

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067123.D
 Acq On : 18 May 2021 13:33
 Operator : JC/MD
 Sample : M2388-12DL 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:48:25 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)

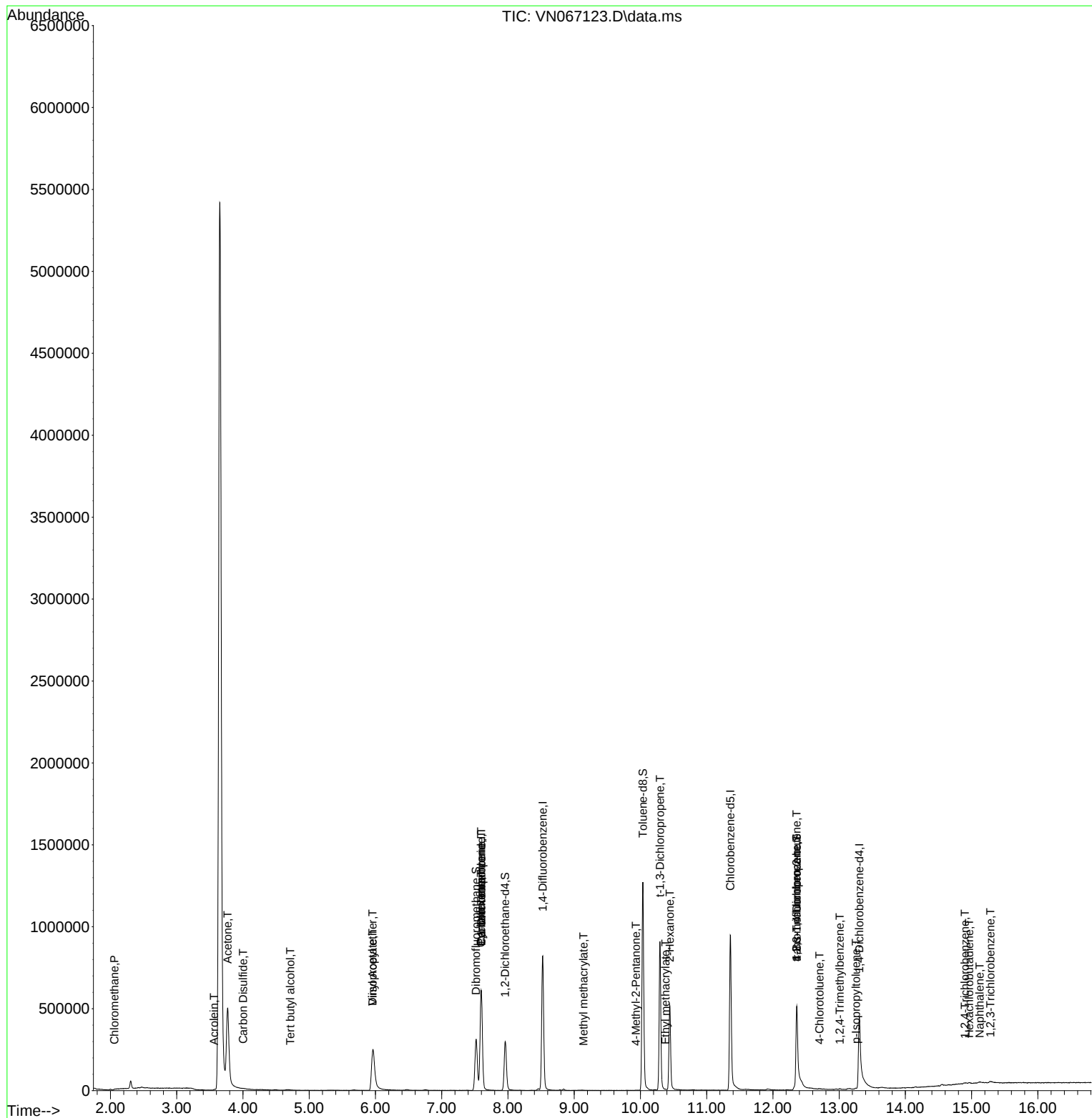
Internal Standards						
1) Pentafluorobenzene	7.597	168	601275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	825745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	681688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	238424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	265631	40.89	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	81.78%		
35) Dibromofluoromethane	7.519	113	254787	46.99	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.98%		
50) Toluene-d8	10.038	98	964530	46.94	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.88%		
62) 4-Bromofluorobenzene	12.360	95	268773	39.05	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	78.10%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.059	50	1793	0.27	ug/l	98
11) Tert butyl alcohol	4.714	59	475	0.44	ug/l #	87
13) Acrolein	3.563	56	2641	0.35	ug/l #	16
16) Acetone	3.770	43	771607	382.20	ug/l #	86
17) Carbon Disulfide	4.000	76	3311	0.22	ug/l #	78
22) Diisopropyl ether	5.958	45	23728	1.47	ug/l #	1
23) Vinyl Acetate	5.958	43	50849	3.62	ug/l #	69
31) Cyclohexane	7.594	56	8804	0.98	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	34410	4.57	ug/l #	43
38) Carbon Tetrachloride	7.597	117	49995	6.23	ug/l #	15
48) Methyl methacrylate	9.142	41	53	1.95	ug/l #	1
51) 4-Methyl-2-Pentanone	9.933	43	1247	5.58	ug/l	92
53) t-1,3-Dichloropropene	10.295	75	1801	0.20	ug/l #	43
56) Ethyl methacrylate	10.378	69	106	1.95	ug/l #	31
59) 2-Hexanone	10.445	43	36831	29.76	ug/l	94
76) 1,2,3-Trichloropropane	12.360	75	123640	24.57	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.360	75	123640	73.36	ug/l #	15
82) 4-Chlorotoluene	12.703	91	83	1.19	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.009	105	3773	0.25	ug/l	91
86) p-Isopropyltoluene	13.253	119	4747	0.29	ug/l	79
93) 1,2,4-Trichlorobenzene	14.900	180	4491	1.06	ug/l	82
94) Hexachlorobutadiene	14.964	225	1243	0.43	ug/l	91
95) Naphthalene	15.123	128	5968	3.81	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.286	180	5779	1.48	ug/l #	89

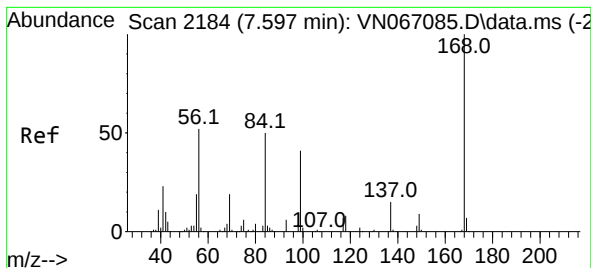
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
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Response via : Initial Calibration

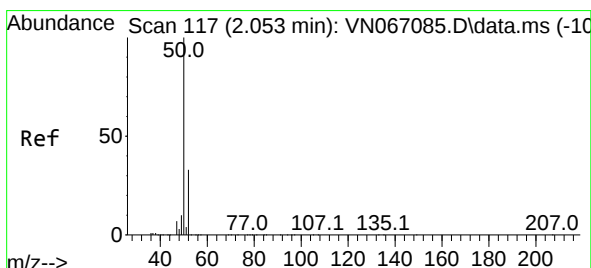
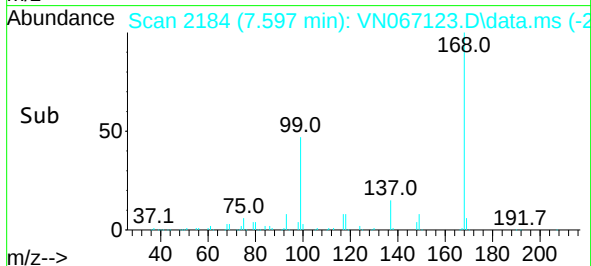
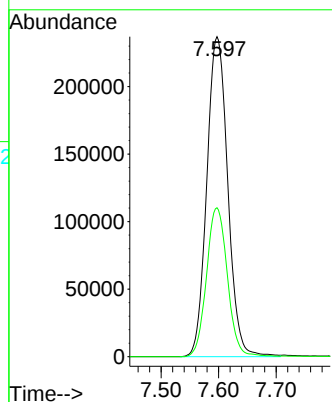
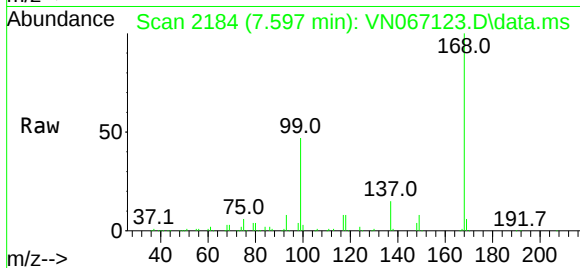




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

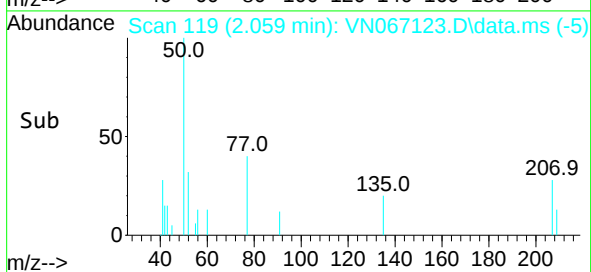
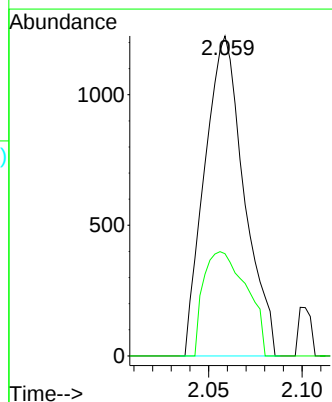
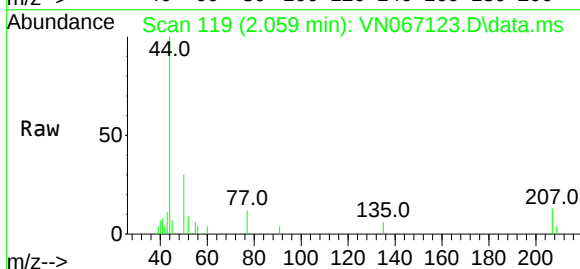
Instrument :
MSVOA_N
ClientSampled :

