

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067103.D
 Acq On : 17 May 2021 15:52
 Operator : JC/MD
 Sample : M2387-06 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:09:17 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	7.602	168	668372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	959382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	802683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	319666	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	312967	43.34	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	86.68%
35) Dibromofluoromethane	7.522	113	290011	46.04	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.08%
50) Toluene-d8	10.038	98	1102128	46.16	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	92.32%
62) 4-Bromofluorobenzene	12.360	95	331248	41.42	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	82.84%

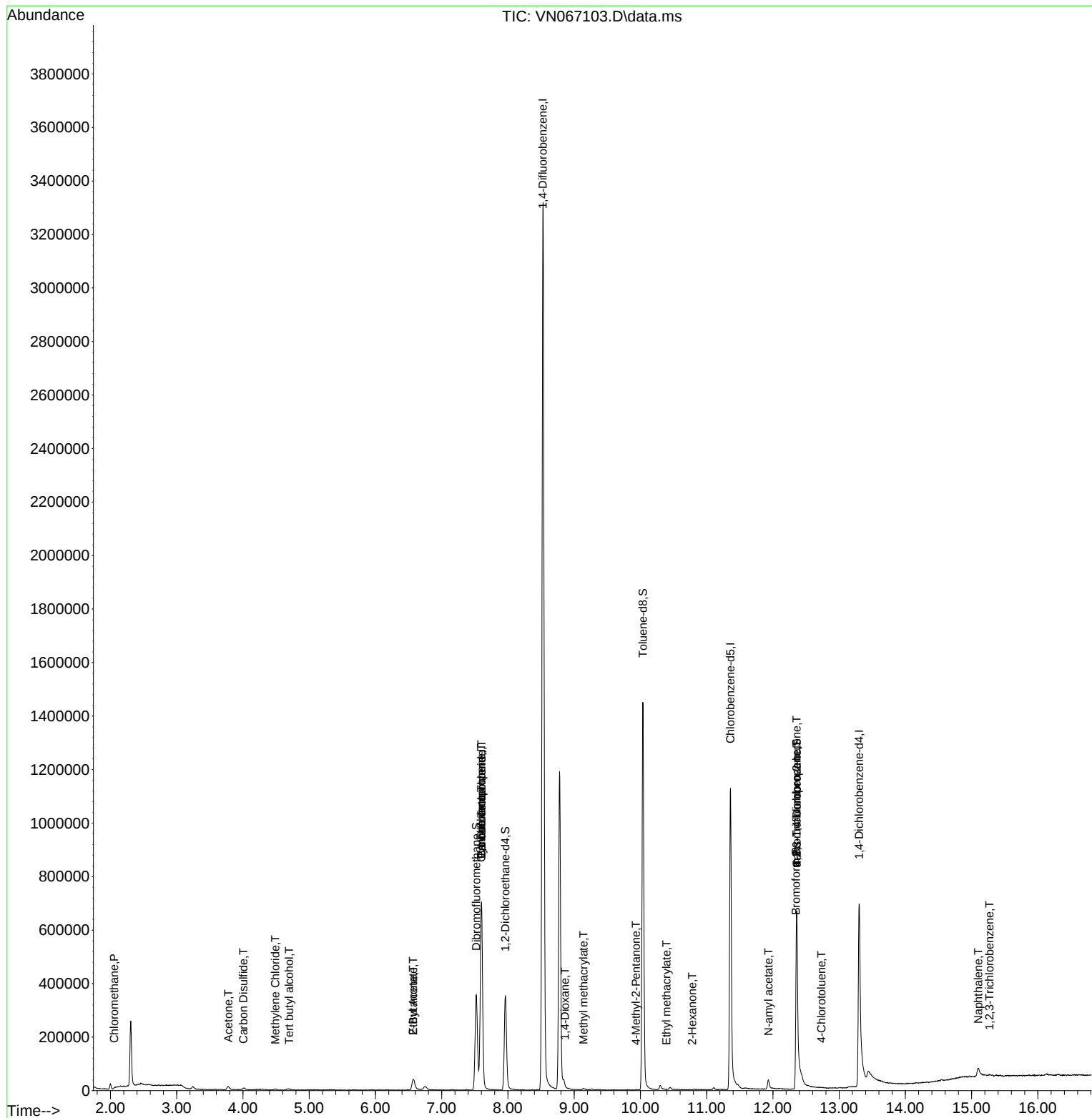
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.056	50	2345	0.32	ug/l	90
11) Tert butyl alcohol	4.695	59	1938	1.61	ug/l #	68
13) Acrolein	3.563	56	720	Below Cal	#	67
16) Acetone	3.778	43	21186	9.44	ug/l	99
17) Carbon Disulfide	4.006	76	4883	0.29	ug/l #	95
20) Methylene Chloride	4.489	84	2951	0.48	ug/l	91
25) 2-Butanone	6.570	43	94555	27.02	ug/l #	44
31) Cyclohexane	7.597	56	10210	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.600	75	40223	4.60	ug/l #	49
37) Ethyl Acetate	6.570	43	68796	8.90	ug/l #	65
38) Carbon Tetrachloride	7.602	117	56007	6.01	ug/l #	15
48) Methyl methacrylate	9.139	41	199	1.97	ug/l #	19
49) 1,4-Dioxane	8.860	88	78	0.85	ug/l #	27
51) 4-Methyl-2-Pentanone	9.933	43	680	5.49	ug/l	91
56) Ethyl methacrylate	10.394	69	380	1.98	ug/l #	37
59) 2-Hexanone	10.783	43	169	21.95	ug/l	85
71) Bromoform	12.350	173	77	1.78	ug/l #	28
74) N-amyl acetate	11.934	43	7054	1.59	ug/l #	16
76) 1,2,3-Trichloropropane	12.358	75	154264	22.87	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.358	75	154264	68.56	ug/l #	15
82) 4-Chlorotoluene	12.733	91	20	1.18	ug/l #	39
95) Naphthalene	15.099	128	43303	6.23	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.270	180	1679	0.32	ug/l	93

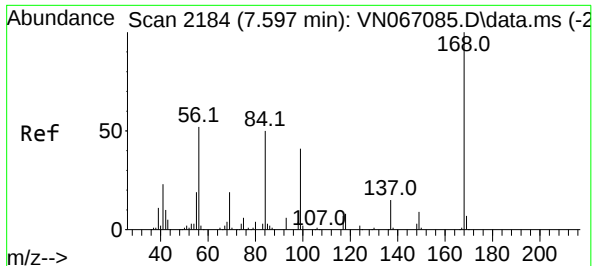
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 18 04:09:17 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

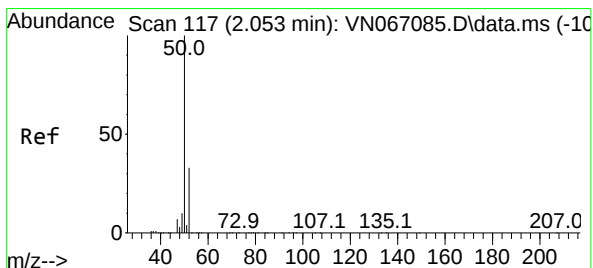
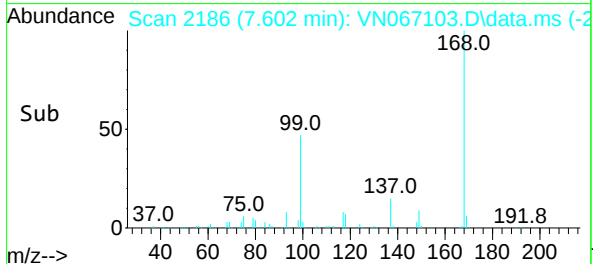
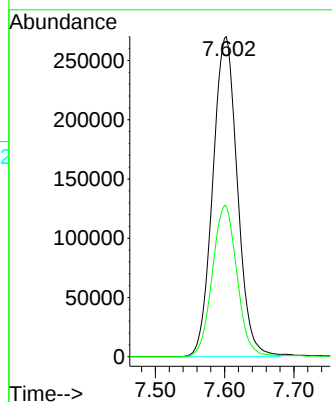
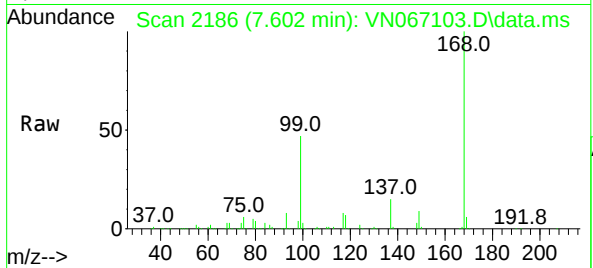




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.602 min Scan# 2186
Delta R.T. 0.005 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

