

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052621\
 Data File : VN067173.D
 Acq On : 26 May 2021 17:42
 Operator : JC/MD
 Sample : M2529-01 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31046

Quant Time: May 27 02:41:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

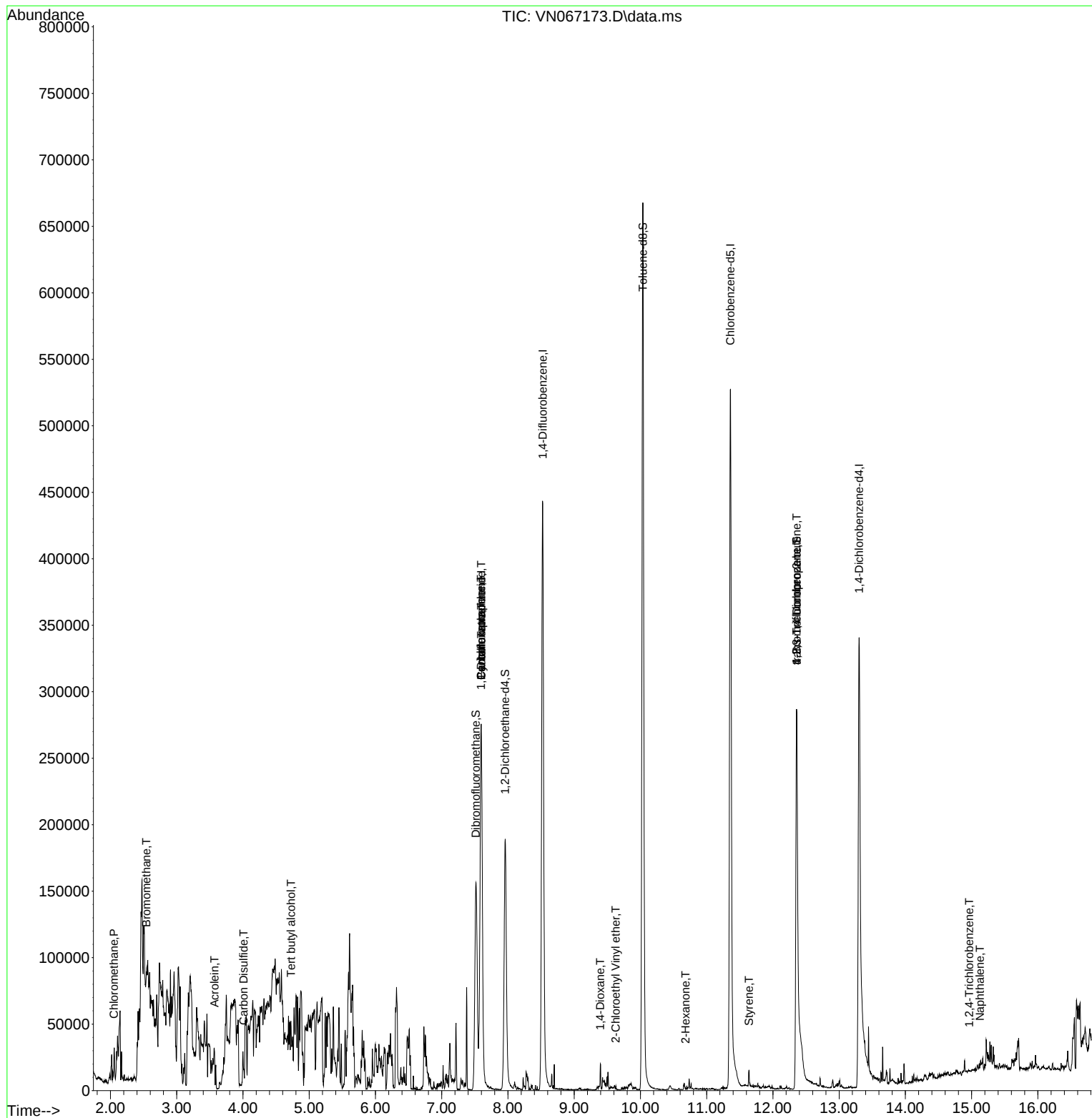
Internal Standards						
1) Pentafluorobenzene	7.597	168	216665	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.525	114	407263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	349839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	126720	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	165995	49.37	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.74%		
35) Dibromofluoromethane	7.516	113	127343	50.95	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.90%		
50) Toluene-d8	10.038	98	476596	49.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.10%		
62) 4-Bromofluorobenzene	12.357	95	144826	44.04	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.08%		
Target Compounds						
						Qvalue
3) Chloromethane	2.051	50	1196	0.31	ug/l	# 53
5) Bromomethane	2.541	94	490	0.27	ug/l	91
11) Tert butyl alcohol	4.725	59	198	0.28	ug/l	# 1
13) Acrolein	3.571	56	626	1.06	ug/l	# 40
17) Carbon Disulfide	4.008	76	1719	0.21	ug/l	# 53
31) Cyclohexane	7.597	56	5228	1.00	ug/l	# 1
36) 1,1-Dichloropropene	7.592	75	19563	4.75	ug/l	# 49
38) Carbon Tetrachloride	7.597	117	23445	5.84	ug/l	# 16
49) 1,4-Dioxane	9.391	88	180	63.95	ug/l	# 22
58) 2-Chloroethyl Vinyl ether	9.627	63	81	6.83	ug/l	# 45
59) 2-Hexanone	10.681	43	56	18.88	ug/l	85
70) Styrene	11.639	104	55	2.51	ug/l	# 1
76) 1,2,3-Trichloropropane	12.357	75	81752	23.17	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.357	75	81752	65.82	ug/l	# 15
93) 1,2,4-Trichlorobenzene	14.962	180	57	3.29	ug/l	# 13
95) Naphthalene	15.125	128	264	3.90	ug/l	# 69

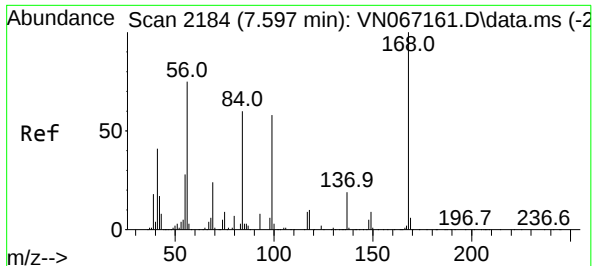
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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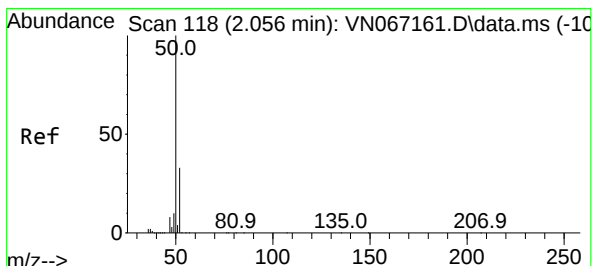
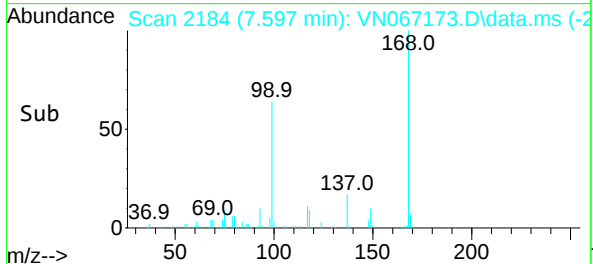
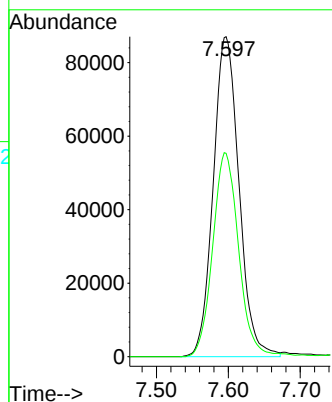
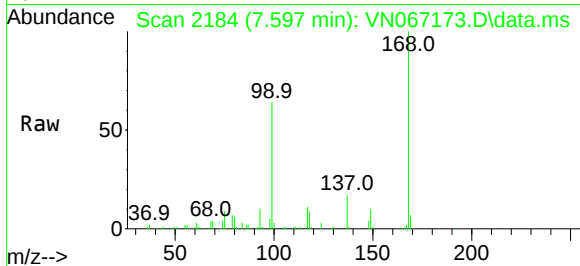