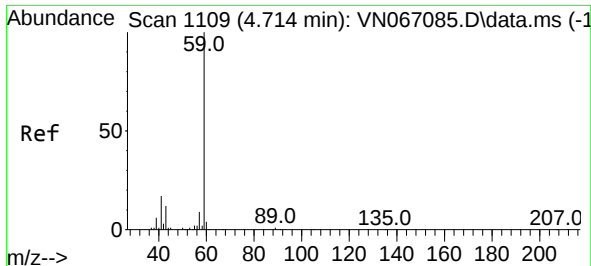
Tgt Ion:168 Resp: 601275
Ion Ratio Lower Upper
168 100
99 46.6 38.5 57.7



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.059 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion: 50 Resp: 1793
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7



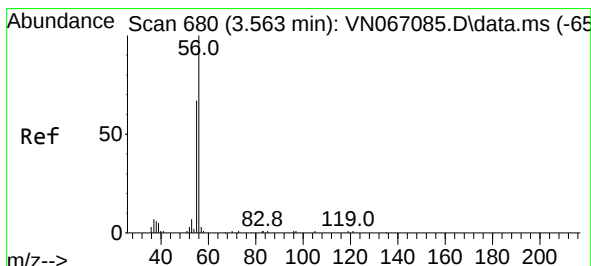
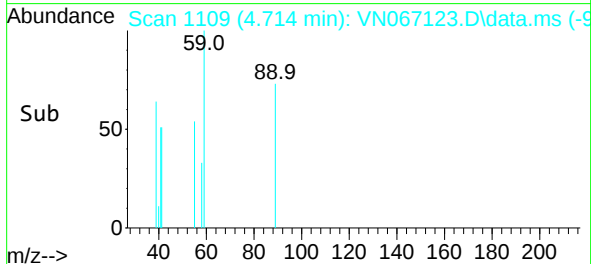
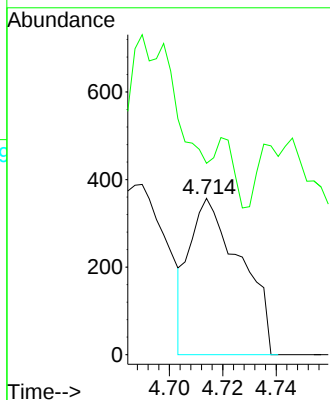
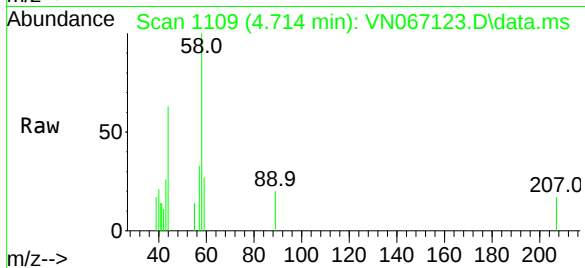


#11

Tert butyl alcohol
Concen: 0.44 ug/l
RT: 4.714 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Instrument :
MSVOA_N
ClientSampled :

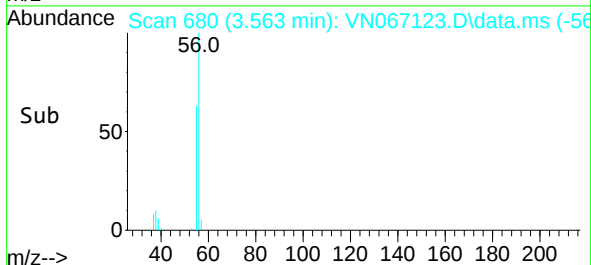
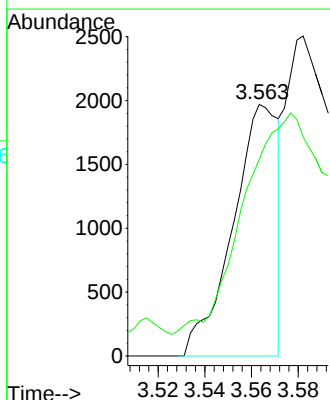
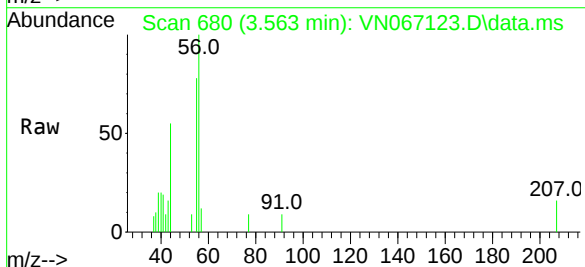
Tgt Ion: 59 Resp: 475
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

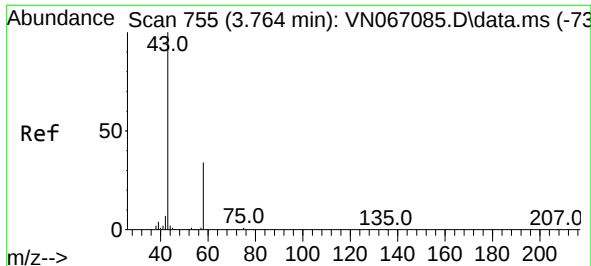


#13

Acrolein
Concen: 0.35 ug/l
RT: 3.563 min Scan# 680
Delta R.T. 0.000 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion: 56 Resp: 2641
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.6#

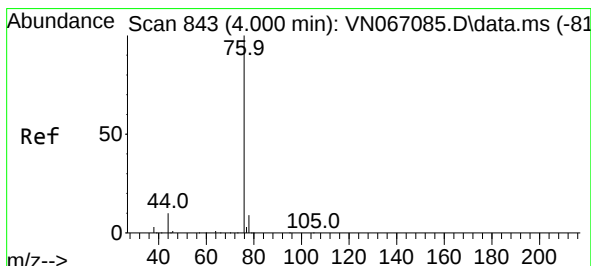
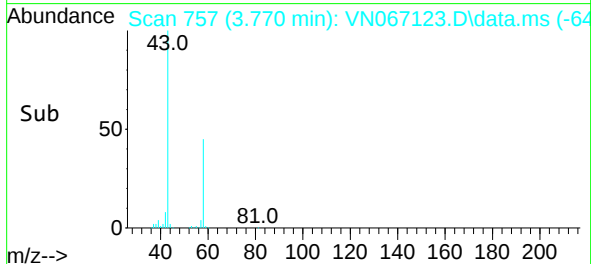
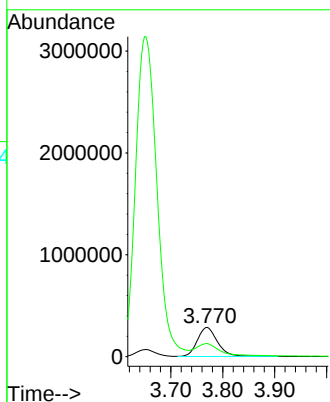
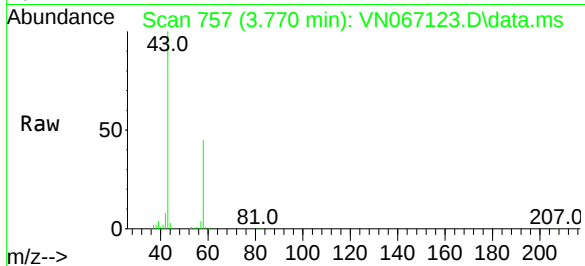




#16
Acetone
Concen: 382.20 ug/l
RT: 3.770 min Scan# 757
Delta R.T. 0.006 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

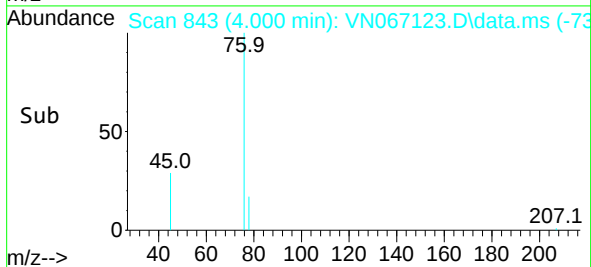
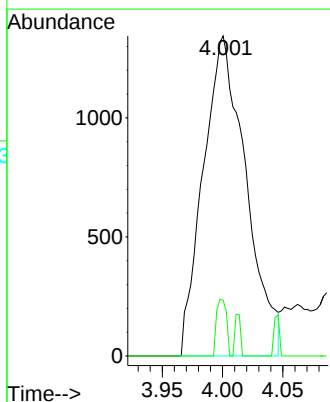
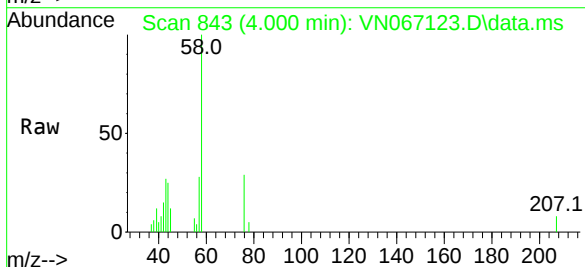
Instrument :
MSVOA_N
ClientSampled :