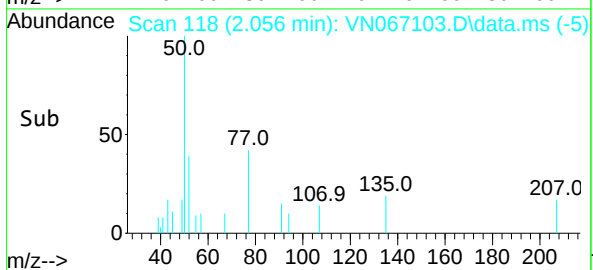
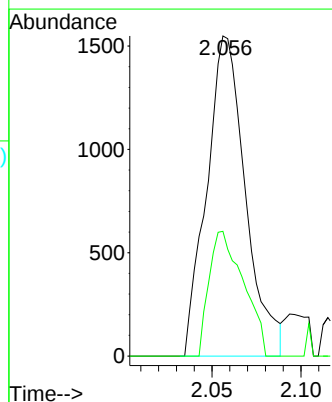
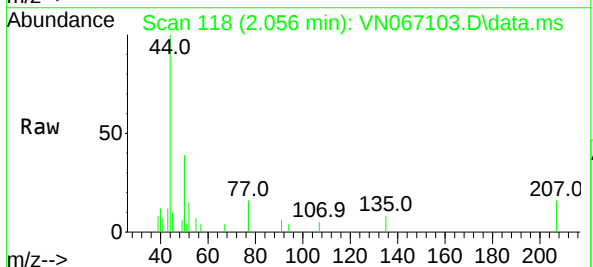
Instrument :
MSVOA_N
ClientSampled :

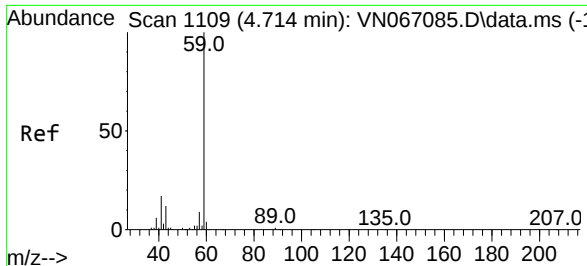
Tgt Ion:168 Resp: 668372
Ion Ratio Lower Upper
168 100
99 47.0 38.5 57.7



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 50 Resp: 2345
Ion Ratio Lower Upper
50 100
52 39.0 26.5 39.7



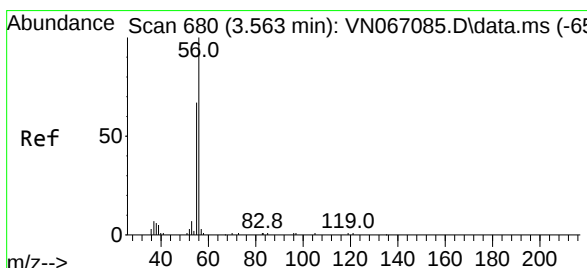
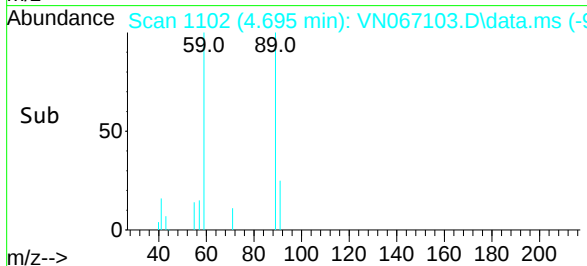
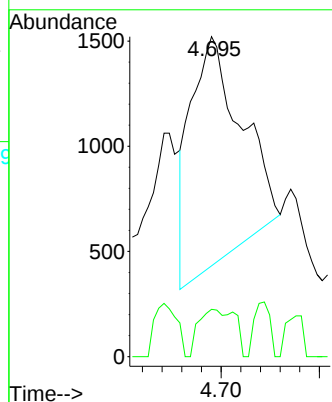
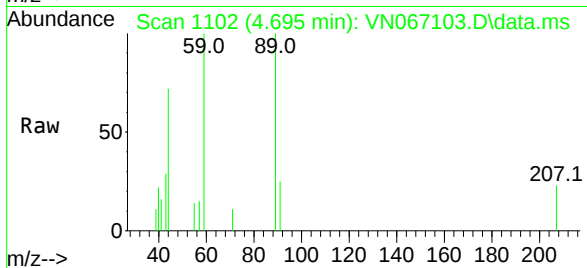


#11

Tert butyl alcohol
Concen: 1.61 ug/l
RT: 4.695 min Scan# 1102
Delta R.T. -0.019 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Instrument :
MSVOA_N
ClientSampled :

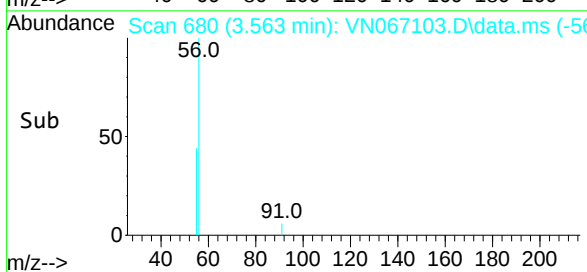
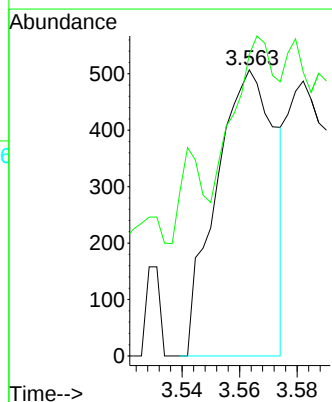
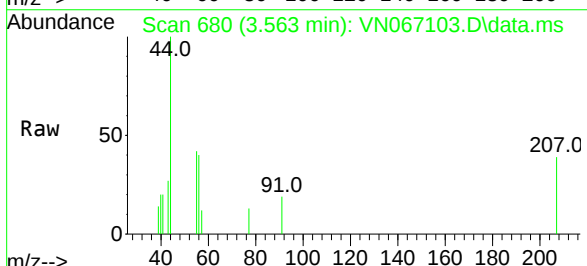
Tgt Ion: 59 Resp: 1938
Ion Ratio Lower Upper
59 100
57 14.8 3.5 5.3#

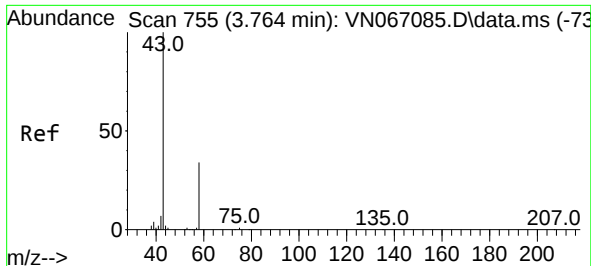


#13

Acrolein
Concen: Below Cal
RT: 3.563 min Scan# 680
Delta R.T. 0.000 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 56 Resp: 720
Ion Ratio Lower Upper
56 100
55 41.0 53.8 80.6#

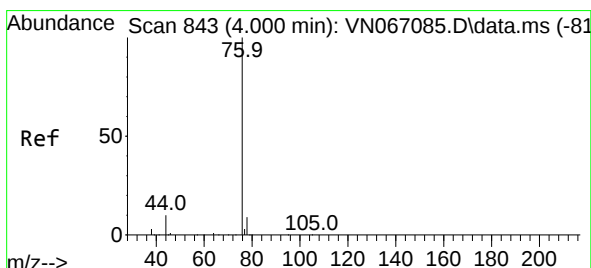
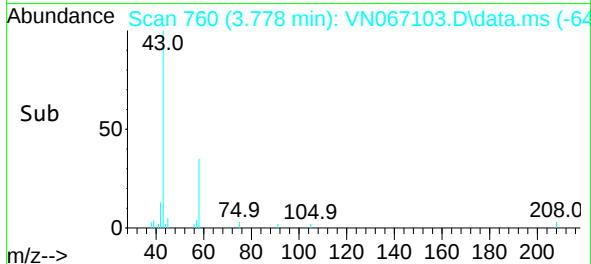
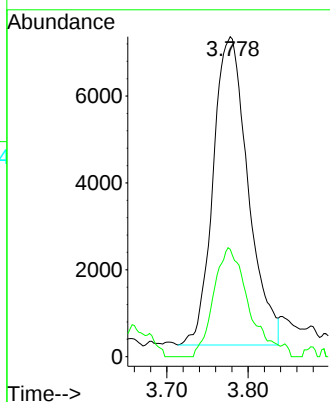
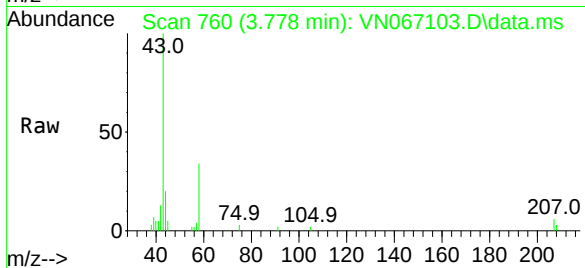




#16
Acetone
Concen: 9.44 ug/l
RT: 3.778 min Scan# 760
Delta R.T. 0.014 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

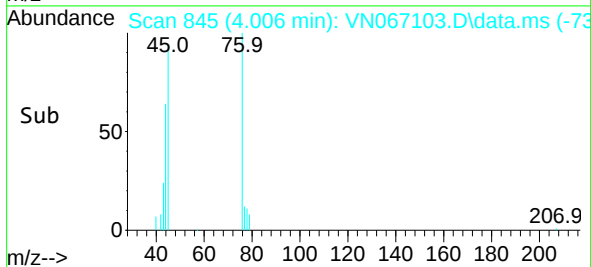
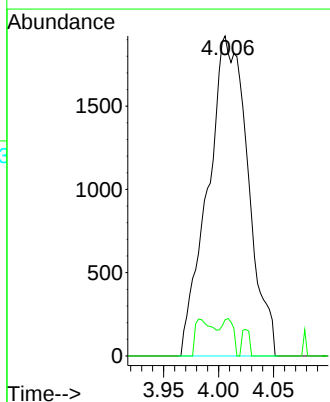
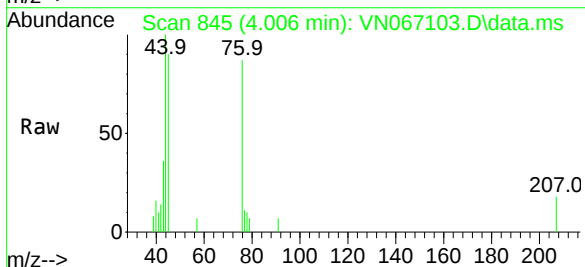
Instrument :
MSVOA_N
ClientSampled :

