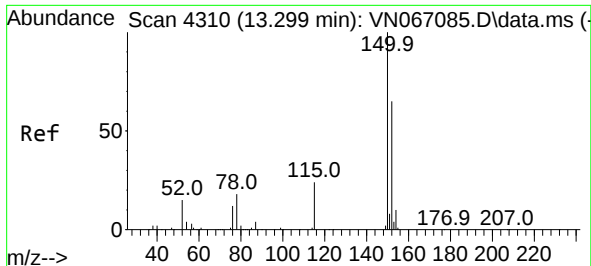
Tgt Ion:164	Resp:	7202
Ion	Ratio	Lower Upper
164	100	
166	125.1	103.0 154.6
129	83.8	73.3 109.9
131	85.1	72.0 108.0



#71
Bromoform
Concen: 1.80 ug/l
RT: 12.344 min Scan# 3954
Delta R.T. 0.263 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion:173	Resp:	284
Ion	Ratio	Lower Upper
173	100	
175	8906.7	24.3 73.0#
254	0.0	0.0 0.0

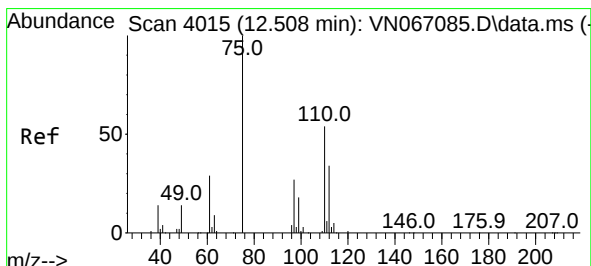
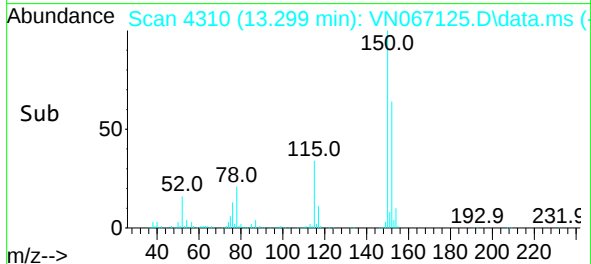
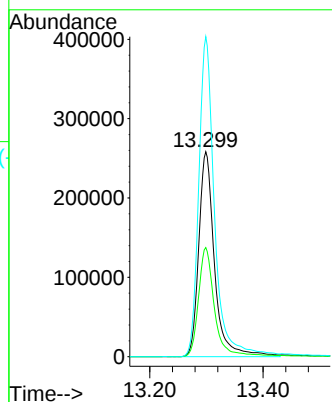
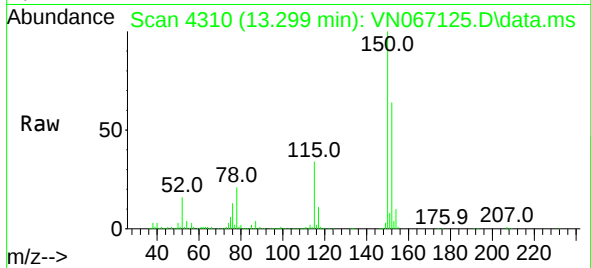




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.299 min Scan# 4310
Delta R.T. -0.000 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

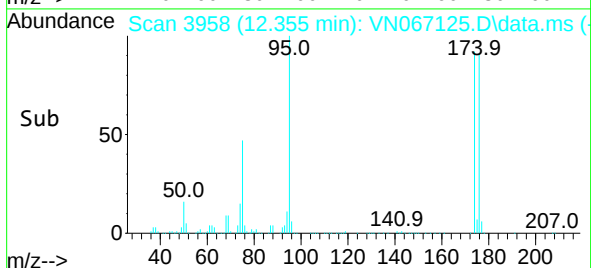
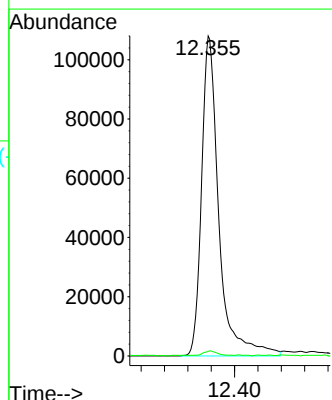
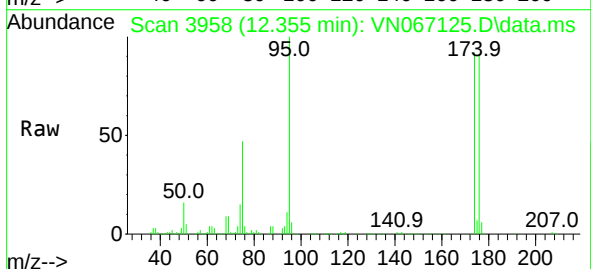
Instrument :
MSVOA_N
ClientSampleId :

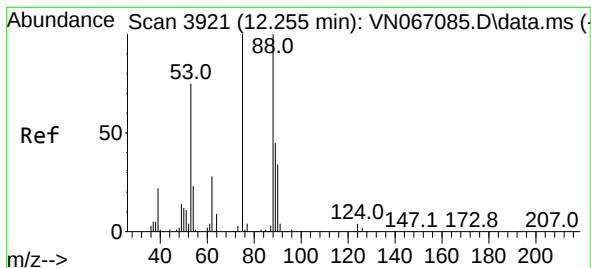
Tgt Ion:152 Resp: 500678
Ion Ratio Lower Upper
152 100
115 53.9 27.0 80.8
150 155.9 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 20.98 ug/l
RT: 12.355 min Scan# 3958
Delta R.T. -0.153 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Tgt Ion: 75 Resp: 221705
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