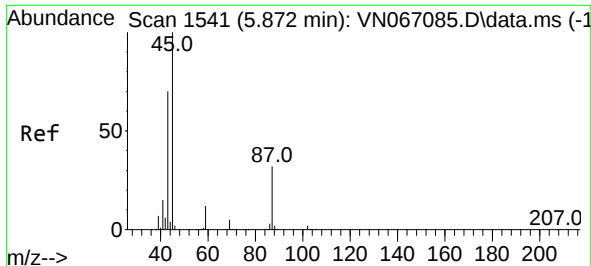
Tgt Ion: 43 Resp: 771607
Ion Ratio Lower Upper
43 100
58 42.1 27.2 40.8#



#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 4.000 min Scan# 843
Delta R.T. 0.000 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

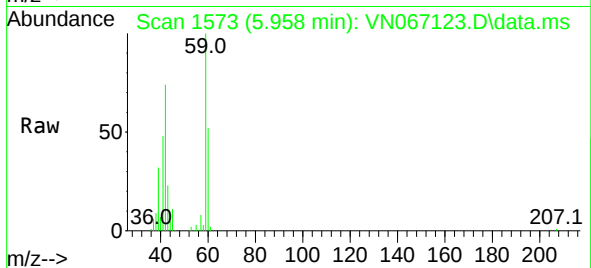
Tgt Ion: 76 Resp: 3311
Ion Ratio Lower Upper
76 100
78 17.4 7.5 11.3#



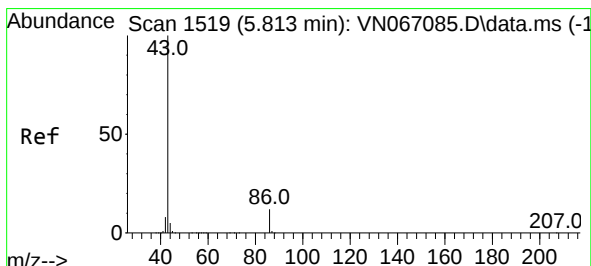
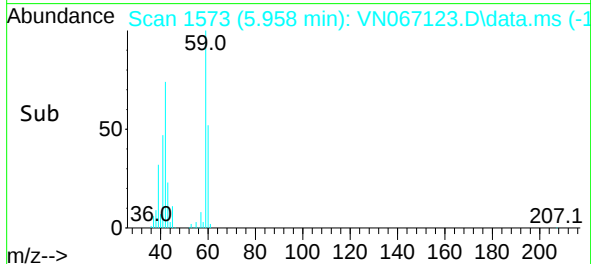
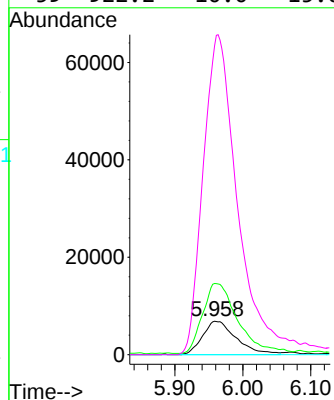


#22
Diisopropyl ether
Concen: 1.47 ug/l
RT: 5.958 min Scan# 1573
Delta R.T. 0.086 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Instrument :
MSVOA_N
ClientSampled :

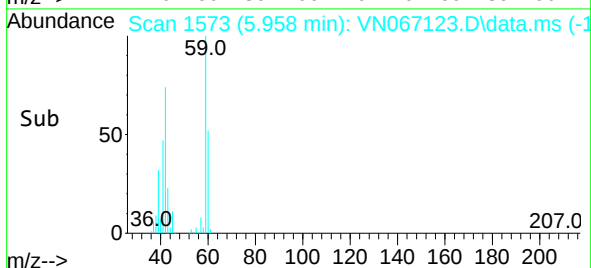
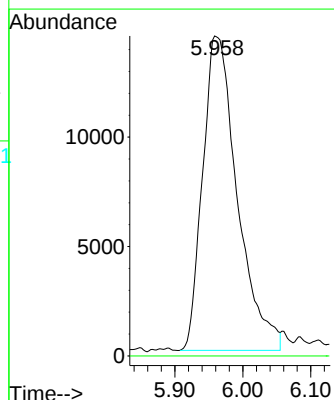
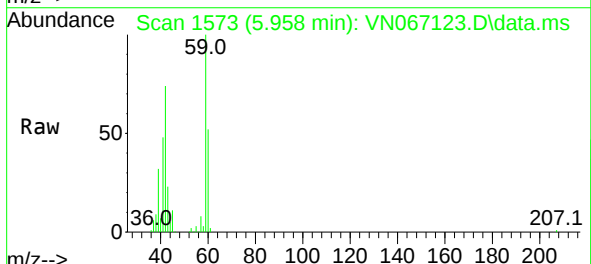


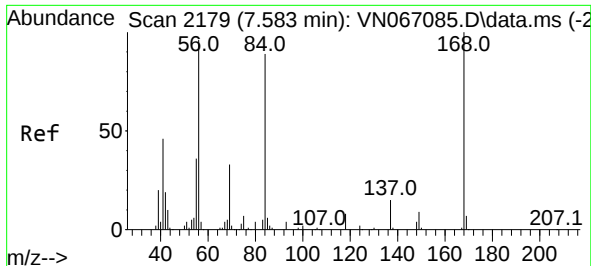
Tgt Ion	Ratio	Lower	Upper
45	100		
43	209.5	55.6	83.4#
87	0.0	26.5	39.7#
59	922.2	10.0	15.0#



#23
Vinyl Acetate
Concen: 3.62 ug/l
RT: 5.958 min Scan# 1573
Delta R.T. 0.145 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

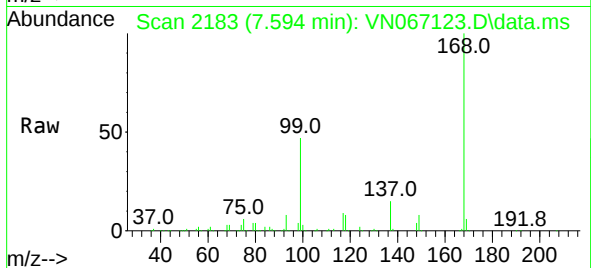
Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.5	14.3#



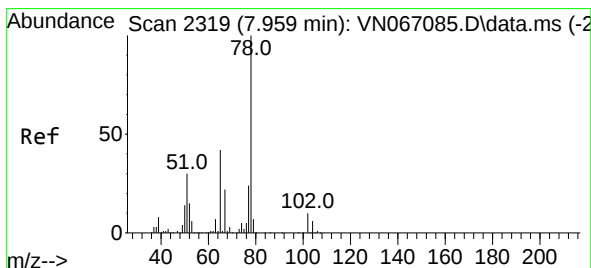
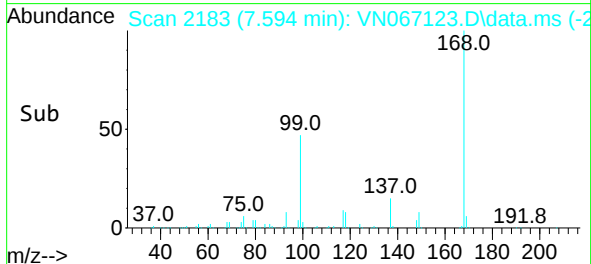
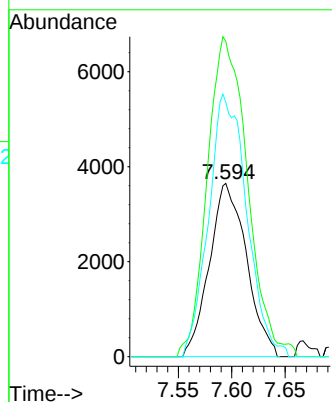


#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. 0.011 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Instrument :
MSVOA_N
ClientSampleId :

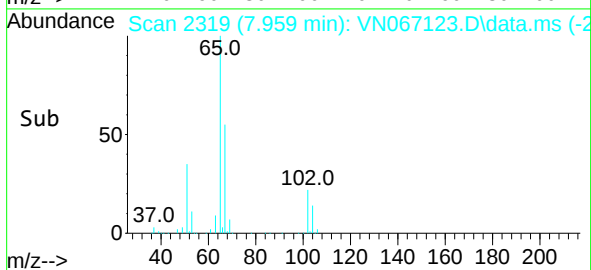
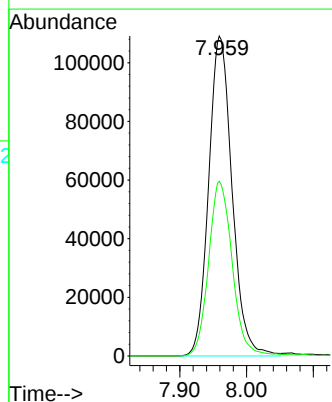
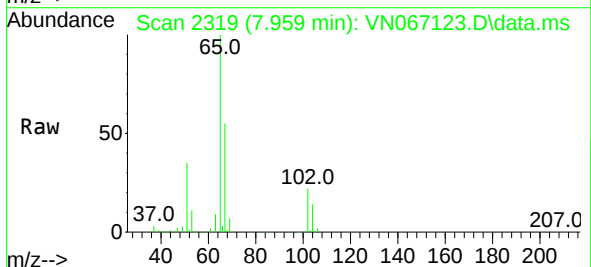


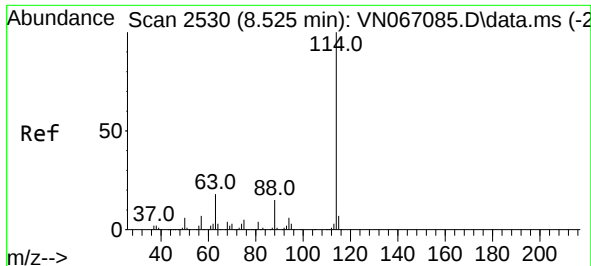
Tgt Ion: 56 Resp: 8804
Ion Ratio Lower Upper
56 100
69 176.9 28.0 42.0#
84 147.0 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 40.89 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. 0.000 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion: 65 Resp: 265631
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.4