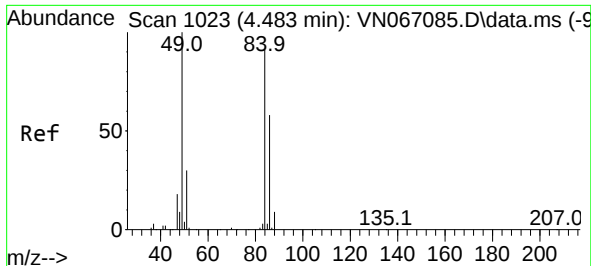
Tgt Ion: 43 Resp: 21186
Ion Ratio Lower Upper
43 100
58 34.8 27.2 40.8



#17
Carbon Disulfide
Concen: 0.29 ug/l
RT: 4.006 min Scan# 845
Delta R.T. 0.006 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

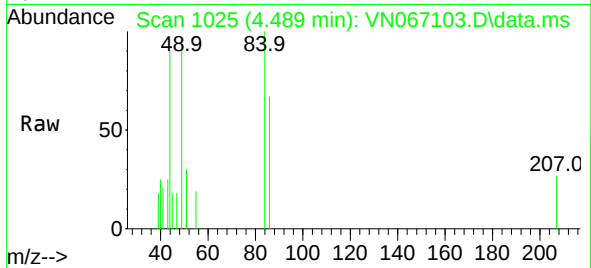
Tgt Ion: 76 Resp: 4883
Ion Ratio Lower Upper
76 100
78 11.3 7.5 11.3#



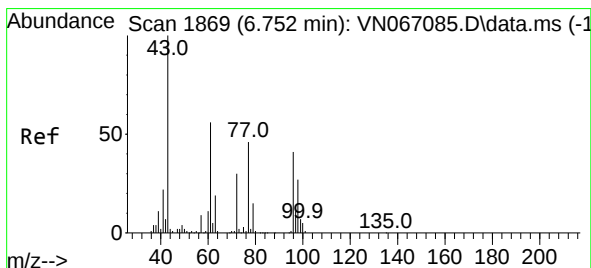
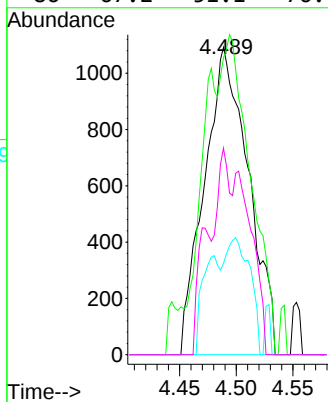
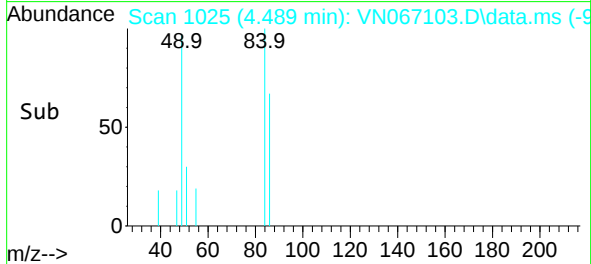


#20
Methylene Chloride
Concen: 0.48 ug/l
RT: 4.489 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

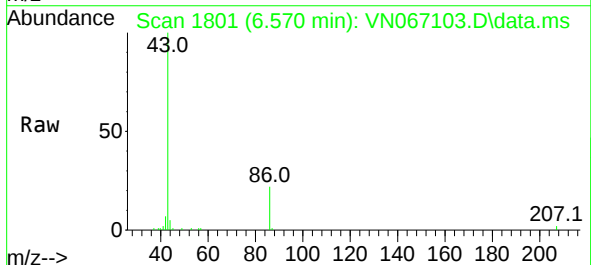
Instrument :
MSVOA_N
ClientSampled :



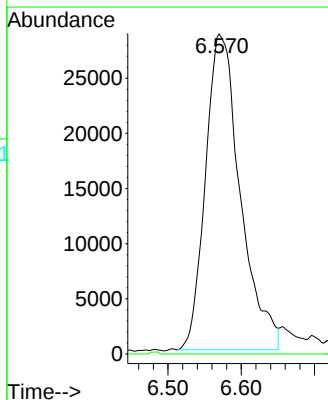
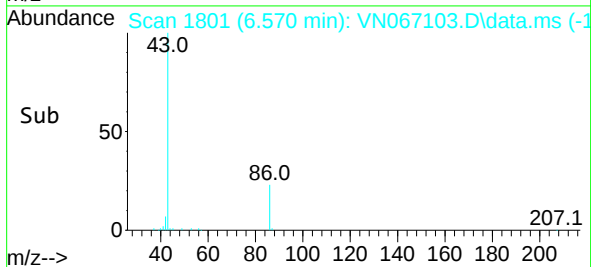
Tgt Ion:	84	Resp:	2951
Ion	Ratio	Lower	Upper
84	100		
49	96.6	88.3	132.5
51	29.7	26.7	40.1
86	67.2	51.1	76.7

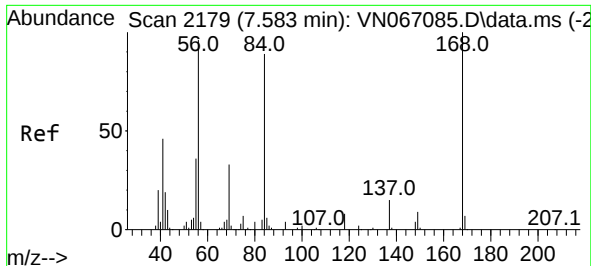


#25
2-Butanone
Concen: 27.02 ug/l
RT: 6.570 min Scan# 1801
Delta R.T. -0.182 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52



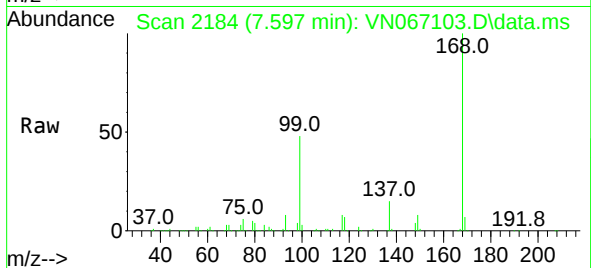
Tgt Ion:	43	Resp:	94555
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.4	36.6#



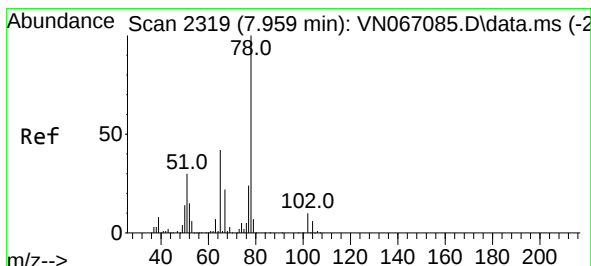
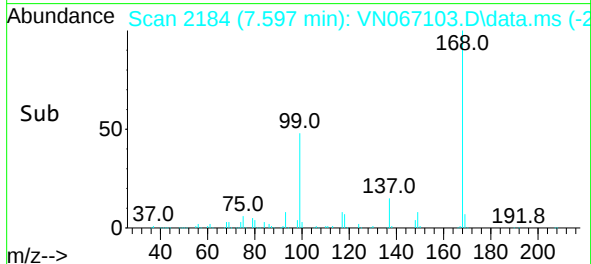
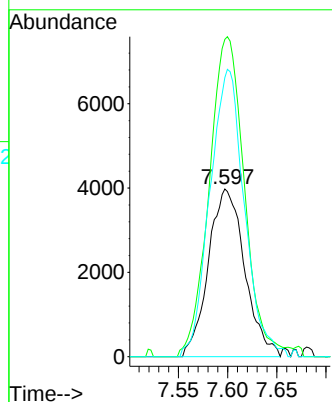


#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.014 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :

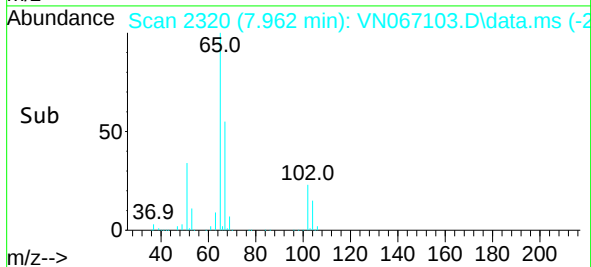
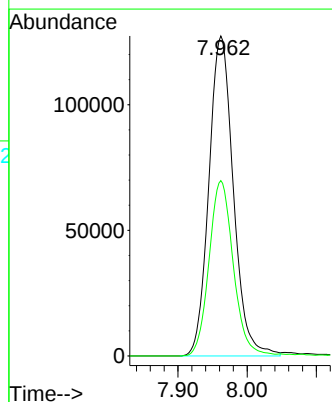
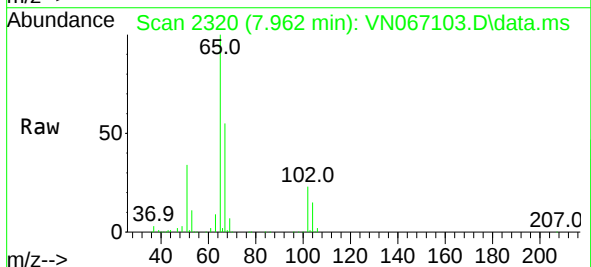