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

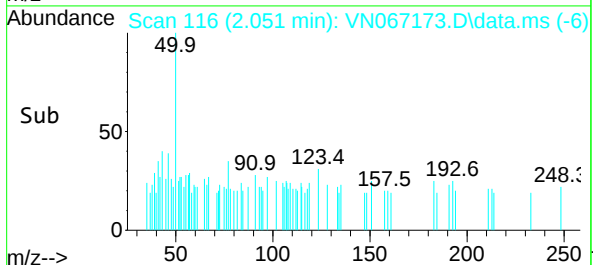
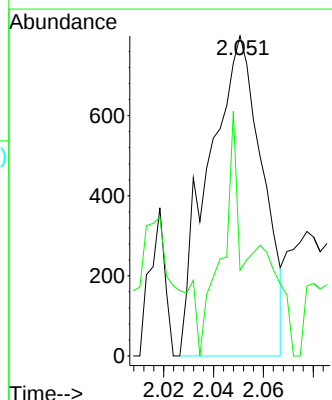
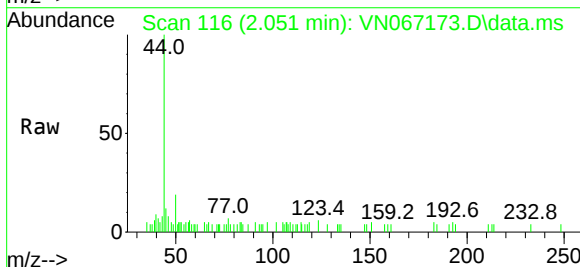
Instrument :
MSVOA_N
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31046

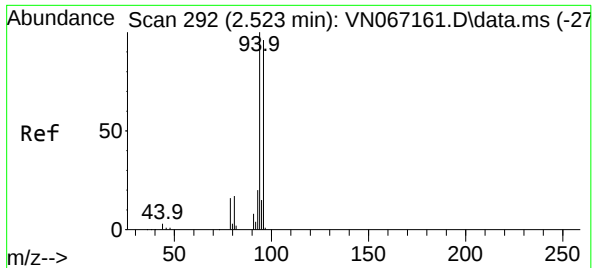
Tgt Ion:168 Resp: 216665
Ion Ratio Lower Upper
168 100
99 63.5 38.5 57.7#



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.051 min Scan# 116
Delta R.T. -0.005 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 50 Resp: 1196
Ion Ratio Lower Upper
50 100
52 6.4 26.5 39.7#

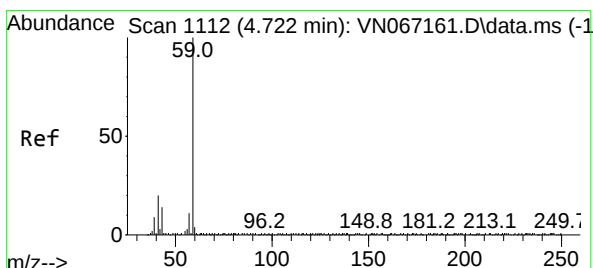
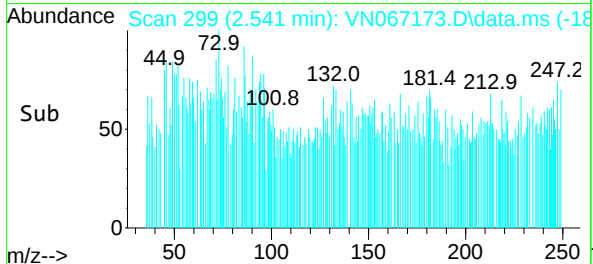
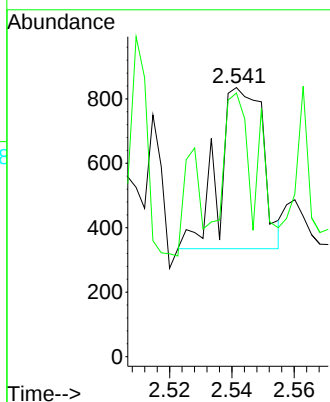
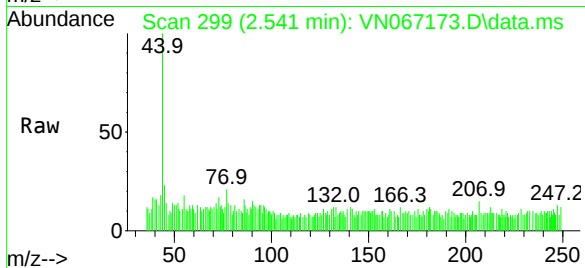




#5
Bromomethane
Concen: 0.27 ug/l
RT: 2.541 min Scan# 299
Delta R.T. 0.018 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

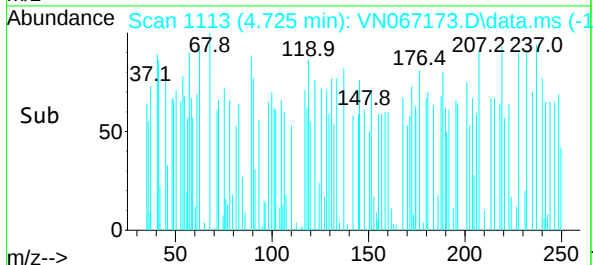
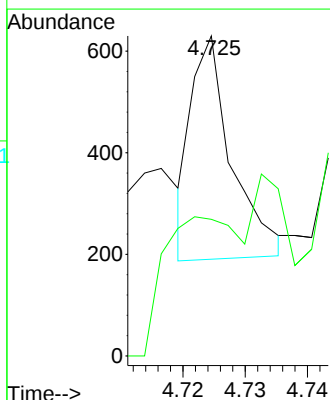
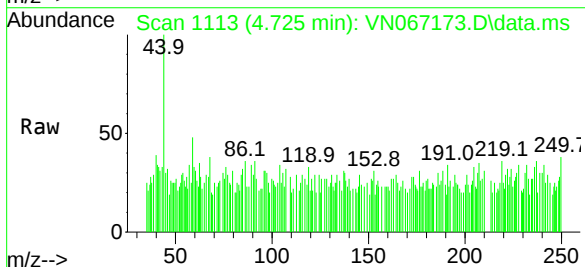
Instrument :
MSVOA_N
ClientSampleId :
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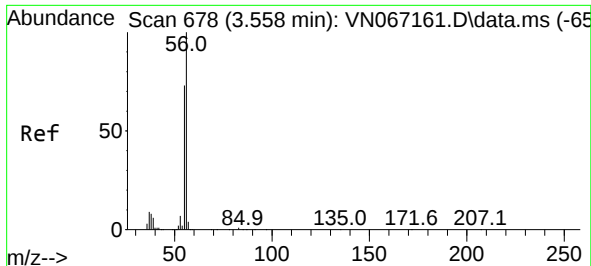
Tgt Ion: 94 Resp: 490
Ion Ratio Lower Upper
94 100
96 101.2 74.4 111.6