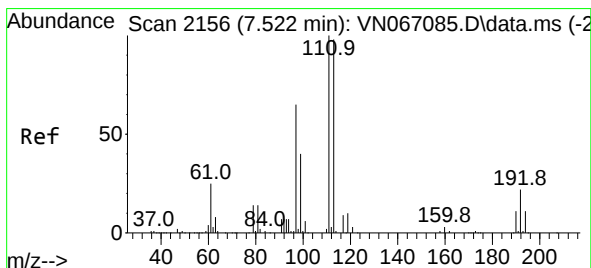
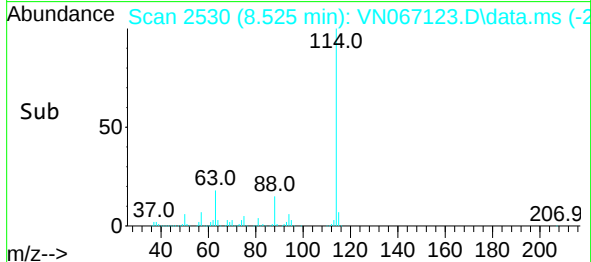
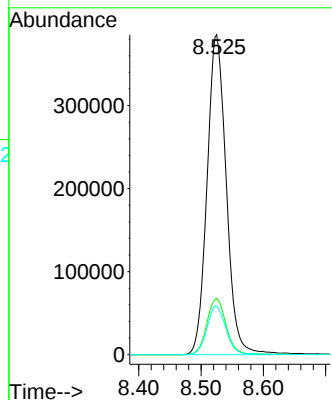
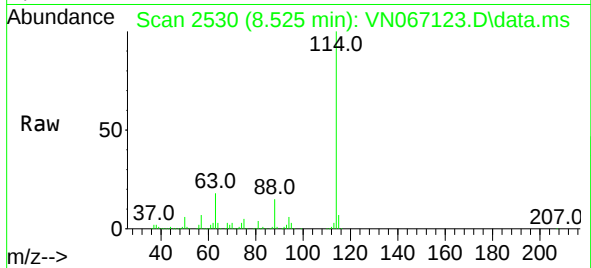




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

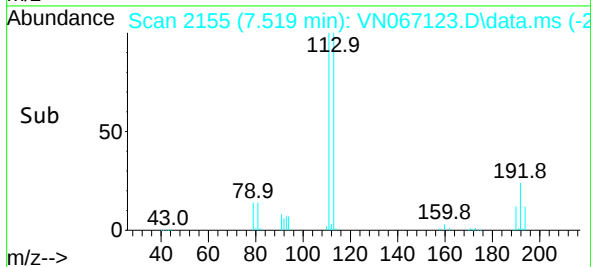
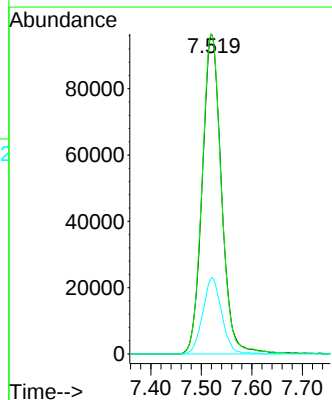
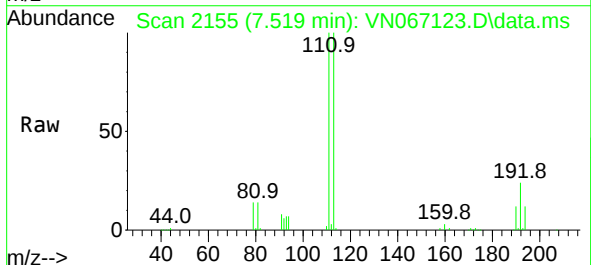
Instrument :
MSVOA_N
ClientSampleId :

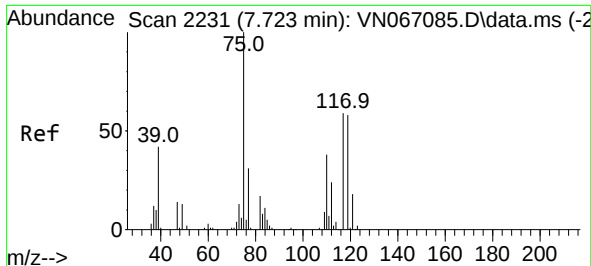
Tgt Ion:114 Resp: 825745
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.8
88 15.2 0.0 30.4



#35
Dibromofluoromethane
Concen: 46.99 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion:113 Resp: 254787
Ion Ratio Lower Upper
113 100
111 99.2 82.6 124.0
192 23.3 18.2 27.4

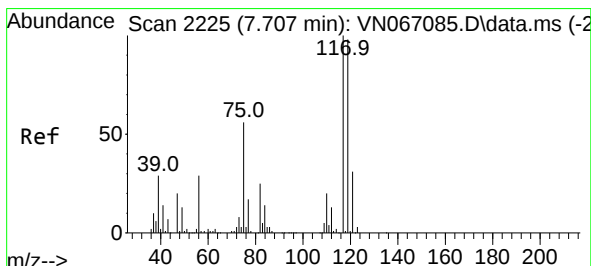
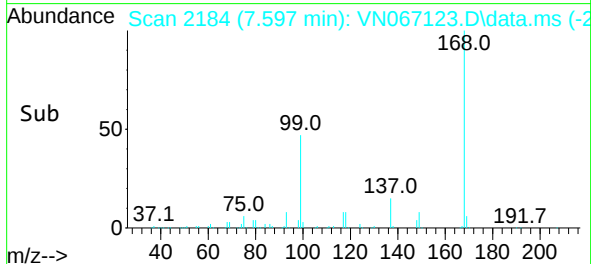
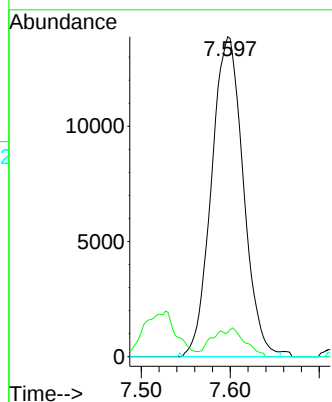
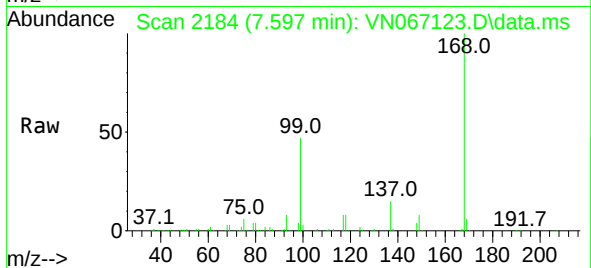




#36
1,1-Dichloropropene
Concen: 4.57 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

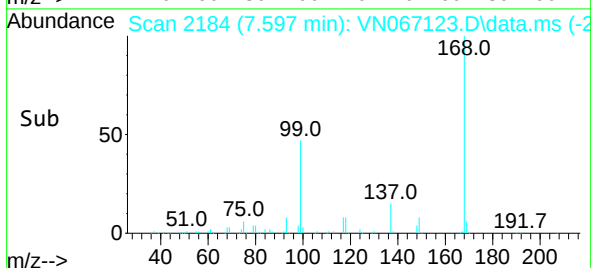
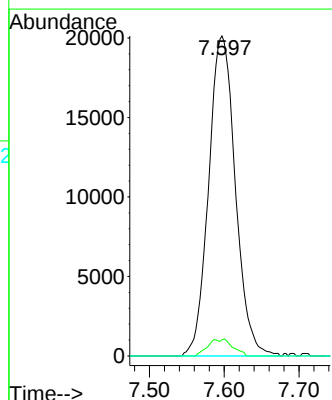
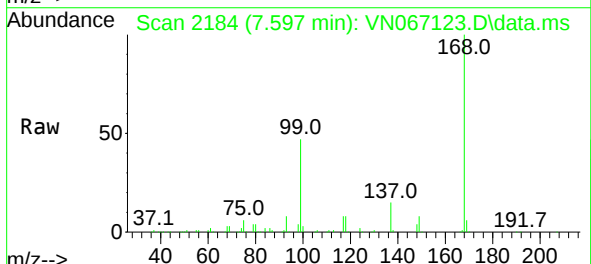
Instrument :
MSVOA_N
ClientSampleId :

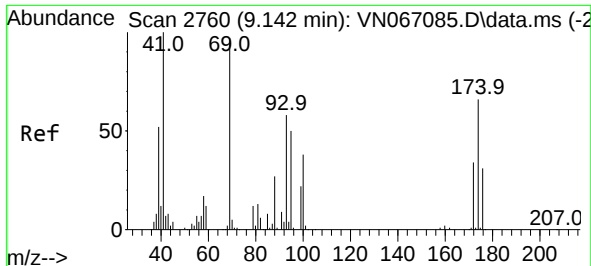
Tgt Ion: 75 Resp: 34410
Ion Ratio Lower Upper
75 100
110 3.0 19.1 57.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.110 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion: 117 Resp: 49995
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 1.95 ug/l