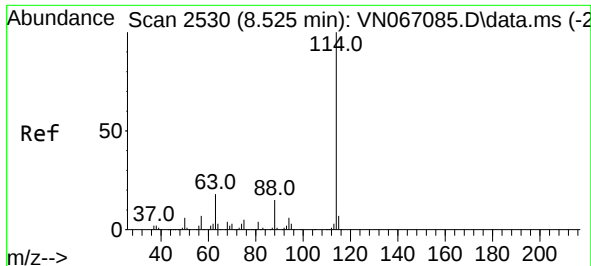
Tgt Ion: 56 Resp: 10210
Ion Ratio Lower Upper
56 100
69 185.2 28.0 42.0#
84 166.4 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 43.34 ug/l
RT: 7.962 min Scan# 2320
Delta R.T. 0.003 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 65 Resp: 312967
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.4

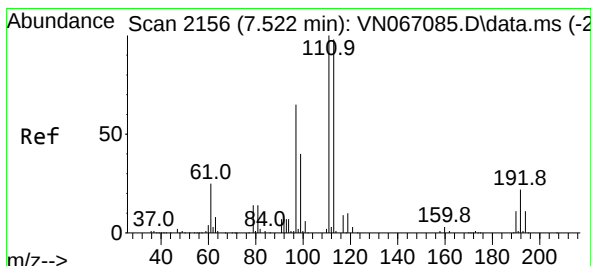
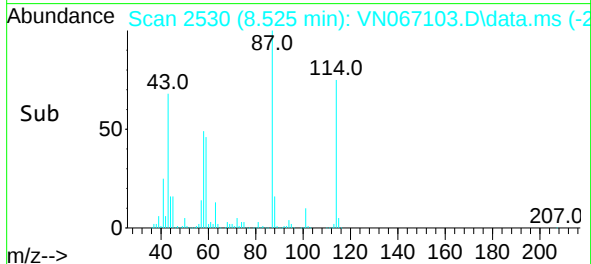
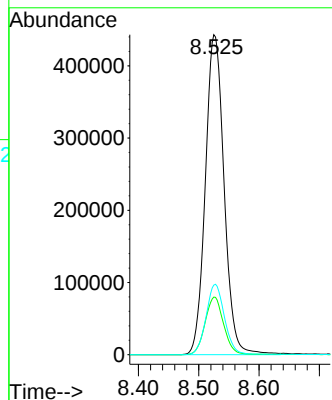
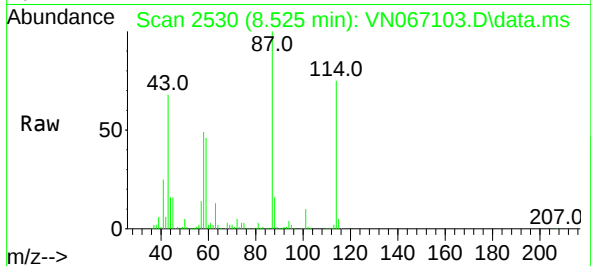




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. 0.000 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

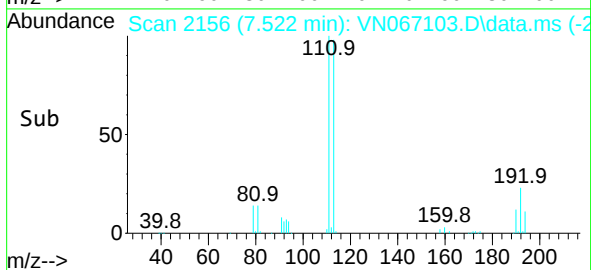
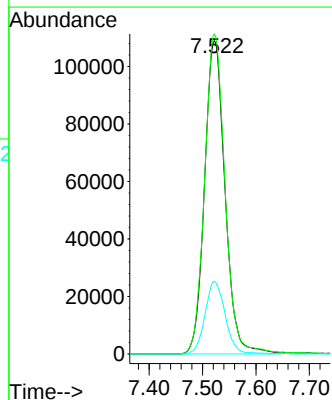
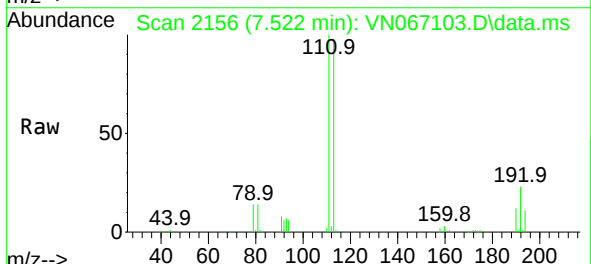
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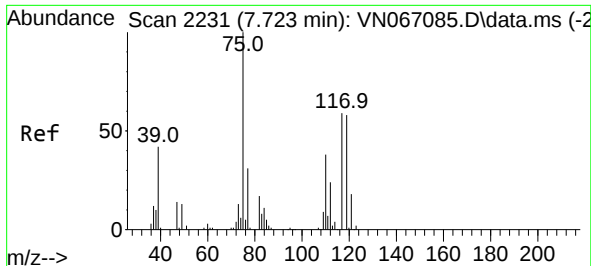
Tgt Ion:114 Resp: 959382
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.8
88 21.8 0.0 30.4



#35
Dibromofluoromethane
Concen: 46.04 ug/l
RT: 7.522 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

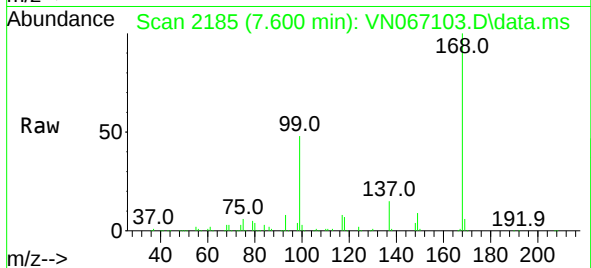
Tgt Ion:113 Resp: 290011
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 22.6 18.2 27.4



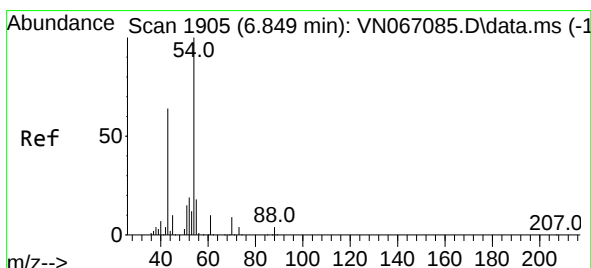
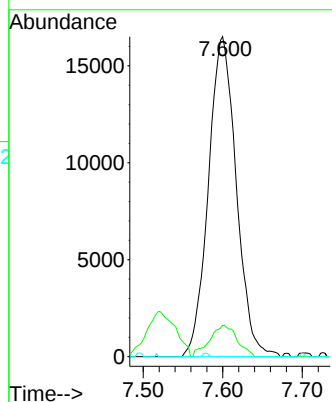
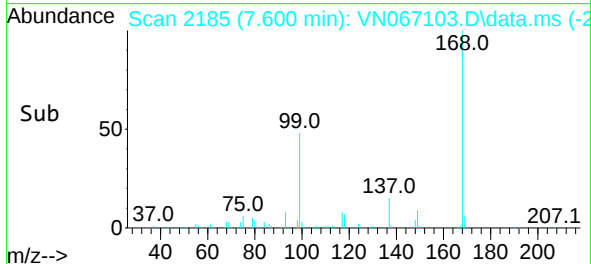


#36
 1,1-Dichloropropene
 Concen: 4.60 ug/l
 RT: 7.600 min Scan# 2185
 Delta R.T. -0.123 min
 Lab File: VN067103.D
 Acq: 17 May 2021 15:52

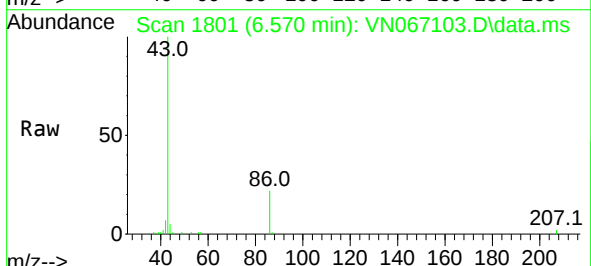
Instrument :
 MSVOA_N
 ClientSampleId :



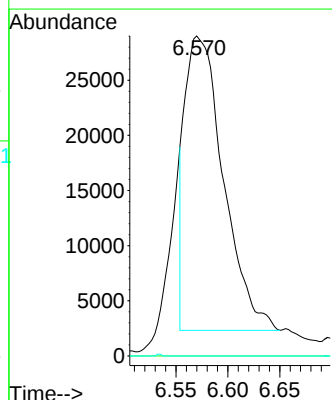
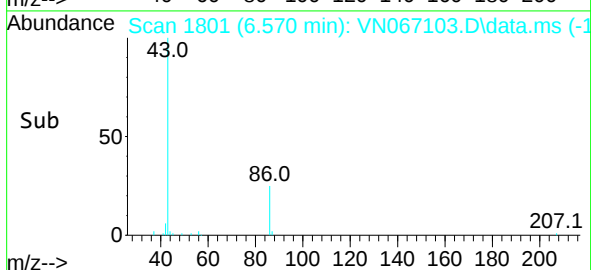
Tgt Ion: 75 Resp: 40223
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.1 57.3#
 77 0.0 24.8 37.2#