#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 4.725 min Scan# 1113
Delta R.T. 0.003 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 119.7 3.5 5.3#

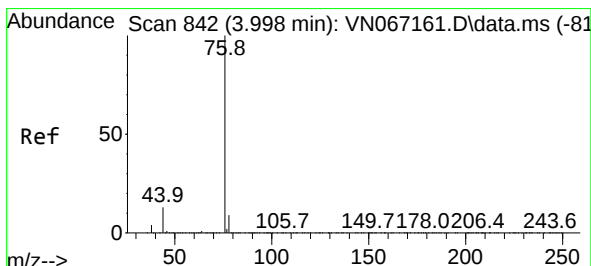
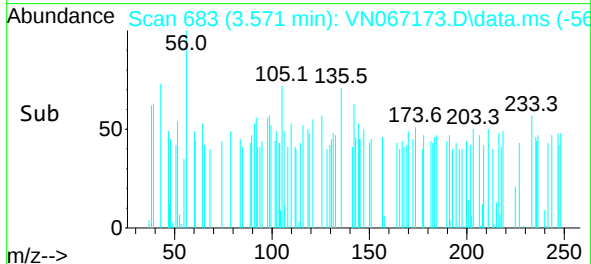
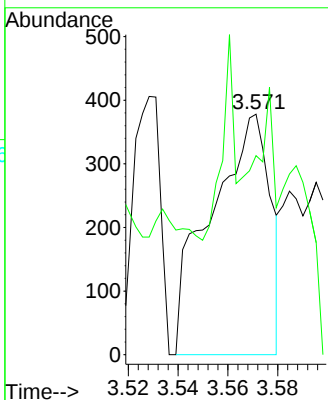
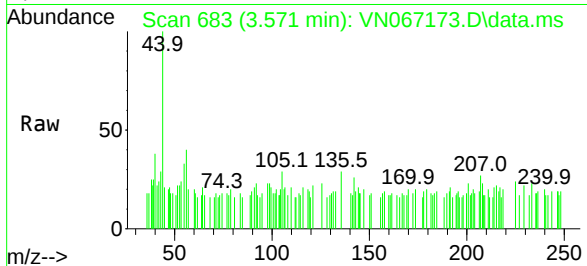




#13
Acrolein
Concen: 1.06 ug/l
RT: 3.571 min Scan# 683
Delta R.T. 0.013 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

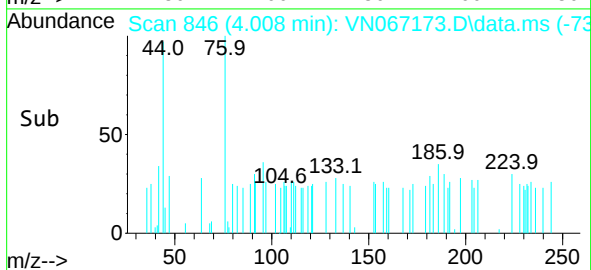
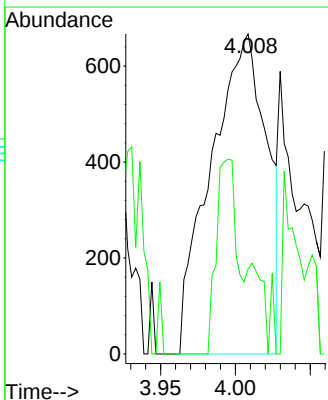
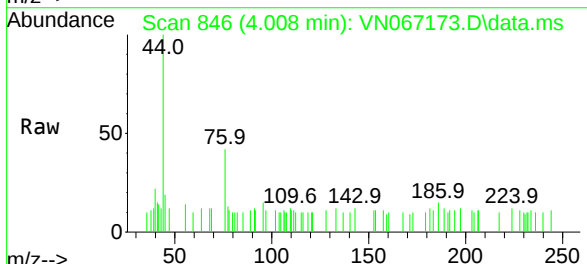
Instrument :
MSVOA_N
ClientSampled :
31046

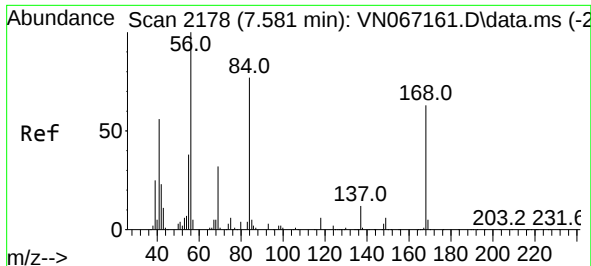
Tgt Ion: 56 Resp: 626
Ion Ratio Lower Upper
56 100
55 19.2 53.8 80.6#



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.008 min Scan# 846
Delta R.T. 0.010 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 76 Resp: 1719
Ion Ratio Lower Upper
76 100
78 26.5 7.5 11.3#

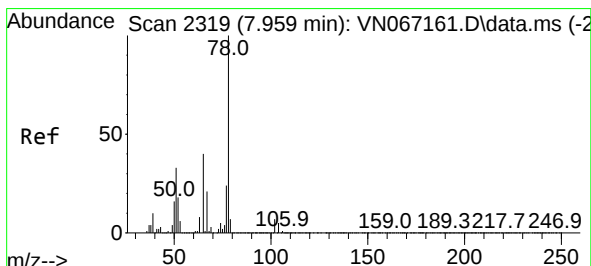
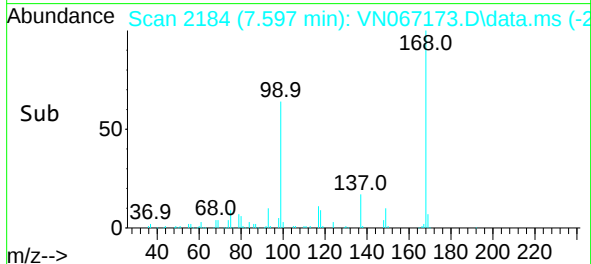
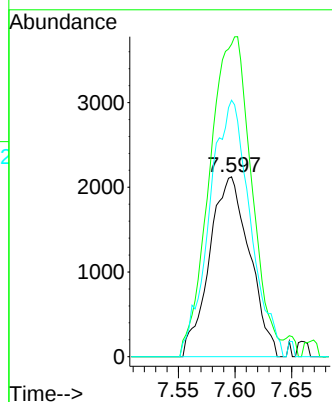
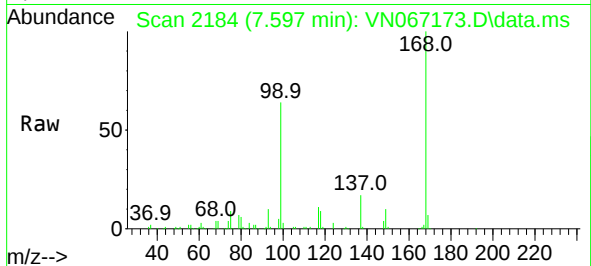