RT: 9.142 min Scan# 2760

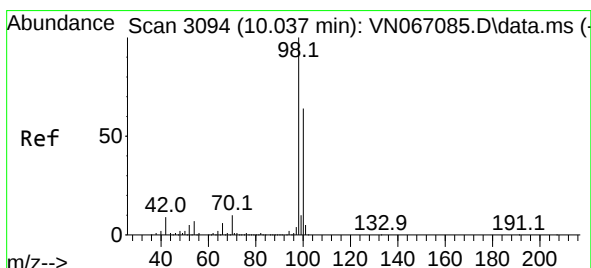
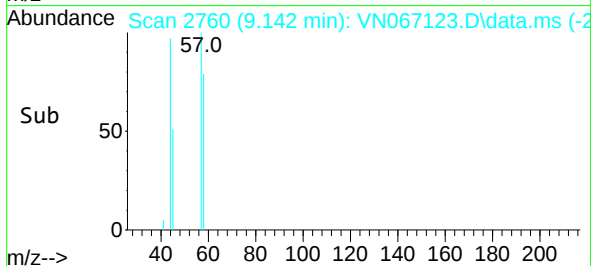
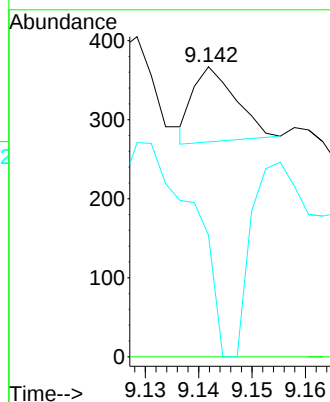
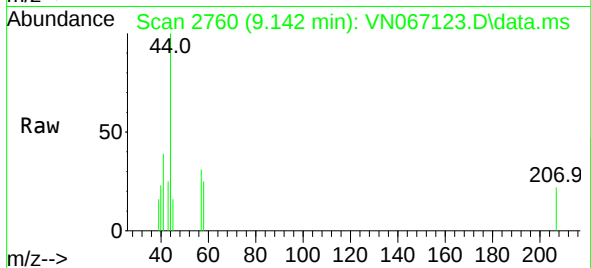
Delta R.T. -0.000 min

Lab File: VN067123.D

Acq: 18 May 2021 13:33

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	41	Resp:	53
Ion	Ratio	Lower	Upper
41	100		
69	0.0	80.5	120.7#
39	377.4	41.4	62.0#



#50

Toluene-d8

Concen: 46.94 ug/l

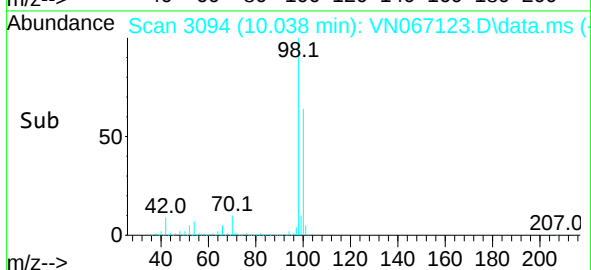
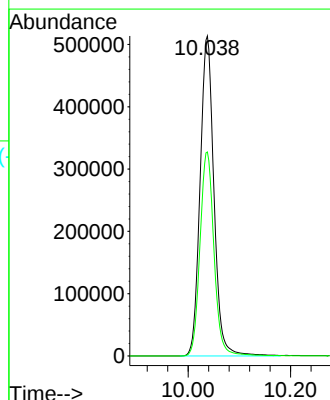
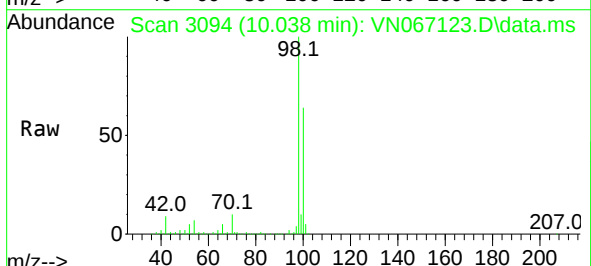
RT: 10.038 min Scan# 3094

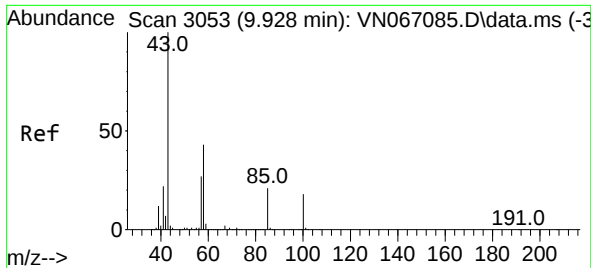
Delta R.T. 0.001 min

Lab File: VN067123.D

Acq: 18 May 2021 13:33

Tgt Ion:	98	Resp:	964530
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

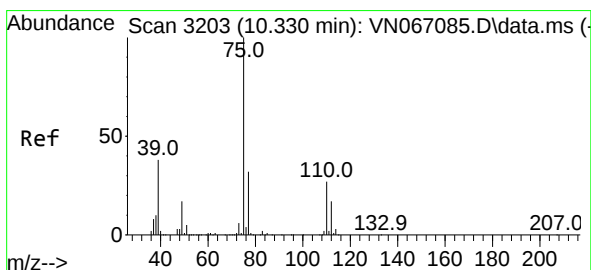
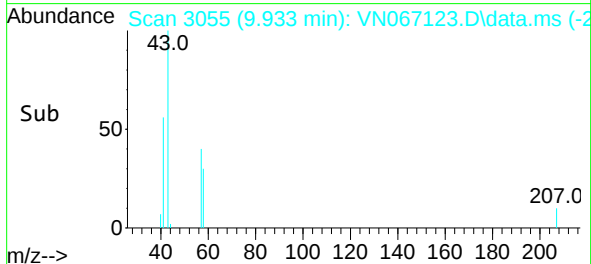
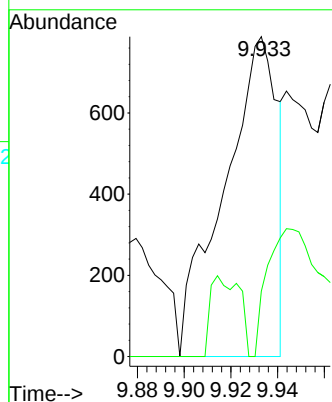
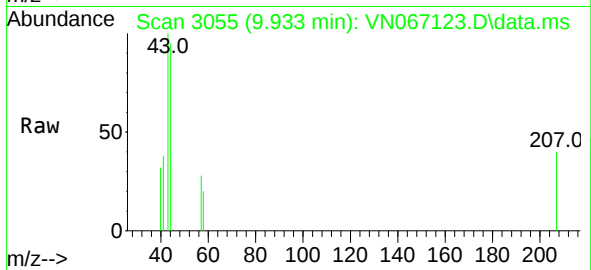




#51
4-Methyl-2-Pentanone
Concen: 5.58 ug/l
RT: 9.933 min Scan# 3055
Delta R.T. 0.005 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

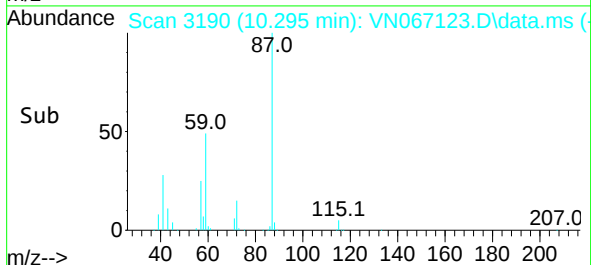
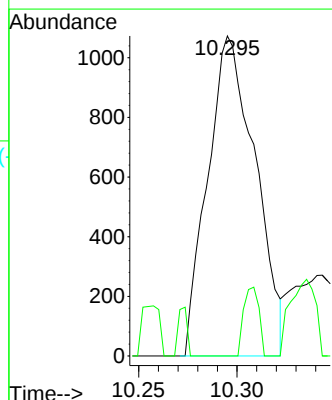
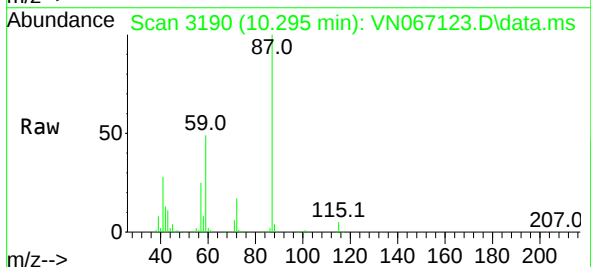
Instrument :
MSVOA_N
ClientSampled :

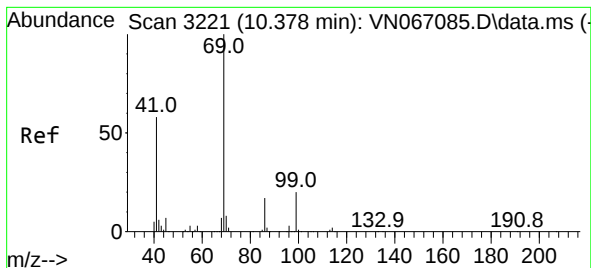
Tgt Ion: 43 Resp: 1247
Ion Ratio Lower Upper
43 100
58 38.2 34.5 51.7



#53
t-1,3-Dichloropropene
Concen: 0.20 ug/l
RT: 10.295 min Scan# 3190
Delta R.T. -0.035 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion: 75 Resp: 1801
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