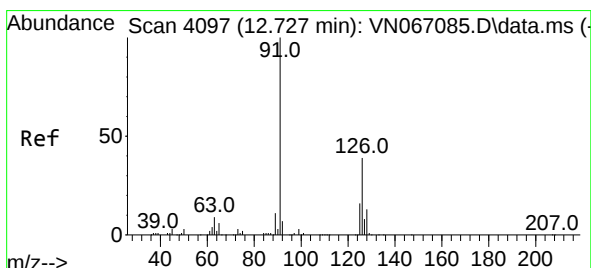
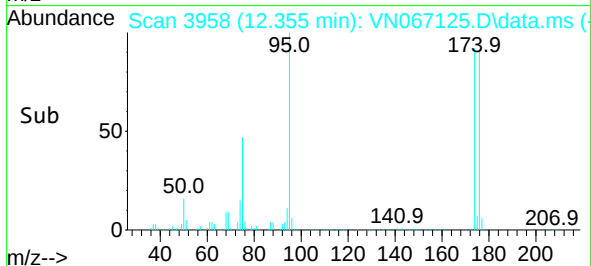
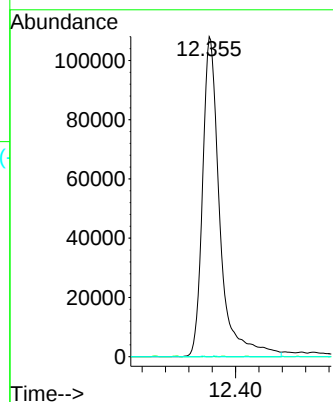
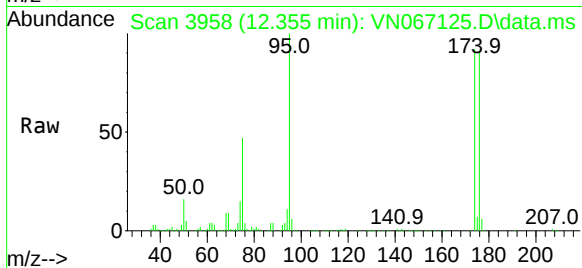




#81
trans-1,4-Dichloro-2-butene
Concen: 63.26 ug/l
RT: 12.355 min Scan# 3958
Delta R.T. 0.100 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

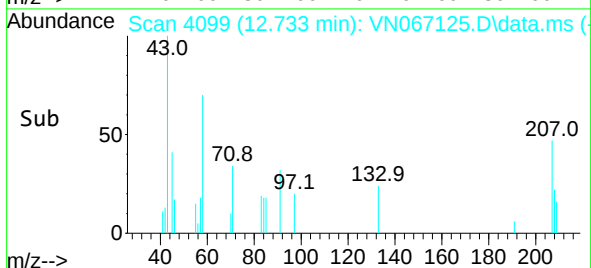
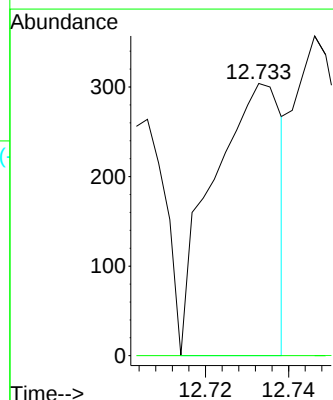
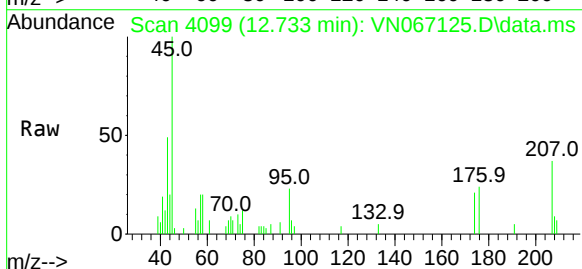
Instrument :
MSVOA_N
ClientSampled :

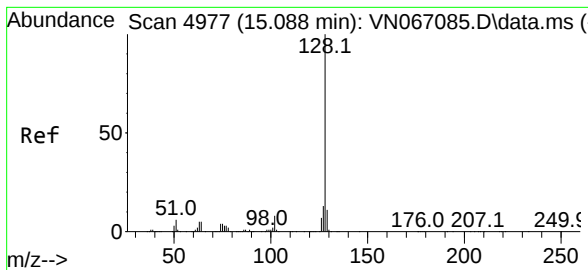
Tgt Ion: 75 Resp: 221705
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.733 min Scan# 4099
Delta R.T. 0.006 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

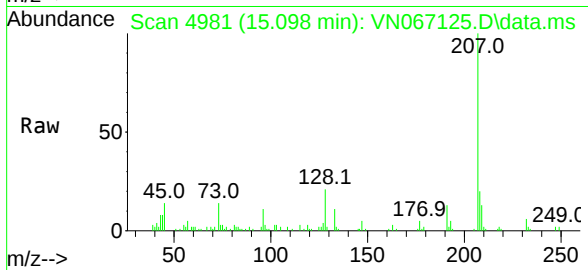
Tgt Ion: 91 Resp: 348
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#





#95
Naphthalene
Concen: 3.64 ug/l
RT: 15.098 min Scan# 4981
Delta R.T. 0.010 min
Lab File: VN067125.D
Acq: 18 May 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	8835
Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.2	15.2#
129	7.1	8.6	13.0#