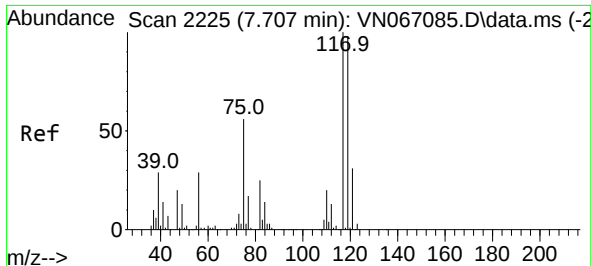


#37
 Ethyl Acetate
 Concen: 8.90 ug/l
 RT: 6.570 min Scan# 1801
 Delta R.T. -0.279 min
 Lab File: VN067103.D
 Acq: 17 May 2021 15:52



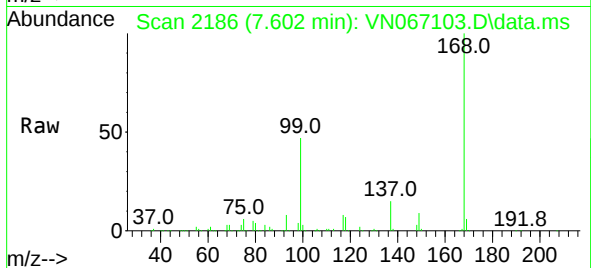
Tgt Ion: 43 Resp: 68796
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.2 13.8#



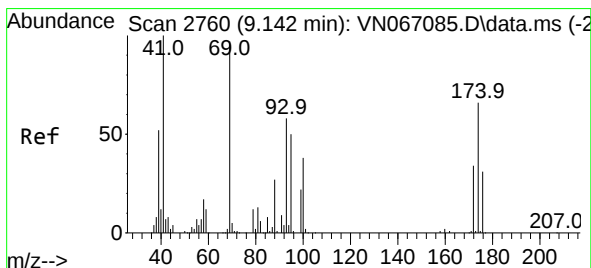
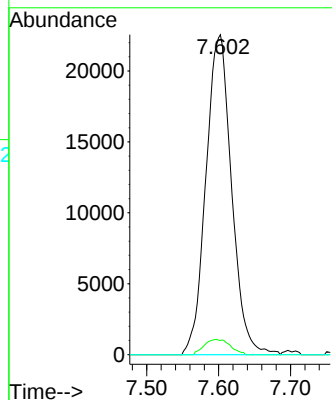
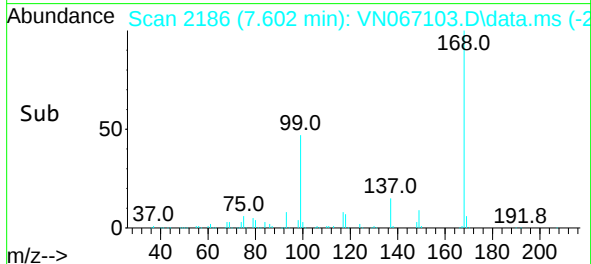


#38
Carbon Tetrachloride
Concen: 6.01 ug/l
RT: 7.602 min Scan# 2186
Delta R.T. -0.105 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

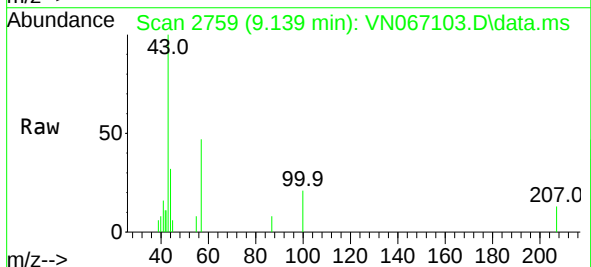
Instrument :
MSVOA_N
ClientSampleId :



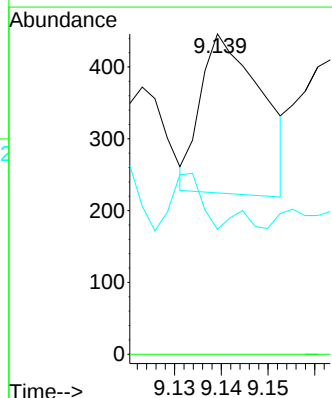
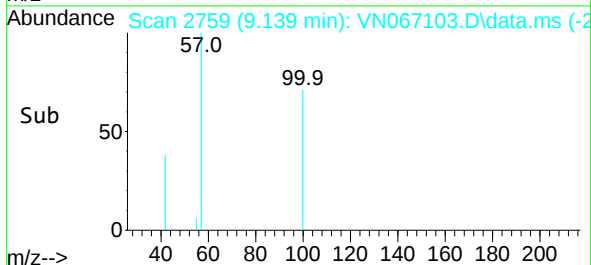
Tgt Ion:117 Resp: 56007
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.7 37.1#

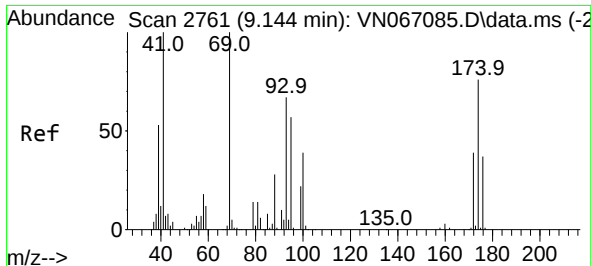


#48
Methyl methacrylate
Concen: 1.97 ug/l
RT: 9.139 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52



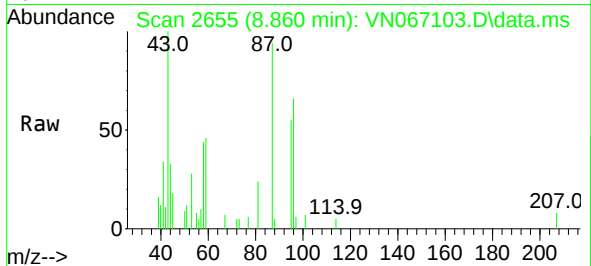
Tgt Ion: 41 Resp: 199
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 22.1 41.4 62.0#



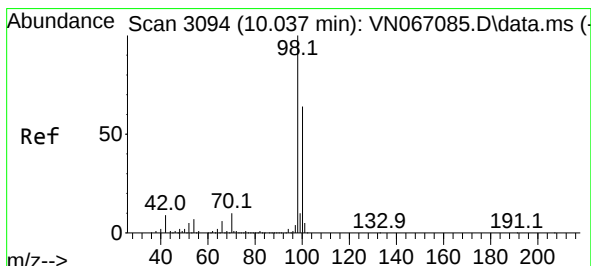
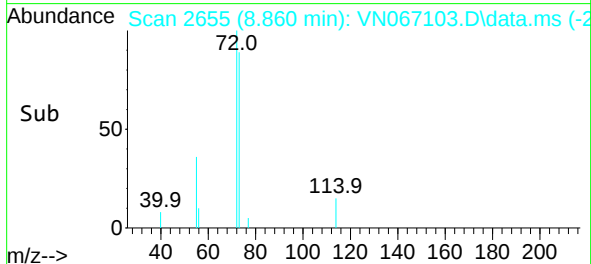
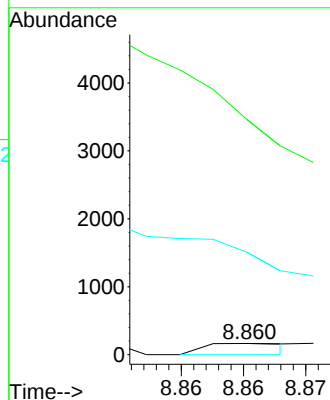


#49
1,4-Dioxane
Concen: 0.85 ug/l
RT: 8.860 min Scan# 2655
Delta R.T. -0.284 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :

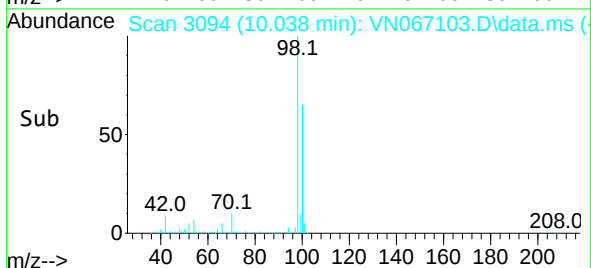
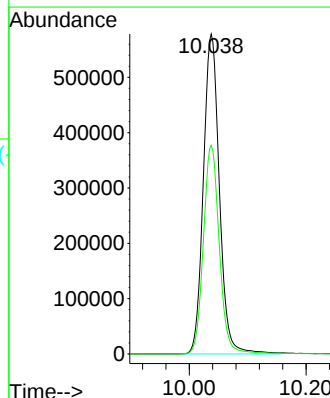
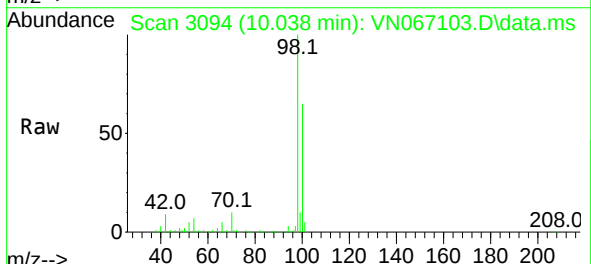