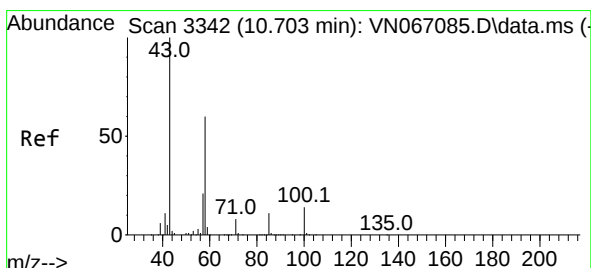
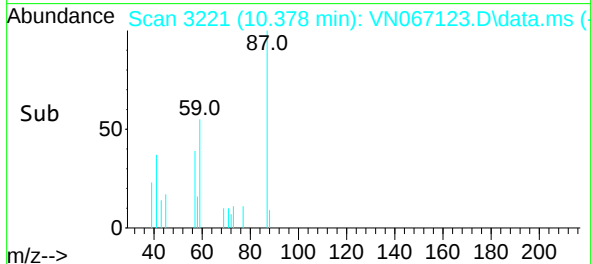
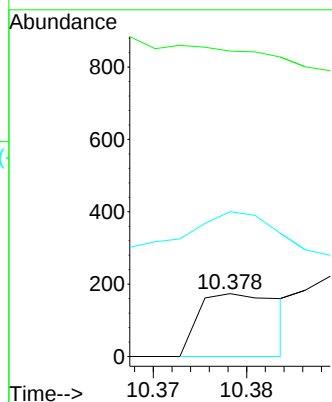
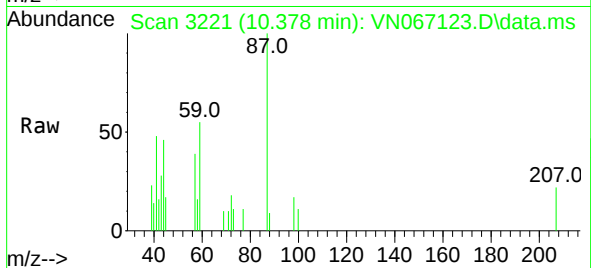




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.378 min Scan# 3221
Delta R.T. 0.000 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

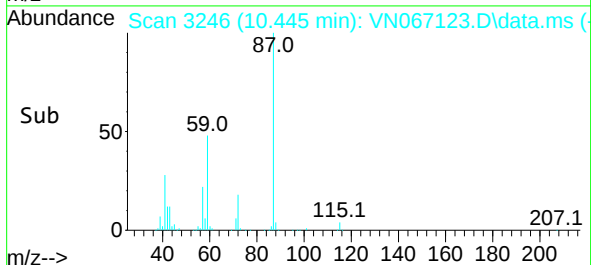
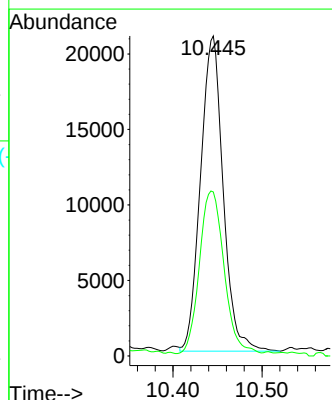
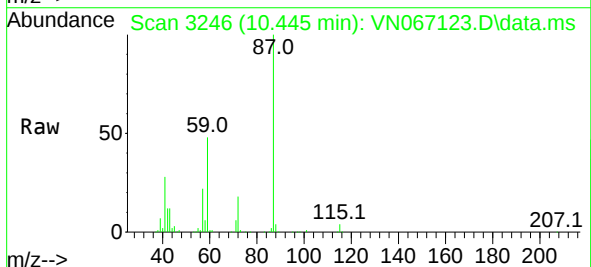
Instrument :
MSVOA_N
ClientSampleId :

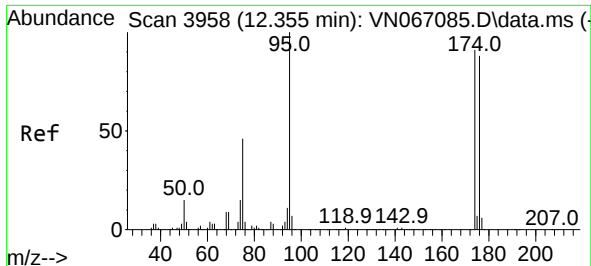
Tgt Ion: 69 Resp: 106
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#



#59
2-Hexanone
Concen: 29.76 ug/l
RT: 10.445 min Scan# 3246
Delta R.T. -0.258 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion: 43 Resp: 36831
Ion Ratio Lower Upper
43 100
58 55.3 29.8 89.5

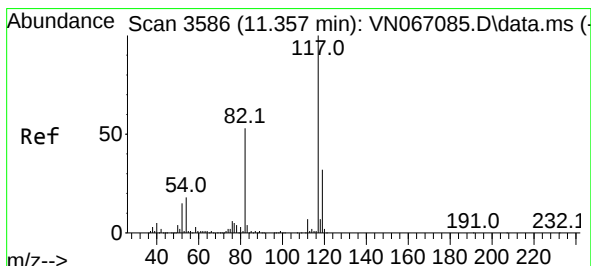
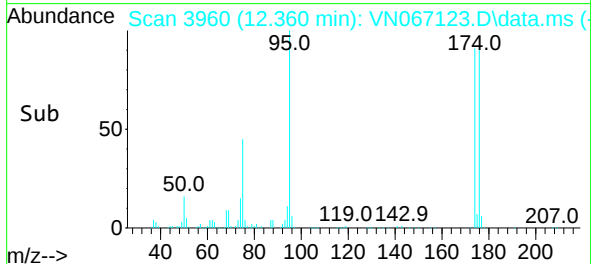
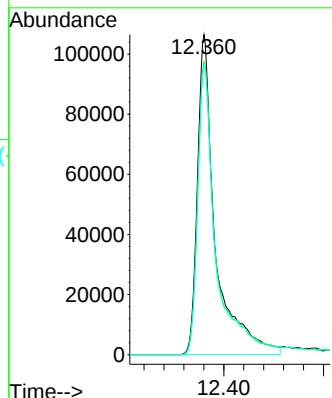
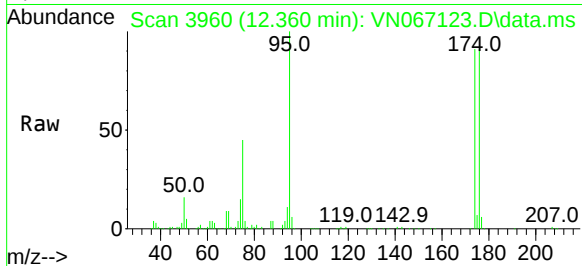




#62
4-Bromofluorobenzene
Concen: 39.05 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

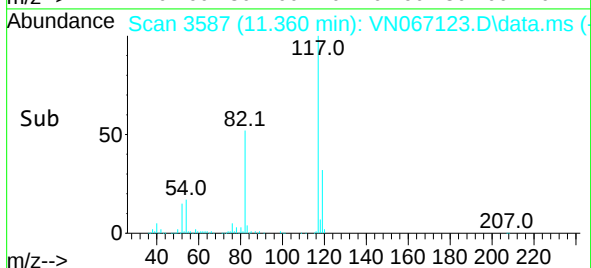
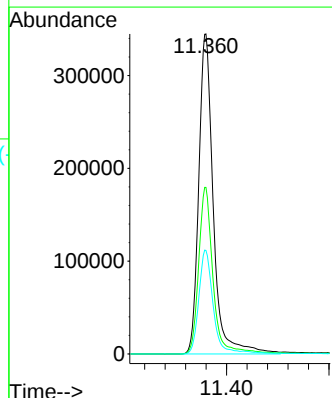
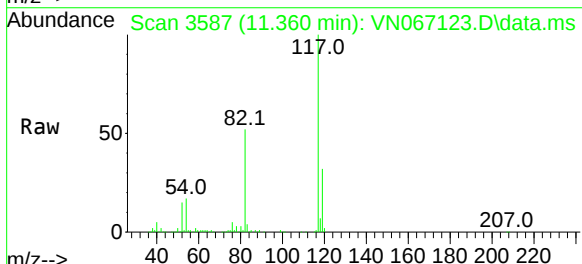
Instrument :
MSVOA_N
ClientSampleId :

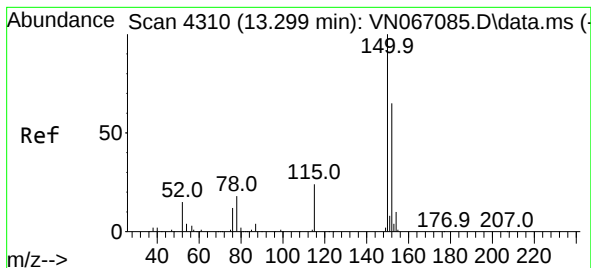
Tgt Ion: 95 Resp: 268773
Ion Ratio Lower Upper
95 100
174 93.0 0.0 182.8
176 89.2 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion: 117 Resp: 681688
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.2
119 32.4 25.8 38.6

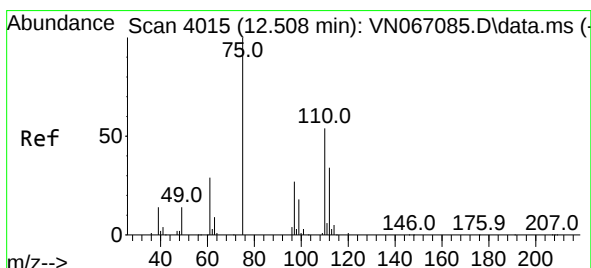
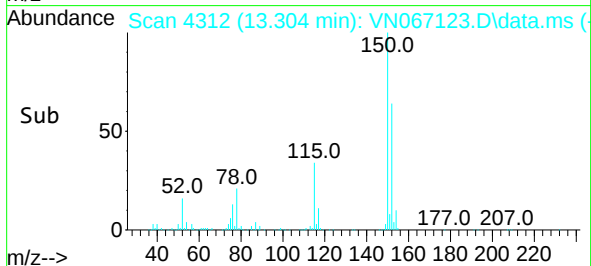
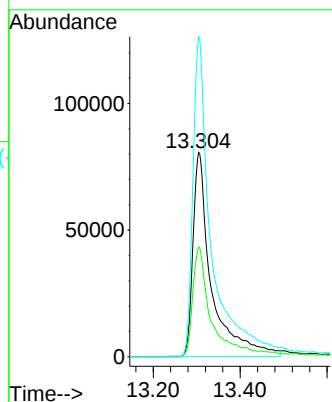
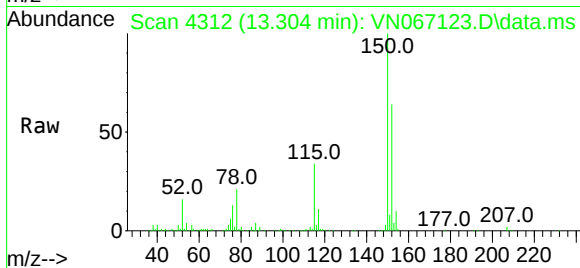