#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.016 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

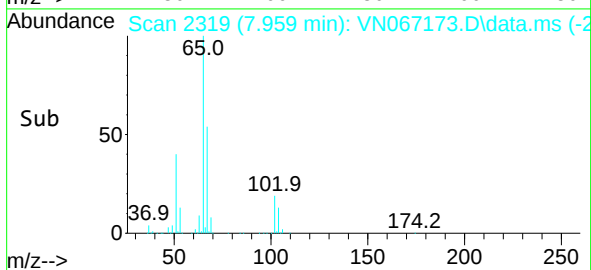
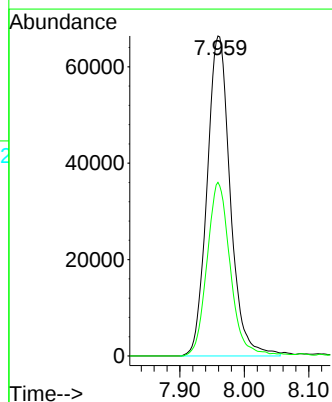
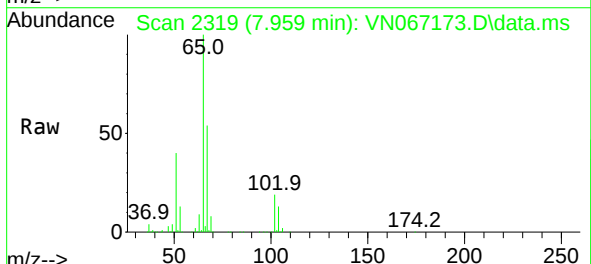
Instrument :
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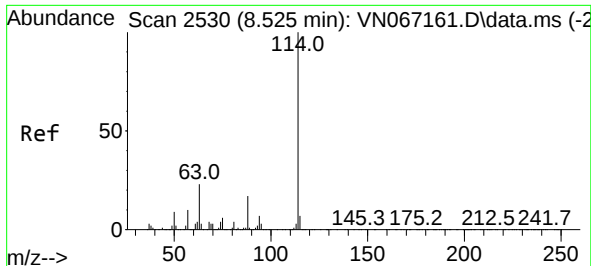
Tgt Ion: 56 Resp: 5228
Ion Ratio Lower Upper
56 100
69 173.7 28.0 42.0#
84 142.6 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 49.37 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. 0.000 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 65 Resp: 165995
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.4

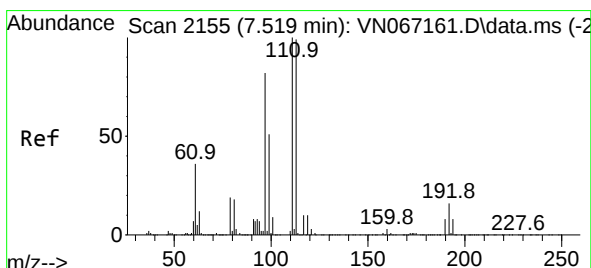
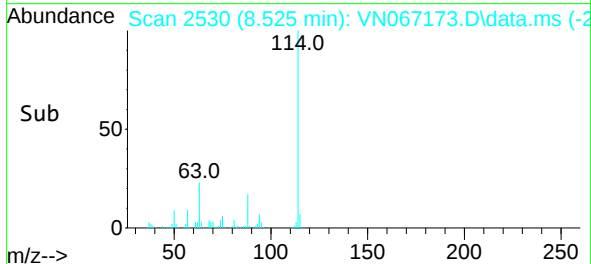
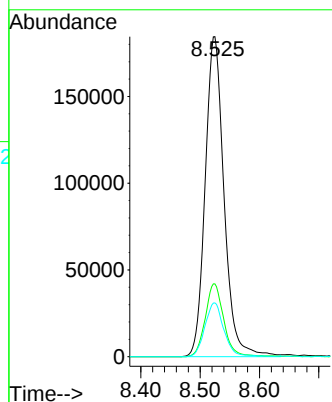
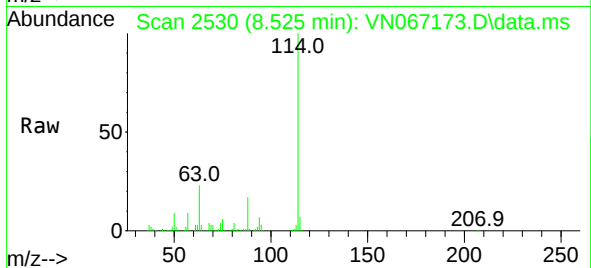




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

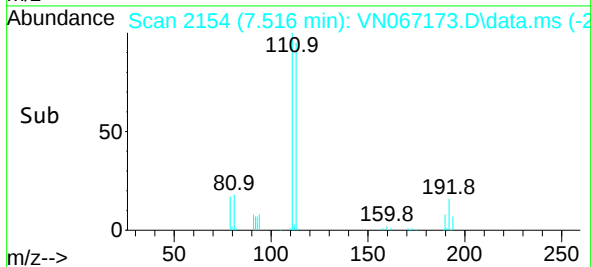
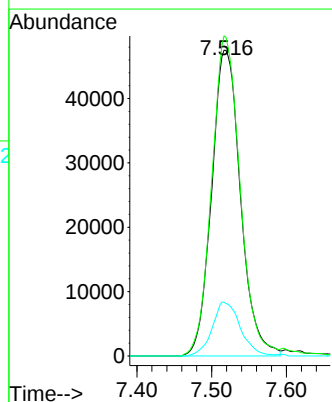
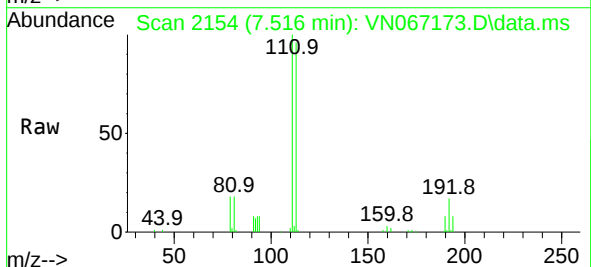
Instrument :
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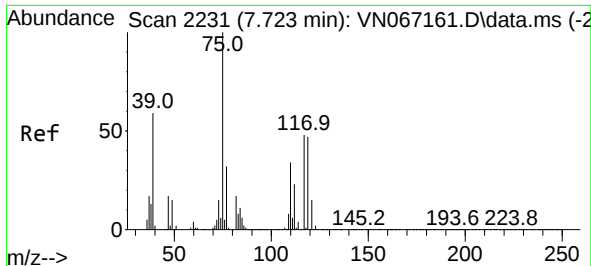
Tgt Ion:114 Resp: 407263
Ion Ratio Lower Upper
114 100
63 22.8 0.0 35.8
88 16.8 0.0 30.4



#35
Dibromofluoromethane
Concen: 50.95 ug/l
RT: 7.516 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion:113 Resp: 127343
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 17.2 18.2 27.4#