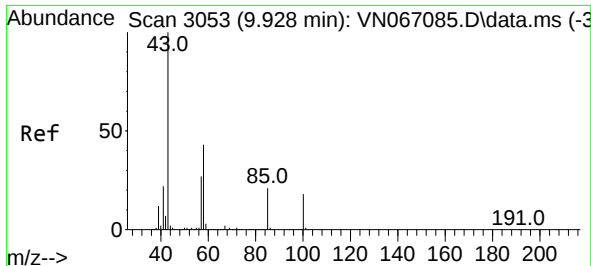
Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 0.0 50.8 76.2#



#50
Toluene-d8
Concen: 46.16 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 98 Resp: 1102128
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8

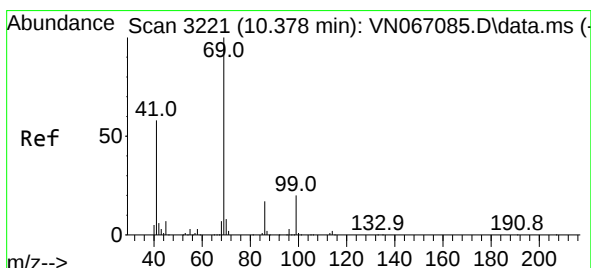
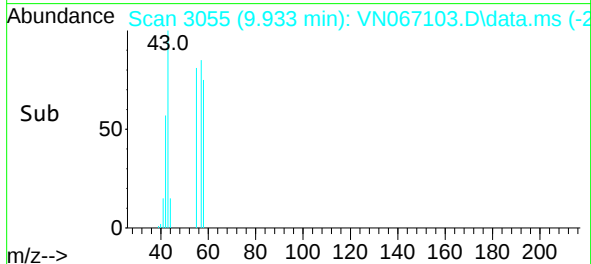
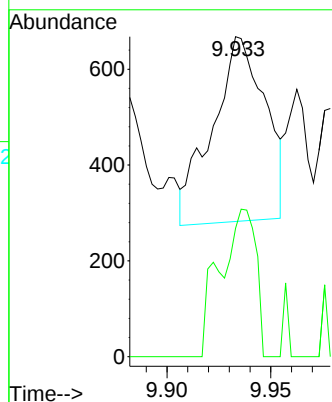
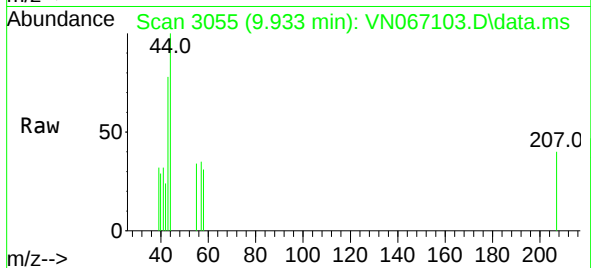




#51
4-Methyl-2-Pentanone
Concen: 5.49 ug/l
RT: 9.933 min Scan# 3055
Delta R.T. 0.005 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

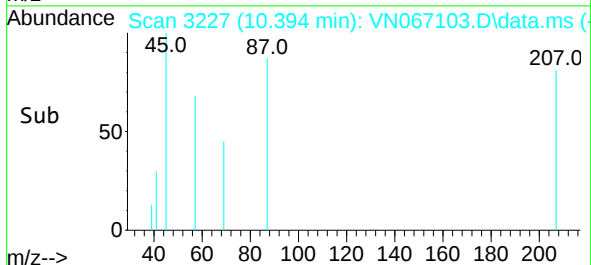
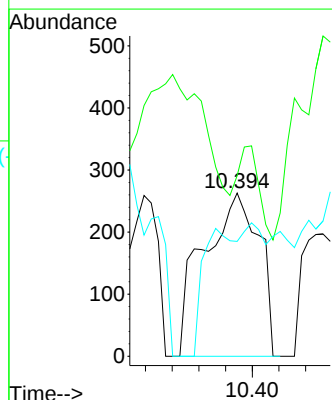
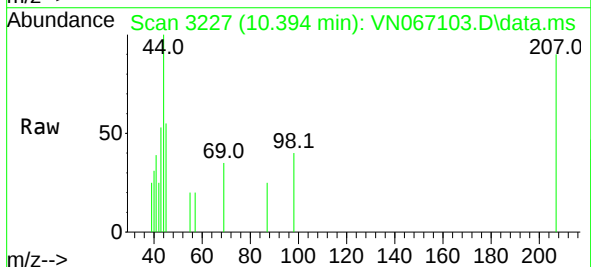
Instrument :
MSVOA_N
ClientSampled :

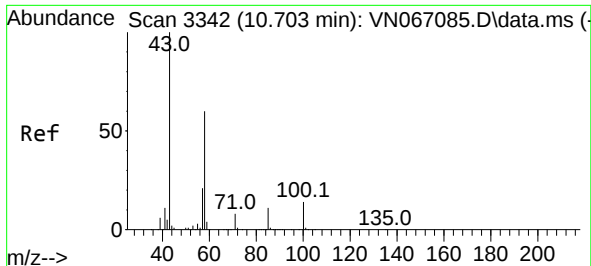
Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 37.1 34.5 51.7



#56
Ethyl methacrylate
Concen: 1.98 ug/l
RT: 10.394 min Scan# 3227
Delta R.T. 0.016 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 69 Resp: 380
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 46.8 22.9 34.3#

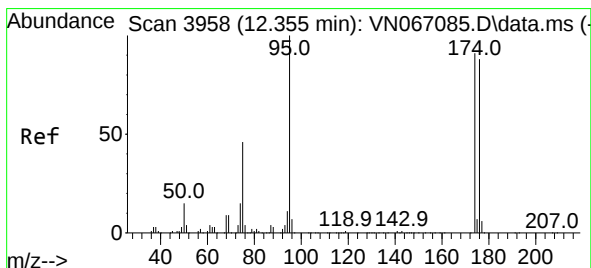
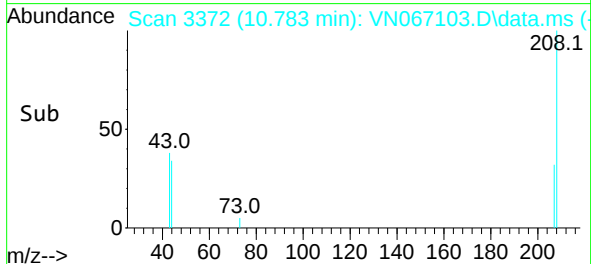
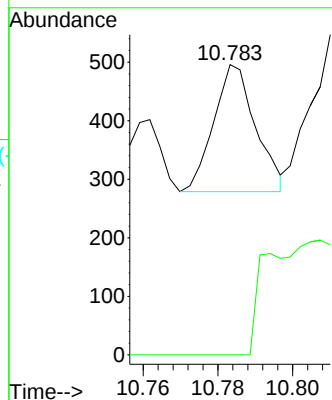
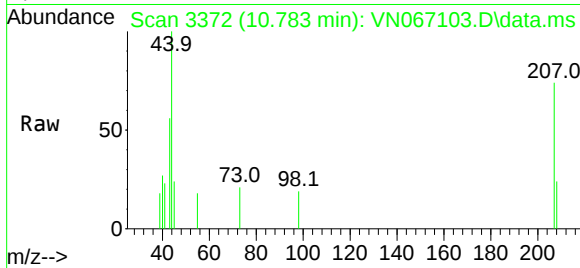




#59
2-Hexanone
Concen: 21.95 ug/l
RT: 10.783 min Scan# 3372
Delta R.T. 0.080 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

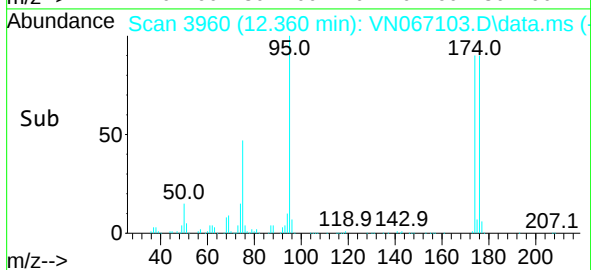
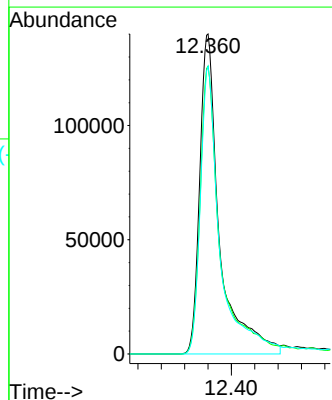
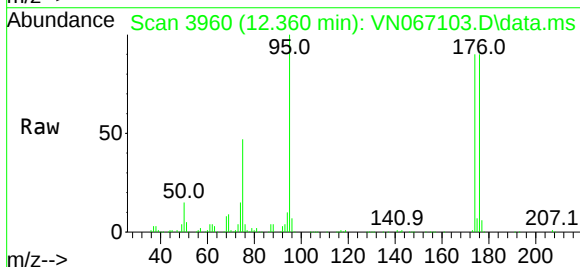
Instrument :
MSVOA_N
ClientSampled :

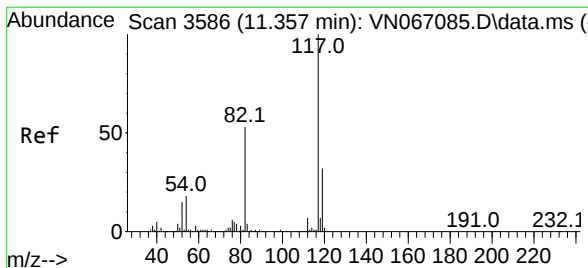
Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
58 48.5 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 41.42 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 95 Resp: 331248
Ion Ratio Lower Upper
95 100
174 90.3 0.0 182.8
176 89.1 0.0 176.6