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.304 min Scan# 4312
Delta R.T. 0.005 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

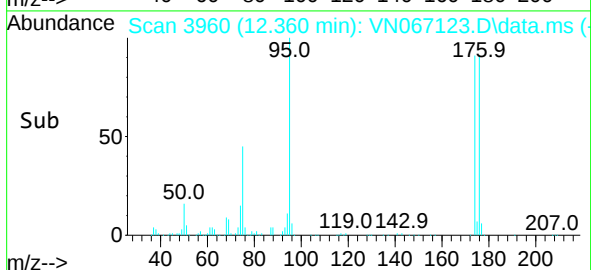
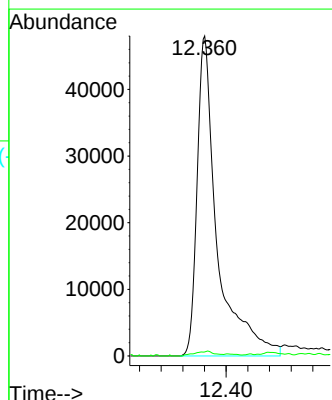
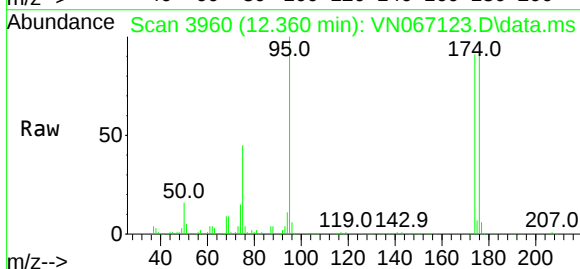
Instrument :
MSVOA_N
ClientSampleId :

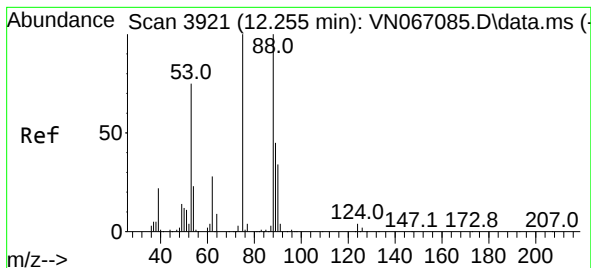
Tgt Ion:152 Resp: 238424
Ion Ratio Lower Upper
152 100
115 51.7 27.0 80.8
150 159.4 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 24.57 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. -0.148 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

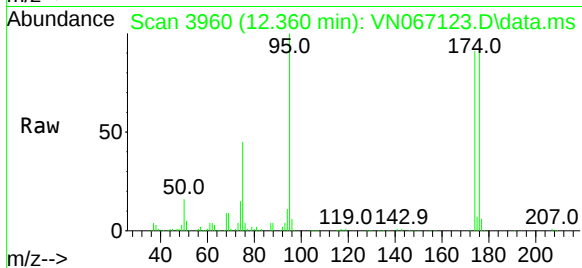
Tgt Ion: 75 Resp: 123640
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



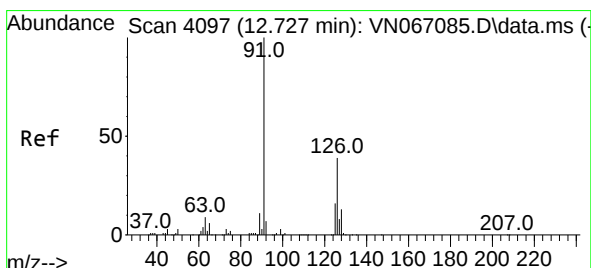
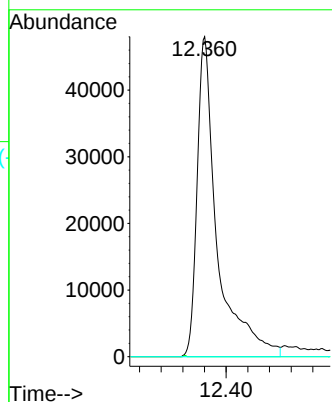
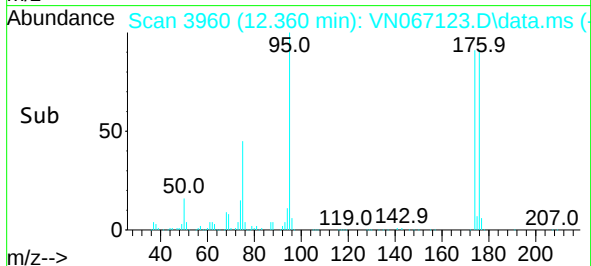


#81
trans-1,4-Dichloro-2-butene
Concen: 73.36 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

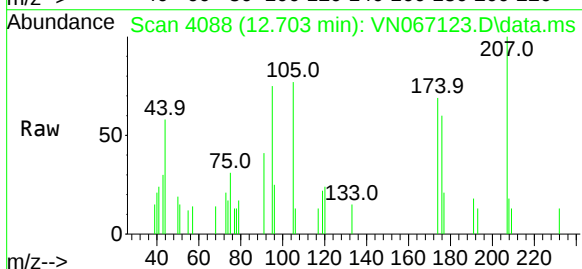
Instrument :
MSVOA_N
ClientSampleId :



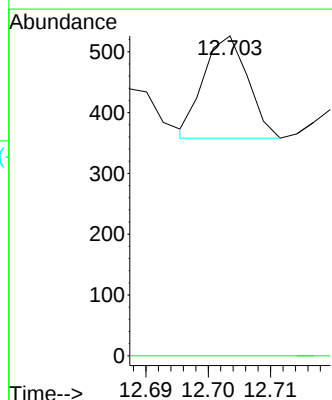
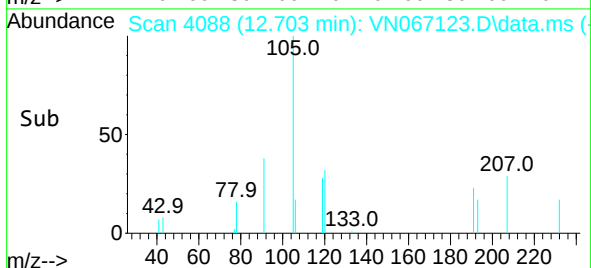
Tgt Ion: 75 Resp: 123640
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

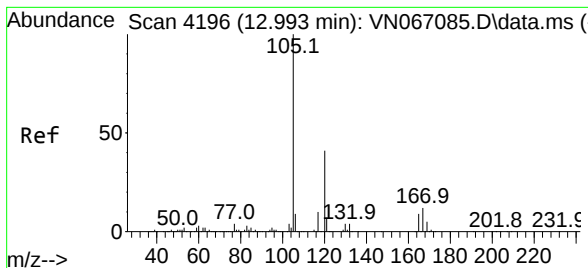


#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.703 min Scan# 4088
Delta R.T. -0.024 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33



Tgt Ion: 91 Resp: 83
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#

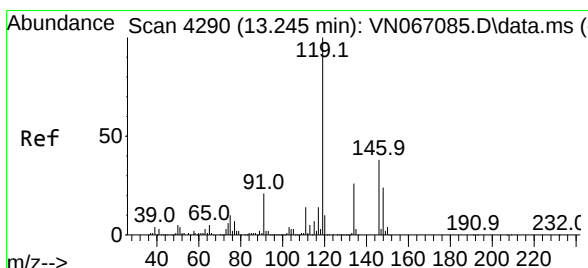
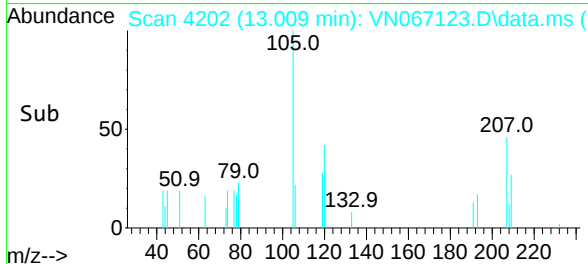
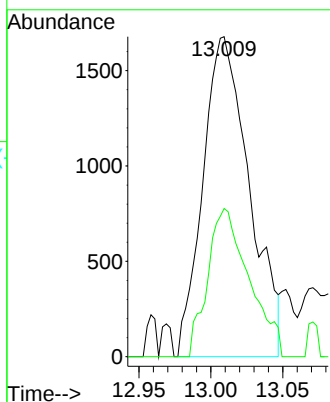
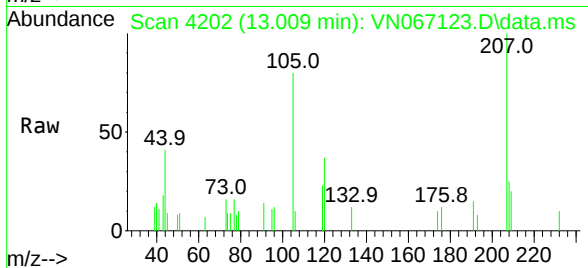




#84
1,2,4-Trimethylbenzene
Concen: 0.25 ug/l
RT: 13.009 min Scan# 4202
Delta R.T. 0.016 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