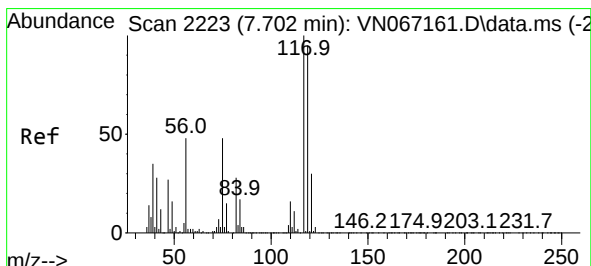
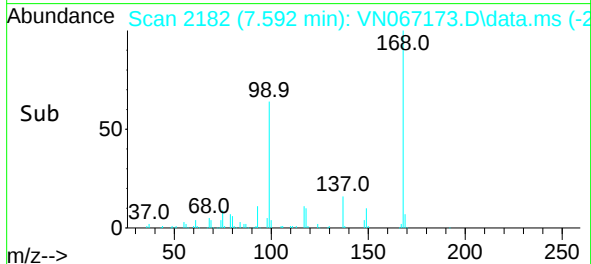
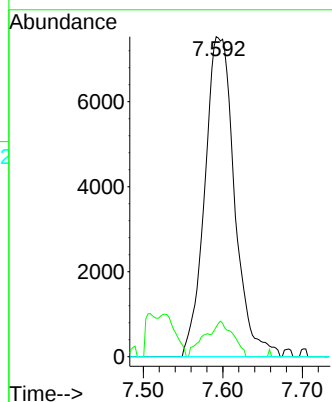
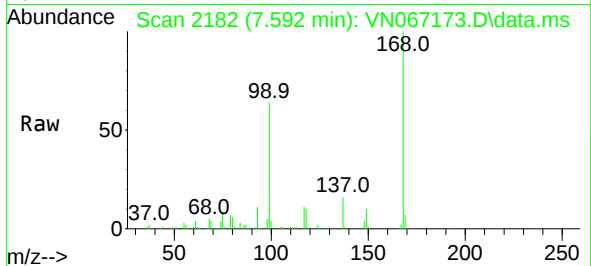




#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 7.592 min Scan# 2182
Delta R.T. -0.131 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

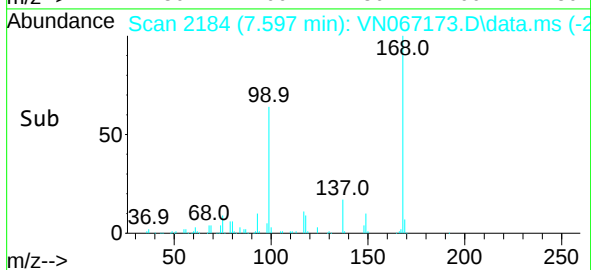
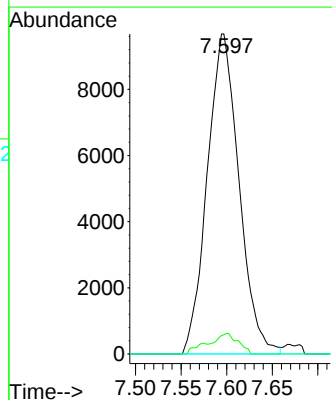
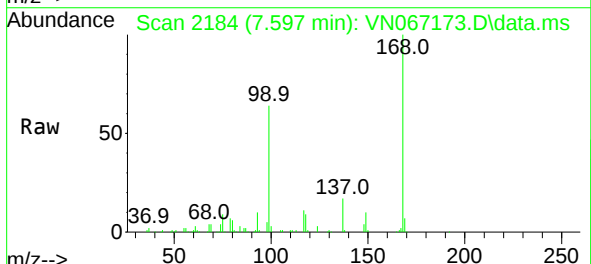
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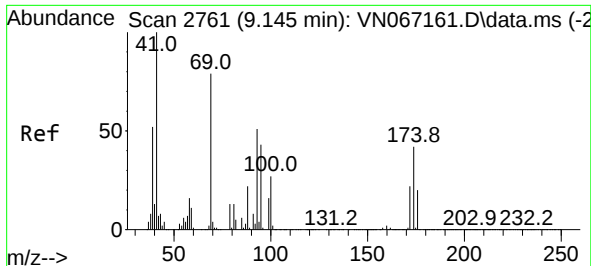
Tgt Ion: 75 Resp: 19563
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.84 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.105 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 117 Resp: 23445
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 24.7 37.1#

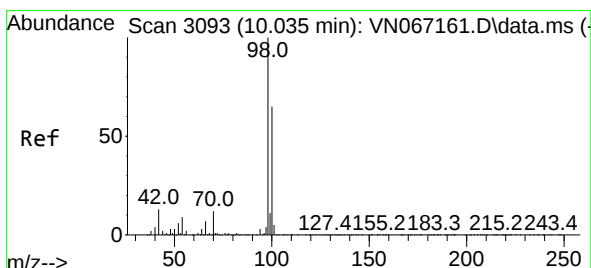
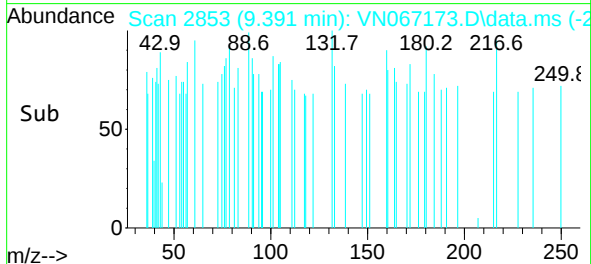
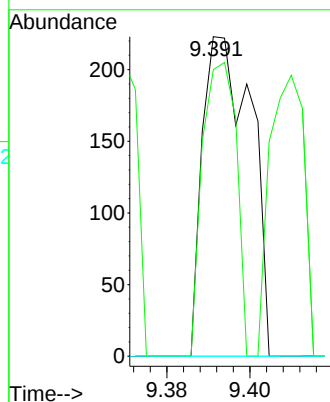
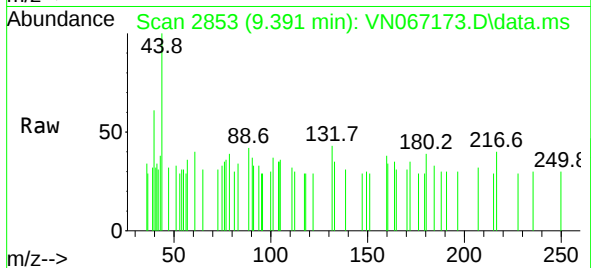




#49
1,4-Dioxane
Concen: 63.95 ug/l
RT: 9.391 min Scan# 2853
Delta R.T. 0.246 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

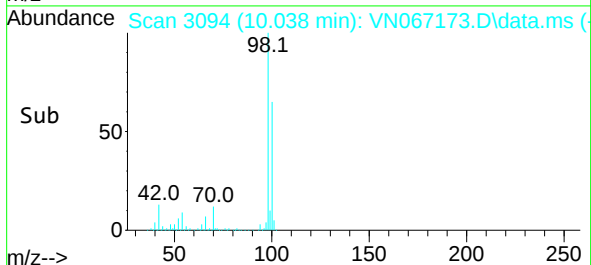
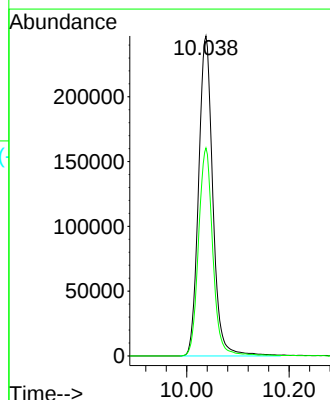
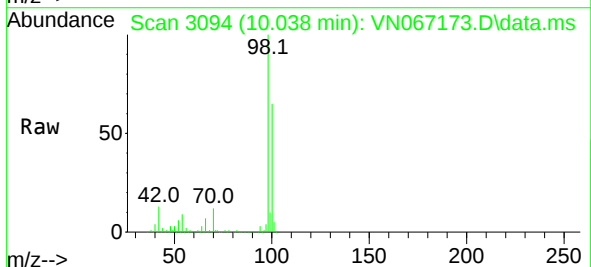
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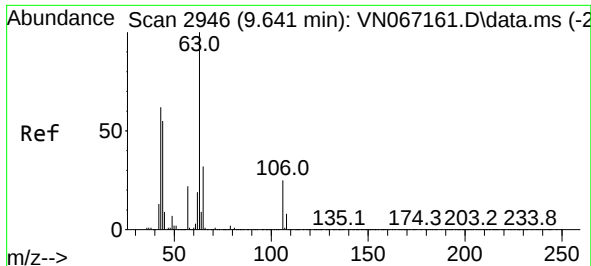
Tgt Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 64.4 21.8 32.8#
58 0.0 50.8 76.2#