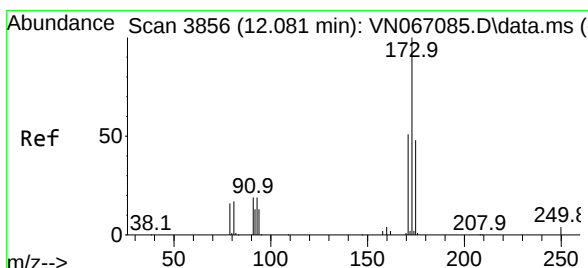
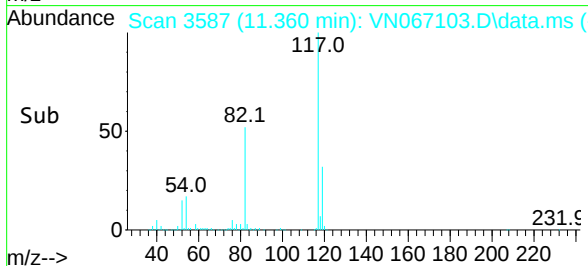
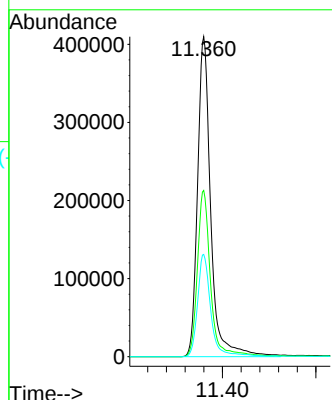
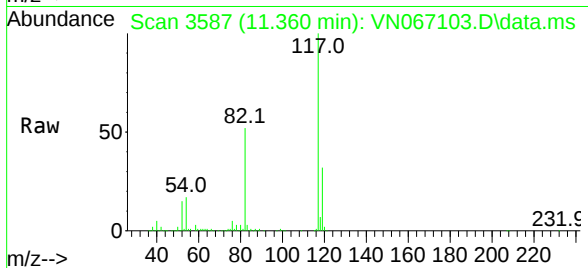




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

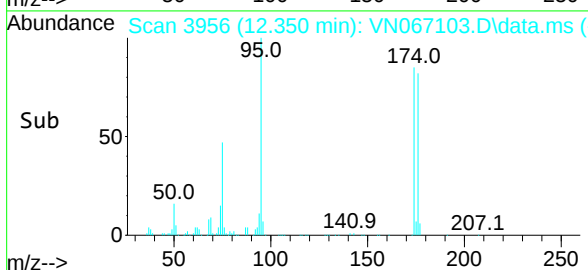
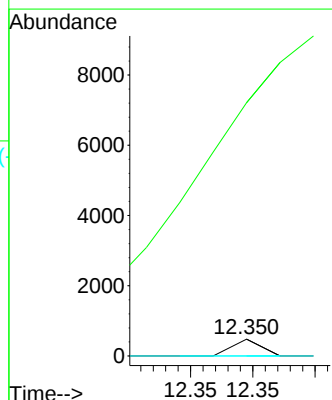
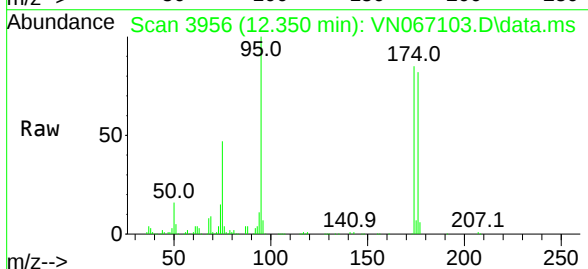
Instrument :
MSVOA_N
ClientSampleId :

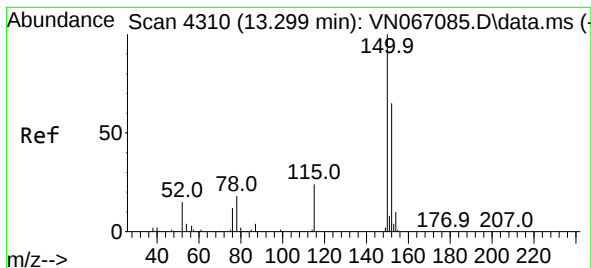
Tgt Ion:117 Resp: 802683
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.2
119 32.0 25.8 38.6



#71
Bromoform
Concen: 1.78 ug/l
RT: 12.350 min Scan# 3956
Delta R.T. 0.269 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion:173 Resp: 77
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.302 min Scan# 4311

Delta R.T. 0.003 min

Lab File: VN067103.D

Acq: 17 May 2021 15:52

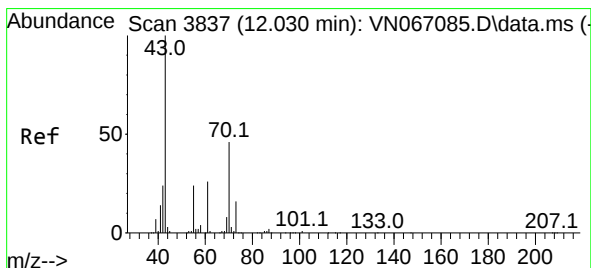
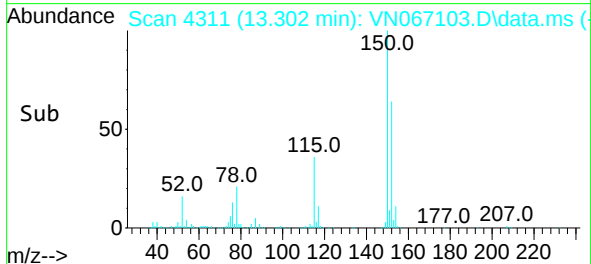
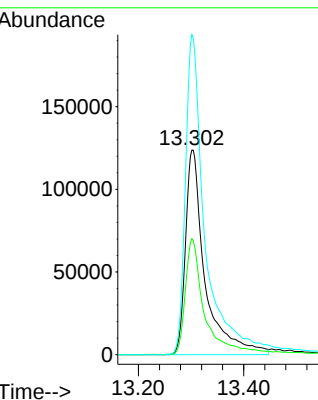
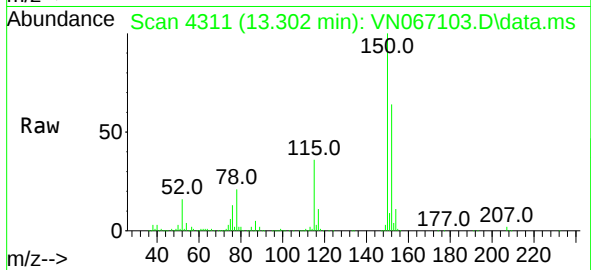
Tgt Ion:152 Resp: 319666

Ion Ratio Lower Upper

152 100

115 56.0 27.0 80.8

150 158.4 0.0 350.2



#74

N-ethyl acetate

Concen: 1.59 ug/l

RT: 11.934 min Scan# 3801

Delta R.T. -0.096 min

Lab File: VN067103.D

Acq: 17 May 2021 15:52

Tgt Ion: 43 Resp: 7054

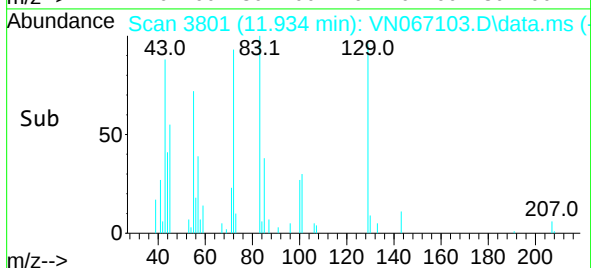
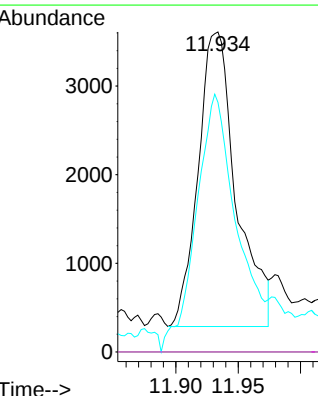
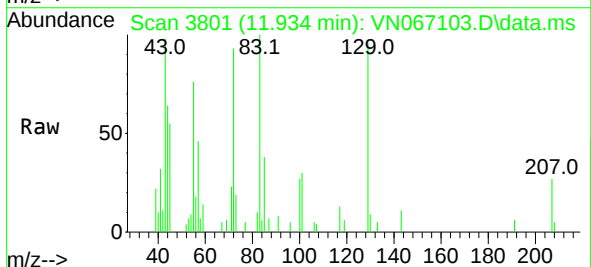
Ion Ratio Lower Upper