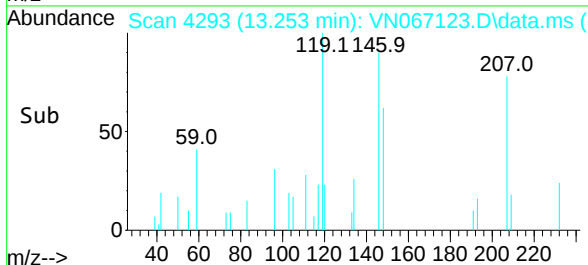
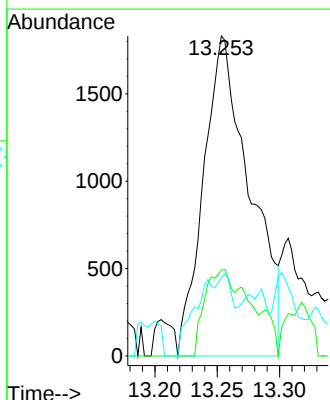
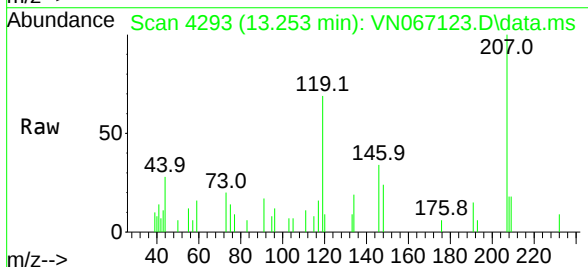
Instrument :
MSVOA_N
ClientSampled :

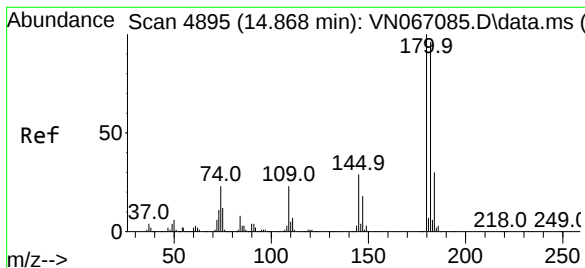
Tgt Ion:105 Resp: 3773
Ion Ratio Lower Upper
105 100
120 41.2 23.8 71.2



#86
p-Isopropyltoluene
Concen: 0.29 ug/l
RT: 13.253 min Scan# 4293
Delta R.T. 0.008 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion:119 Resp: 4747
Ion Ratio Lower Upper
119 100
134 16.0 13.3 39.9
91 11.2 10.7 32.1

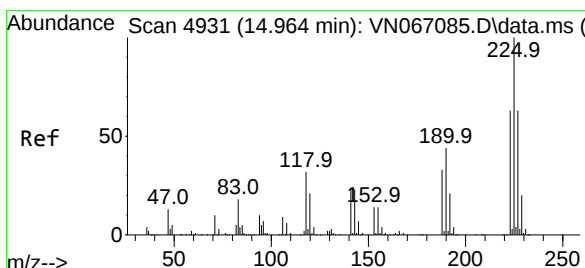
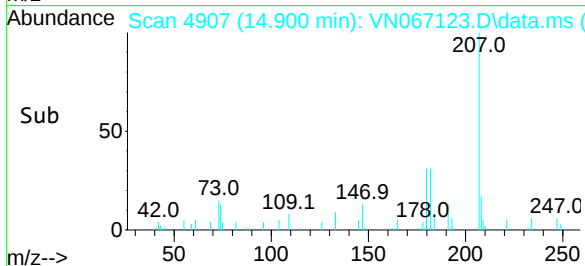
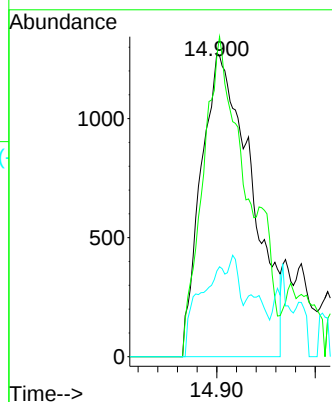
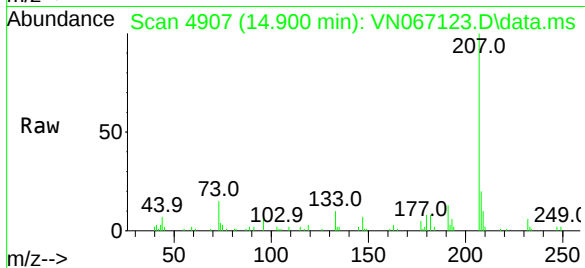




#93
 1,2,4-Trichlorobenzene
 Concen: 1.06 ug/l
 RT: 14.900 min Scan# 4907
 Delta R.T. 0.032 min
 Lab File: VN067123.D
 Acq: 18 May 2021 13:33

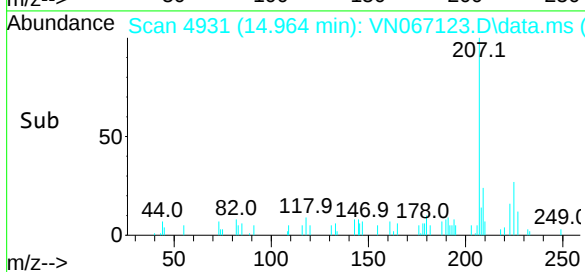
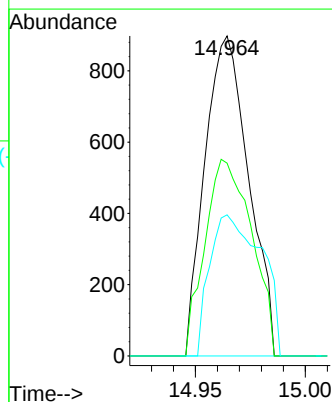
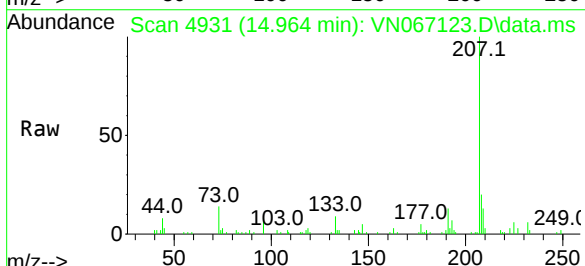
Instrument :
 MSVOA_N
 ClientSampled :

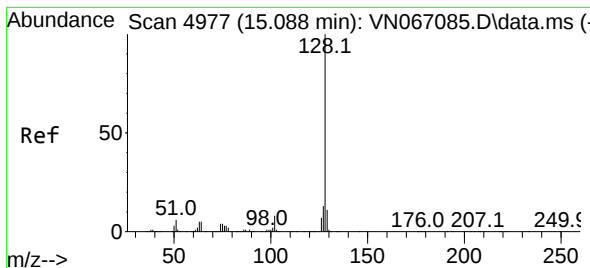
Tgt Ion:180 Resp: 4491
 Ion Ratio Lower Upper
 180 100
 182 78.7 47.3 141.8
 145 15.5 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 0.43 ug/l
 RT: 14.964 min Scan# 4931
 Delta R.T. 0.000 min
 Lab File: VN067123.D
 Acq: 18 May 2021 13:33

Tgt Ion:225 Resp: 1243
 Ion Ratio Lower Upper
 225 100
 223 65.6 31.7 95.1
 227 51.9 31.7 95.1

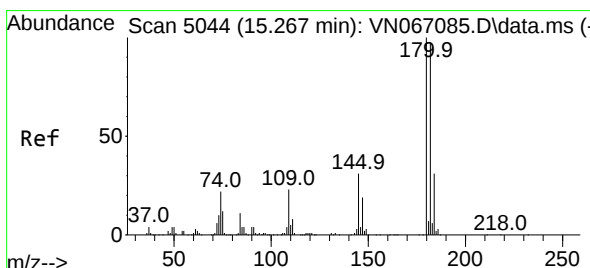
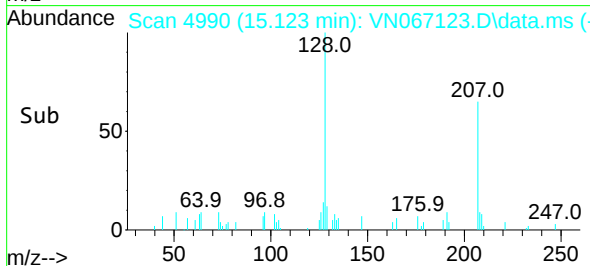
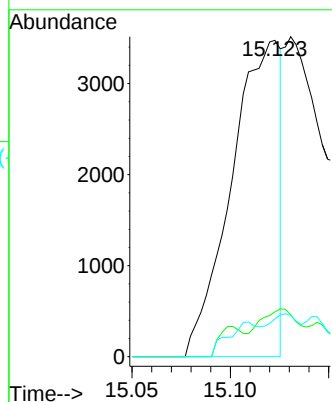
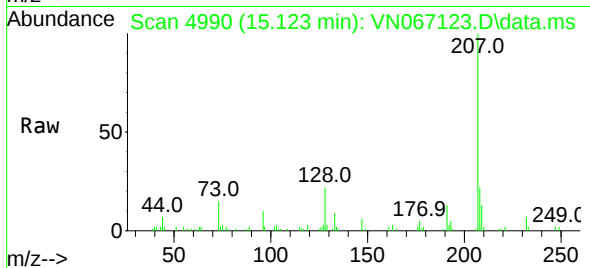




#95
Naphthalene
Concen: 3.81 ug/l
RT: 15.123 min Scan# 4990
Delta R.T. 0.035 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 5968
Ion Ratio Lower Upper
128 100
127 6.7 10.2 15.2#
129 2.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.48 ug/l
RT: 15.286 min Scan# 5051
Delta R.T. 0.019 min
Lab File: VN067123.D
Acq: 18 May 2021 13:33

Tgt Ion:180 Resp: 5779
Ion Ratio Lower Upper
180 100
182 94.2 48.5 145.6
145 11.8 15.4 46.2#