#50
Toluene-d8
Concen: 49.55 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.003 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 98 Resp: 476596
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8

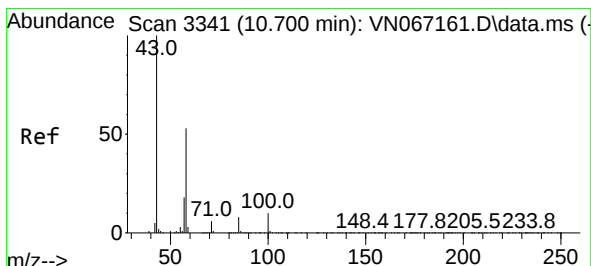
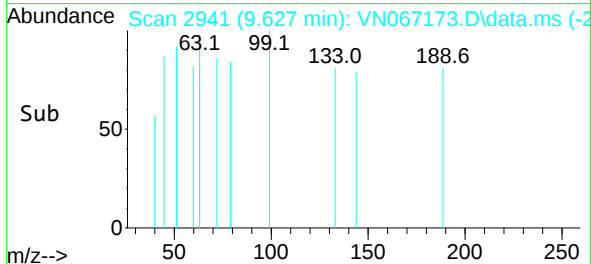
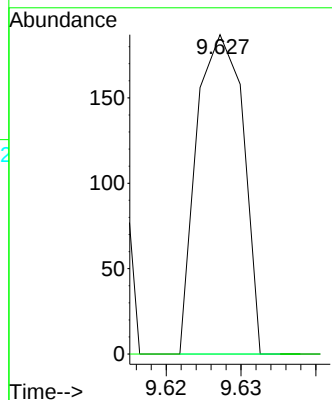
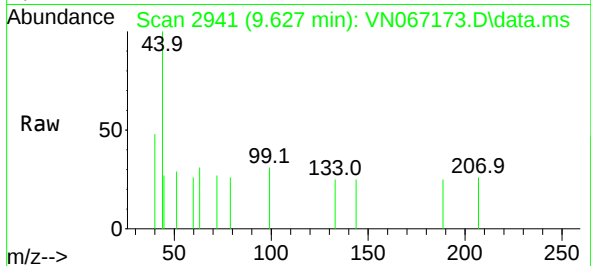




#58
2-Chloroethyl Vinyl ether
Concen: 6.83 ug/l
RT: 9.627 min Scan# 2941
Delta R.T. -0.014 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

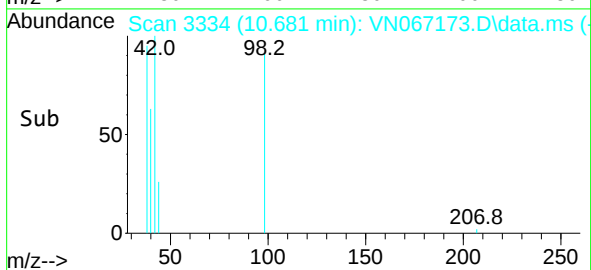
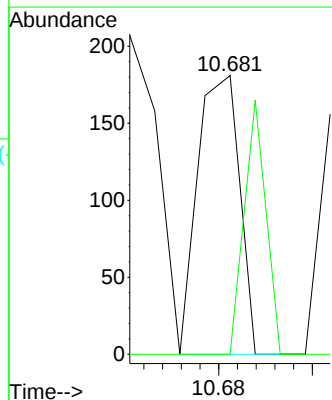
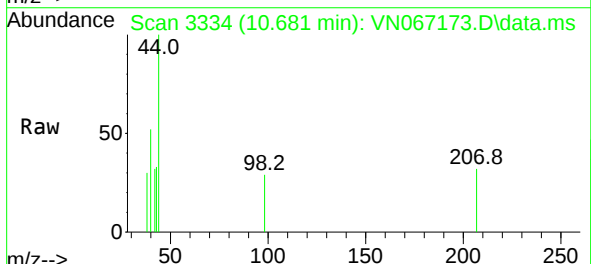
Instrument :
MSVOA_N
ClientSampled :
31046

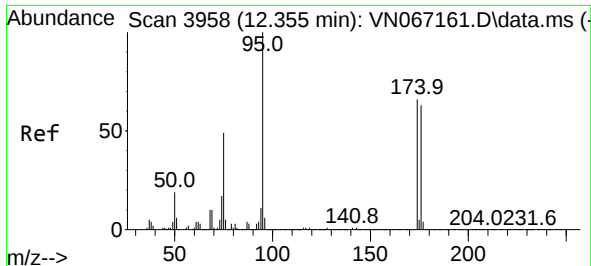
Tgt Ion: 63 Resp: 81
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 18.88 ug/l
RT: 10.681 min Scan# 3334
Delta R.T. -0.019 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 48.2 29.8 89.5

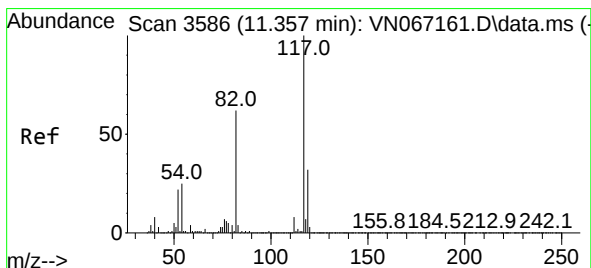
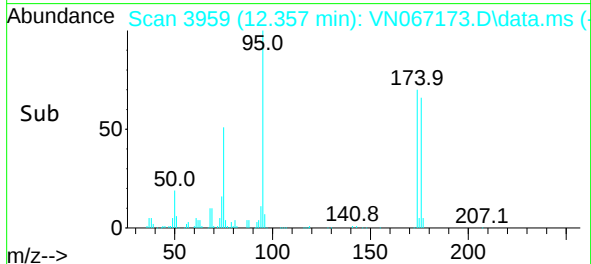
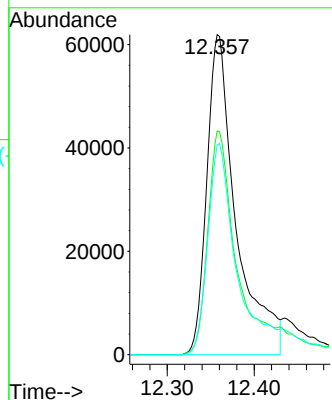
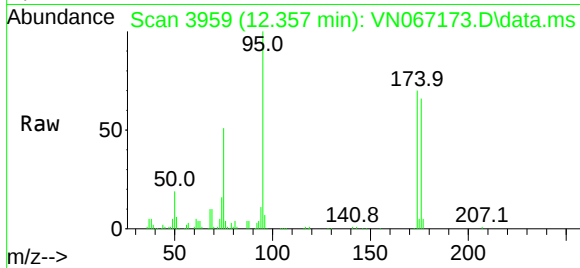