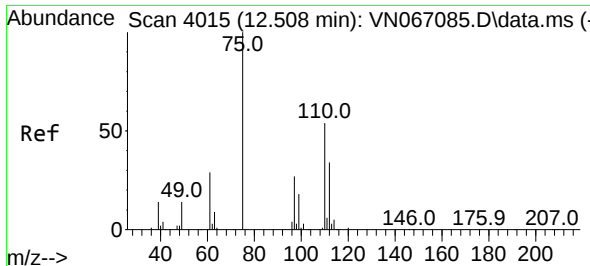
43 100

70 0.0 36.7 55.1#

55 93.8 17.6 26.4#

61 0.0 18.9 28.3#

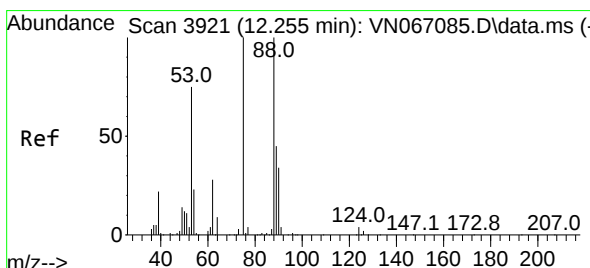
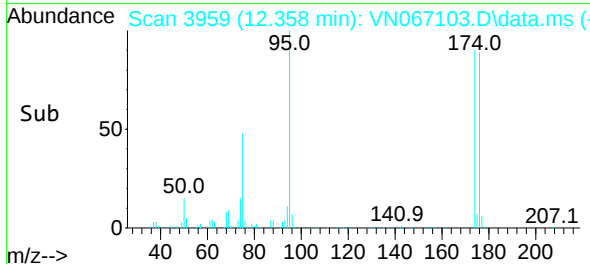
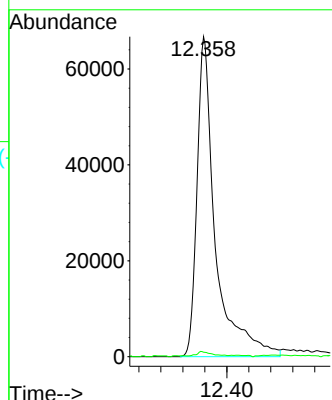
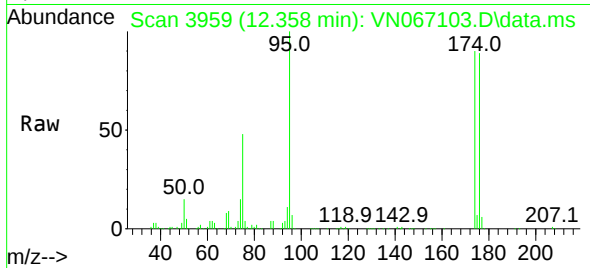




#76
1,2,3-Trichloropropane
Concen: 22.87 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. -0.150 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

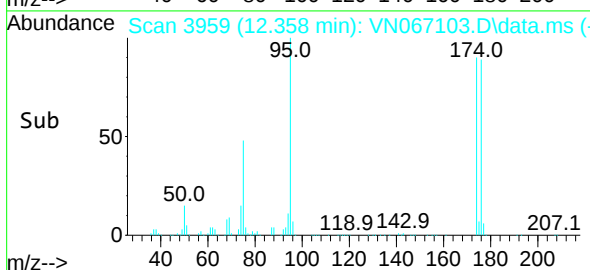
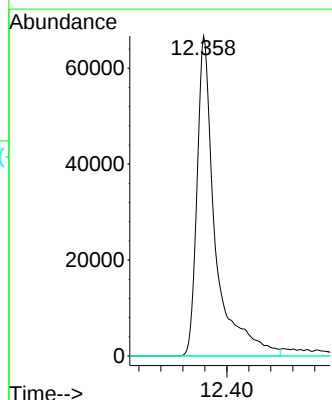
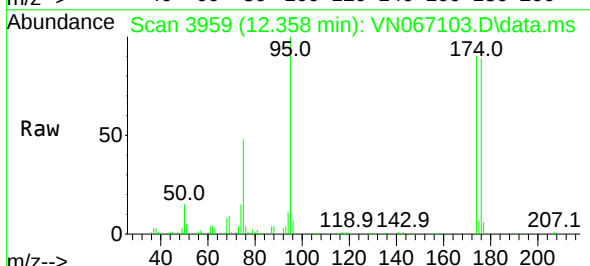
Instrument :
MSVOA_N
ClientSampled :

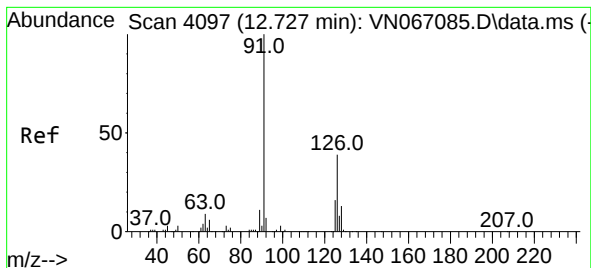
Tgt Ion: 75 Resp: 154264
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.56 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.103 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 75 Resp: 154264
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

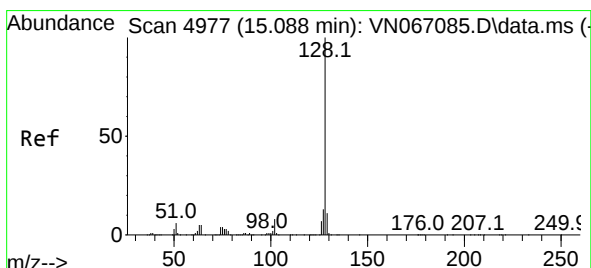
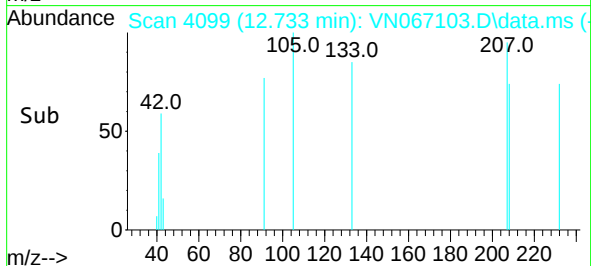
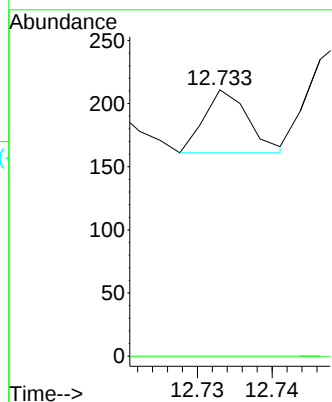
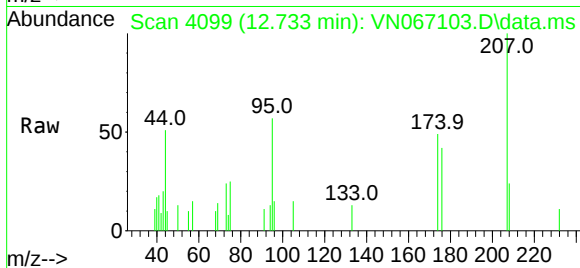




#82
4-Chlorotoluene
Concen: 1.18 ug/l
RT: 12.733 min Scan# 4099
Delta R.T. 0.006 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

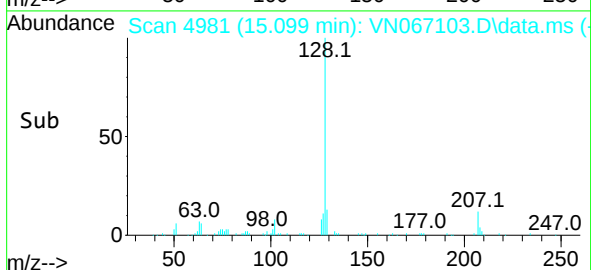
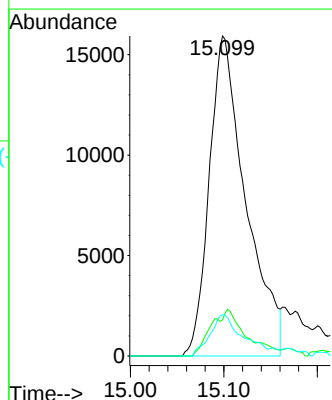
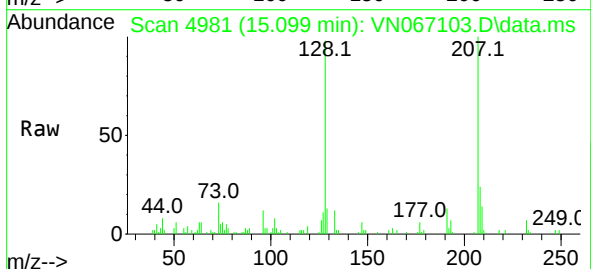
Instrument :
MSVOA_N
ClientSampled :

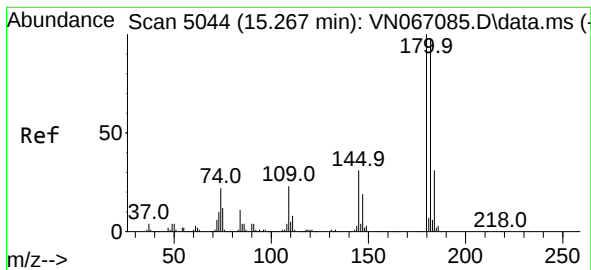
Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#95
Naphthalene
Concen: 6.23 ug/l
RT: 15.099 min Scan# 4981
Delta R.T. 0.011 min
Lab File: VN067103.D
Acq: 17 May 2021 15:52

Tgt Ion: 128 Resp: 43303
Ion Ratio Lower Upper
128 100
127 7.0 10.2 15.2#
129 11.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 15.270 min Scan# 5045
 Delta R.T. 0.003 min
 Lab File: VN067103.D
 Acq: 17 May 2021 15:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 1679
 Ion Ratio Lower Upper
 180 100
 182 92.1 48.5 145.6
 145 39.0 15.4 46.2

