

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081021\
 Data File : VN068057.D
 Acq On : 10 Aug 2021 13:27
 Operator : JC/MD
 Sample : M3323-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 11 06:31:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

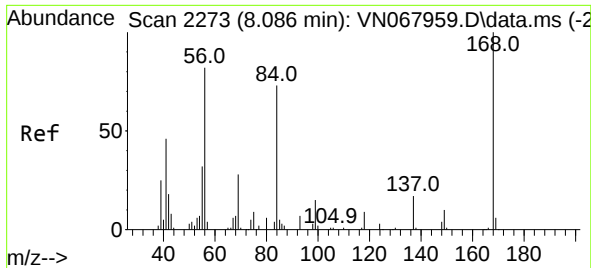
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	335314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	643090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	639595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	227549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	234910	49.49	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.98%		
35) Dibromofluoromethane	8.024	113	179052	47.77	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.54%		
50) Toluene-d8	10.443	98	751072	43.93	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.86%		
62) 4-Bromofluorobenzene	12.736	95	253081	40.97	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	81.94%		
Target Compounds						Qvalue
10) Methyl Iodide	4.409	142	115	3.15	ug/l #	33
13) Acrolein	4.039	56	153	0.35	ug/l #	78
16) Acetone	4.304	43	6811	3.93	ug/l	94
18) Methyl Acetate	4.865	43	2259	0.44	ug/l #	80
20) Methylene Chloride	5.090	84	33543	8.15	ug/l	84
23) Vinyl Acetate	6.672	43	55	8.81	ug/l #	75
25) 2-Butanone	7.354	43	1311	0.52	ug/l #	51
29) Tetrahydrofuran	7.705	42	868	0.54	ug/l #	75
31) Cyclohexane	8.088	56	8602	1.23	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28869	4.85	ug/l #	52
38) Carbon Tetrachloride	8.088	117	37230	6.36	ug/l #	17
48) Methyl methacrylate	9.572	41	51	2.32	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	2406	12.90	ug/l #	86
53) t-1,3-Dichloropropene	10.719	75	120	2.85	ug/l #	1
54) cis-1,3-Dichloropropene	10.443	75	84	2.37	ug/l #	10
56) Ethyl methacrylate	10.765	69	52	3.10	ug/l #	17
59) 2-Hexanone	11.092	43	2738	13.82	ug/l #	61
60) Dibromochloromethane	10.974	129	214	3.34	ug/l #	11
68) m/p-Xylenes	11.956	106	527	4.11	ug/l #	58
70) Styrene	12.302	104	261	2.65	ug/l #	29
71) Bromoform	12.728	173	637	4.17	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	137669	30.13	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	137669	81.17	ug/l #	6
89) n-Butylbenzene	13.946	91	2510	0.21	ug/l	94
93) 1,2,4-Trichlorobenzene	15.260	180	1136	2.79	ug/l	79
95) Naphthalene	15.509	128	7129	3.82	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.700	180	1669	2.88	ug/l	86

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

Quant Time: Aug 11 06:31:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

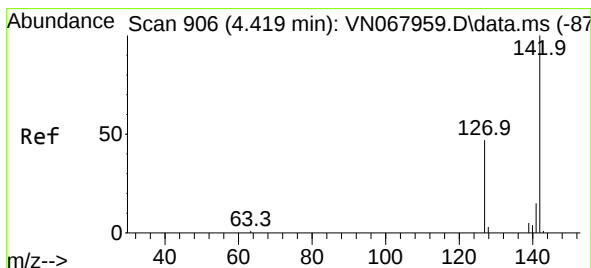
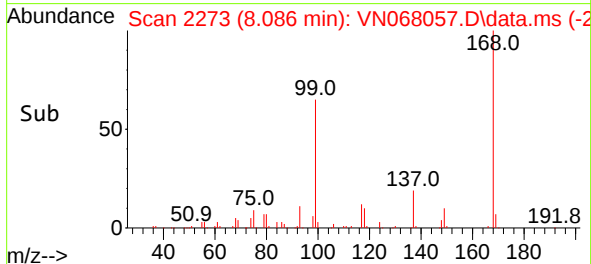
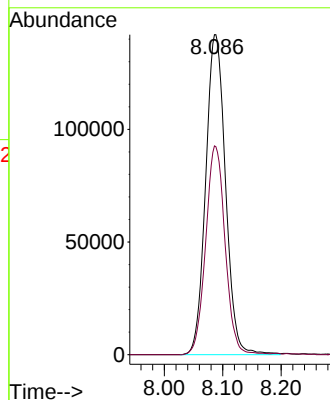
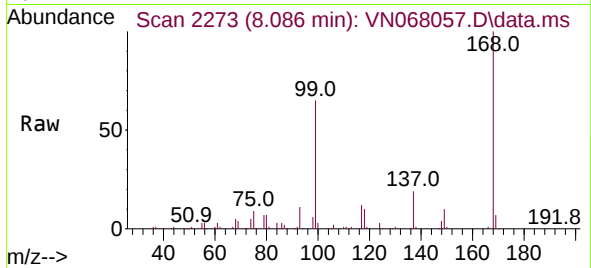