#62
4-Bromofluorobenzene
Concen: 44.04 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

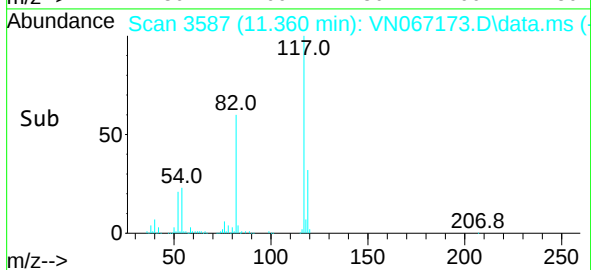
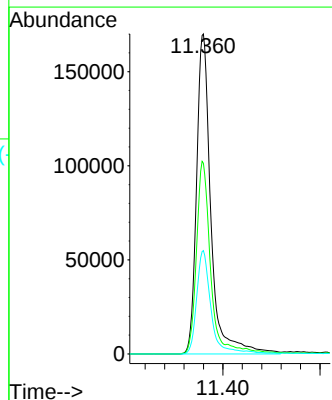
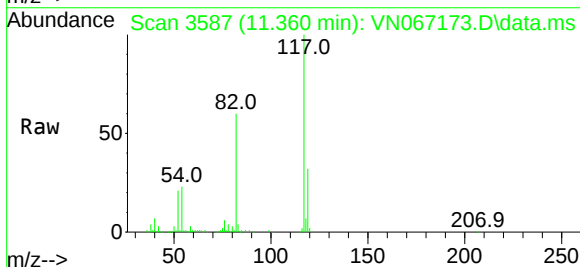
Instrument :
MSVOA_N
ClientSampleId :
31046

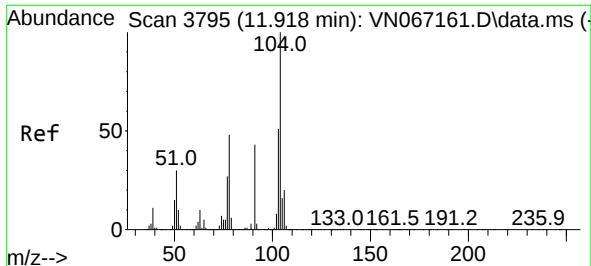
Tgt Ion: 95 Resp: 144826
Ion Ratio Lower Upper
95 100
174 67.5 0.0 182.8
176 64.6 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 117 Resp: 349839
Ion Ratio Lower Upper
117 100
82 59.6 42.2 63.2
119 32.3 25.8 38.6

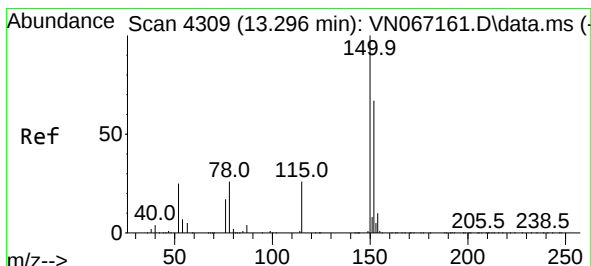
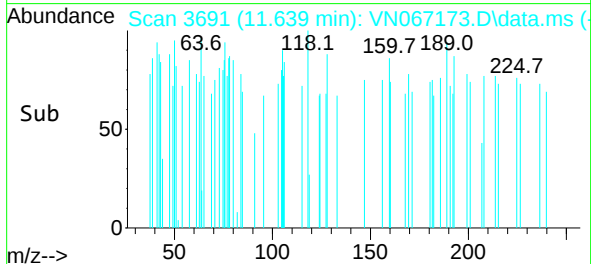
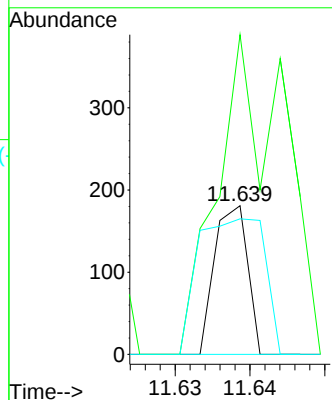
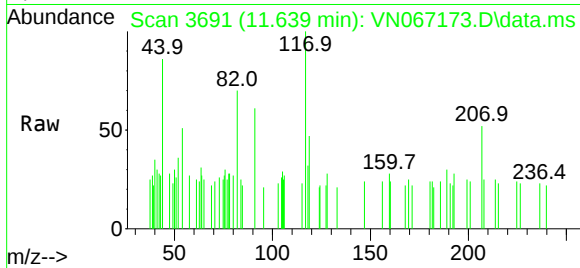




#70
Styrene
Concen: 2.51 ug/l
RT: 11.639 min Scan# 3691
Delta R.T. -0.279 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

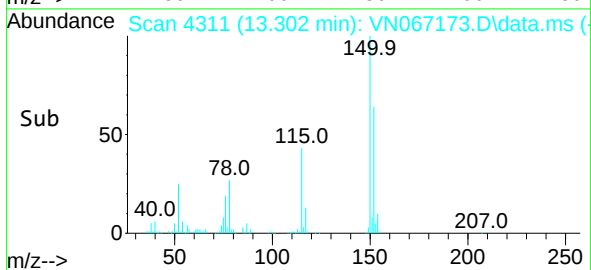
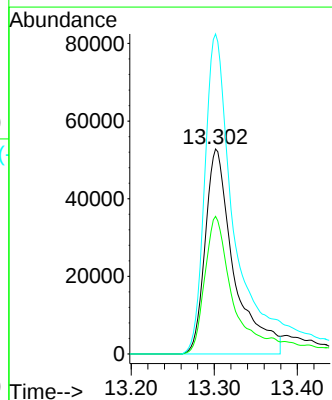
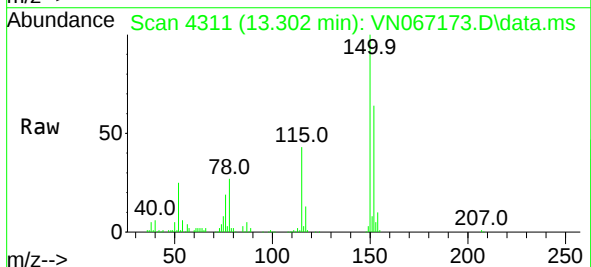
Instrument :
MSVOA_N
ClientSampled :
31046

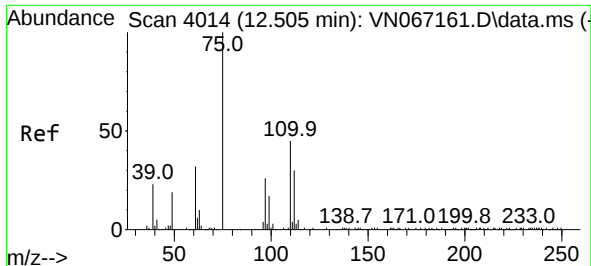
Tgt Ion:104 Resp: 55
Ion Ratio Lower Upper
104 100
78 481.8 37.7 56.5#
103 185.5 44.2 66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.006 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion:152 Resp: 126720
Ion Ratio Lower Upper
152 100
115 63.2 27.0 80.8
150 176.0 0.0 350.2