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

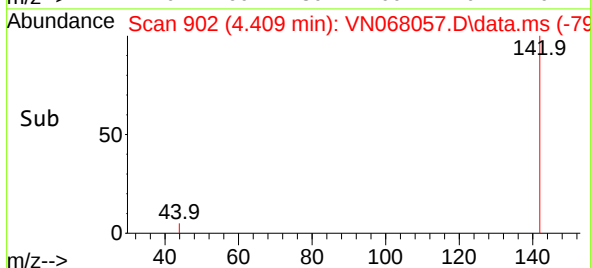
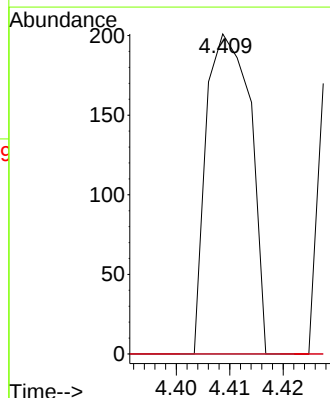
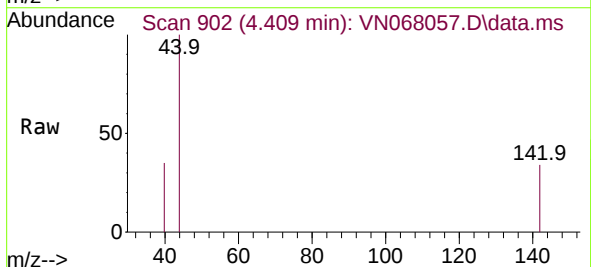
Instrument :
MSVOA_N
ClientSampled :

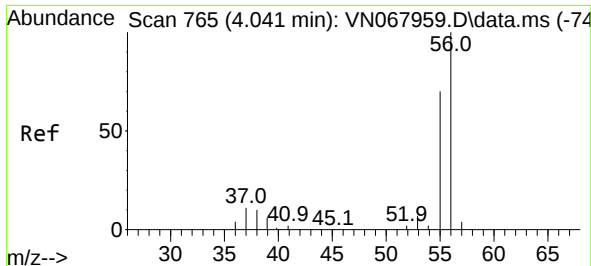
Tgt Ion:168 Resp: 335314
Ion Ratio Lower Upper
168 100
99 65.2 62.9 94.3



#10
Methyl Iodide
Concen: 3.15 ug/l
RT: 4.409 min Scan# 902
Delta R.T. -0.010 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

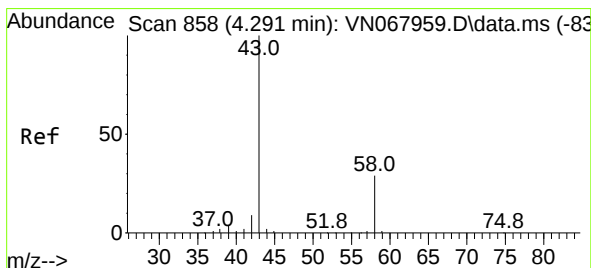
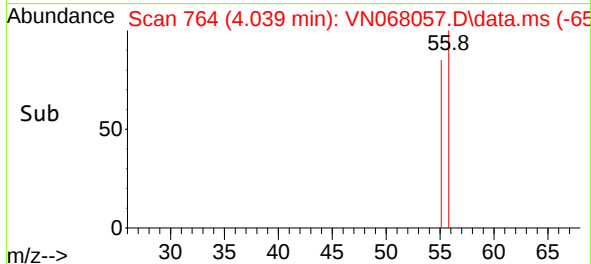
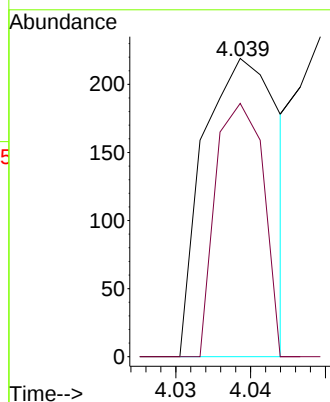
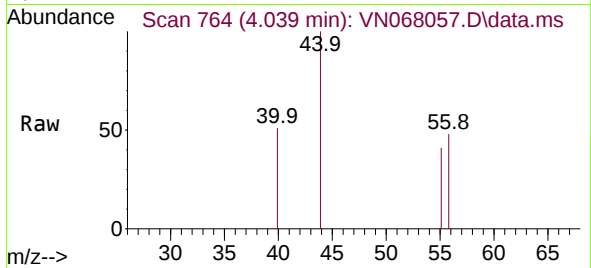