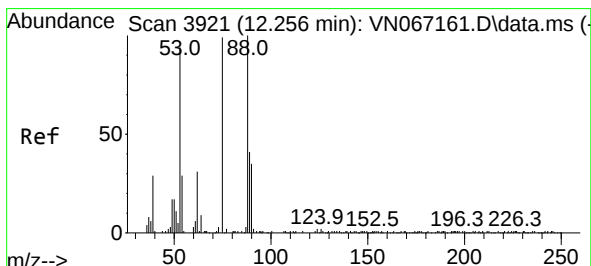
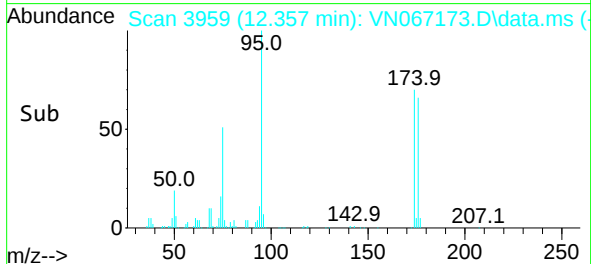
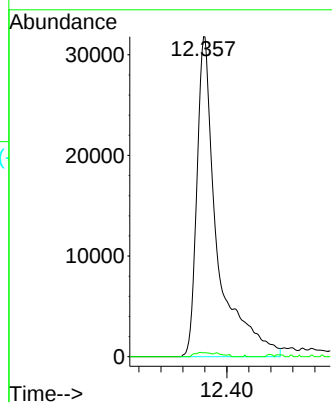
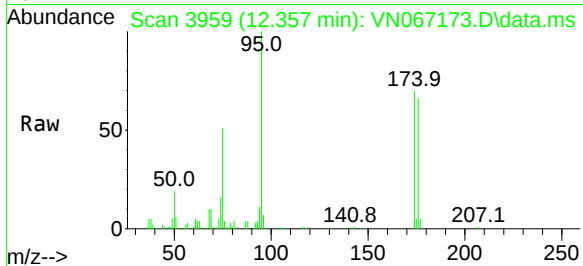




#76
1,2,3-Trichloropropane
Concen: 23.17 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.148 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

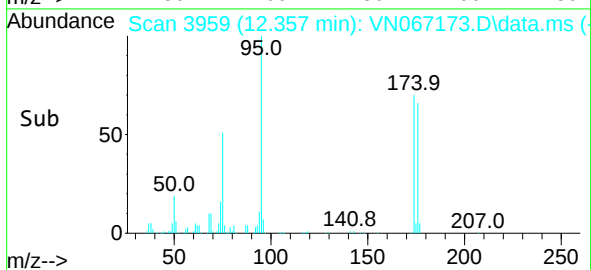
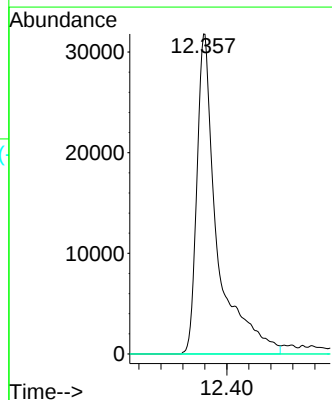
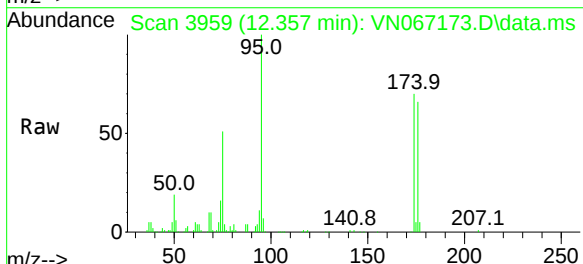
Instrument :
MSVOA_N
ClientSampled :
31046

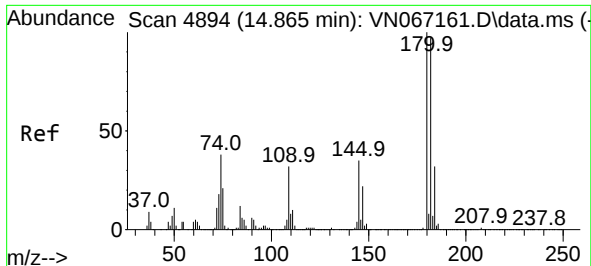
Tgt Ion: 75 Resp: 81752
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.82 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.101 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion: 75 Resp: 81752
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

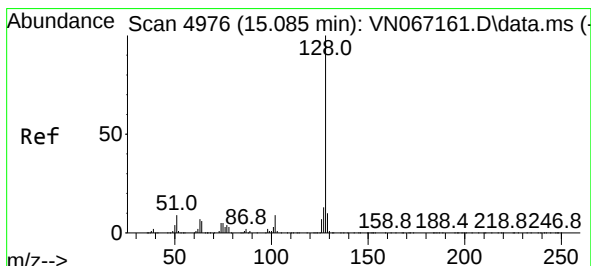
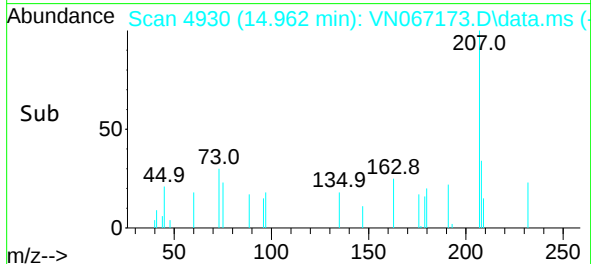
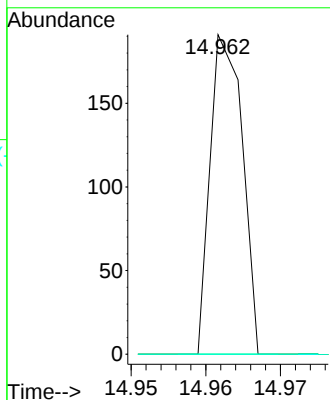
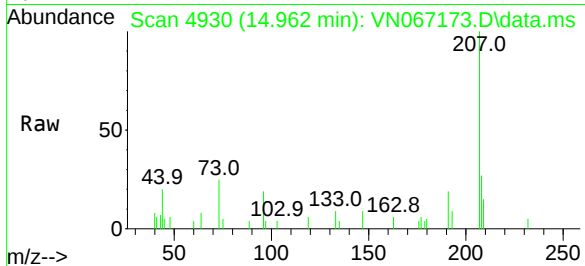




#93
1,2,4-Trichlorobenzene
Concen: 3.29 ug/l
RT: 14.962 min Scan# 4930
Delta R.T. 0.097 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Instrument :
MSVOA_N
ClientSampleId :
31046

Tgt Ion:180 Resp: 57
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 0.0 14.0 42.0#



#95
Naphthalene
Concen: 3.90 ug/l
RT: 15.125 min Scan# 4991
Delta R.T. 0.040 min
Lab File: VN067173.D
Acq: 26 May 2021 17:42

Tgt Ion:128 Resp: 264
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