#13
Acrolein
Concen: 0.35 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

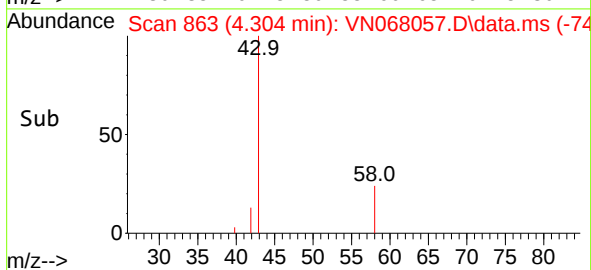
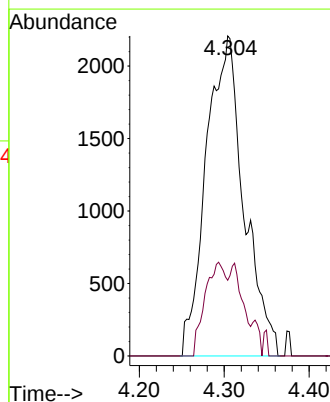
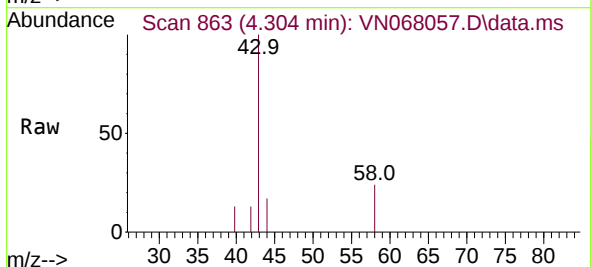
Instrument :
MSVOA_N
ClientSampled :

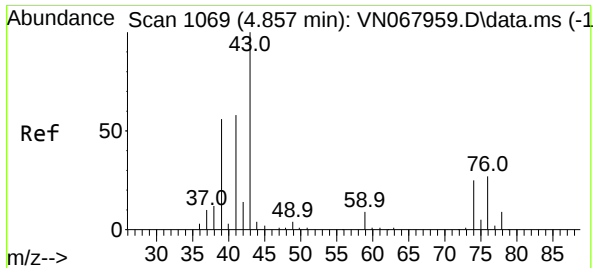
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 53.6 57.4 86.0#



#16
Acetone
Concen: 3.93 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion: 43 Resp: 6811
Ion Ratio Lower Upper
43 100
58 23.6 21.2 31.8

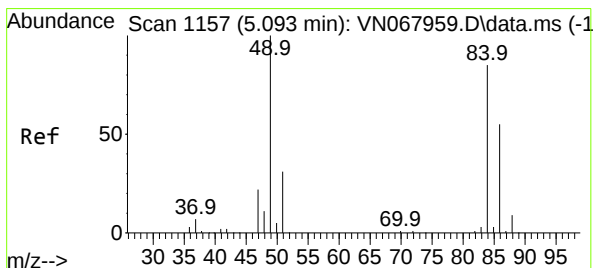
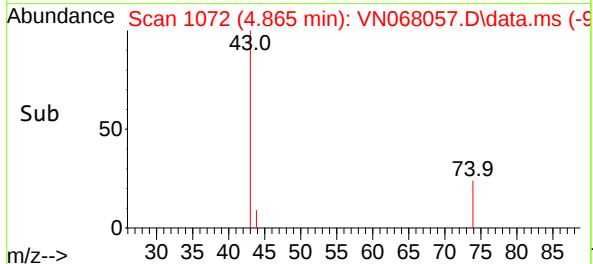
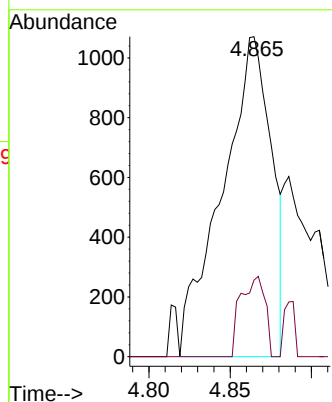
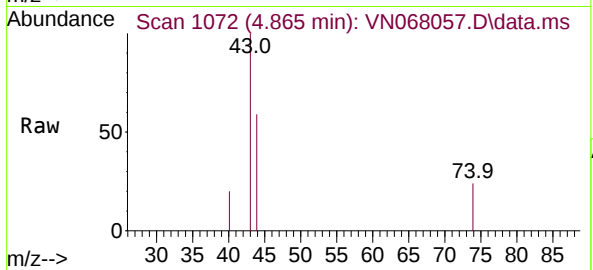




#18
Methyl Acetate
Concen: 0.44 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

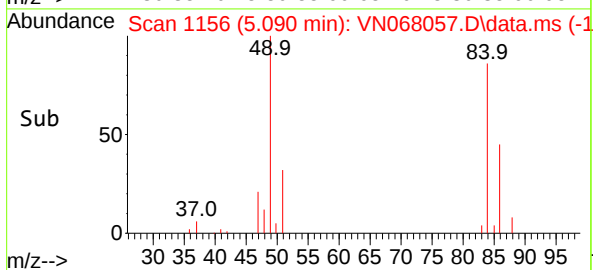
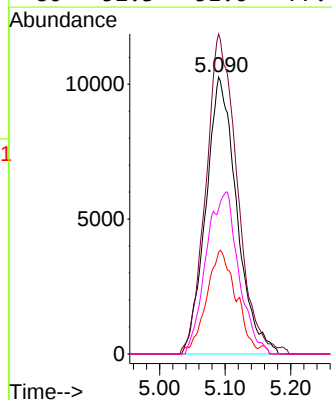
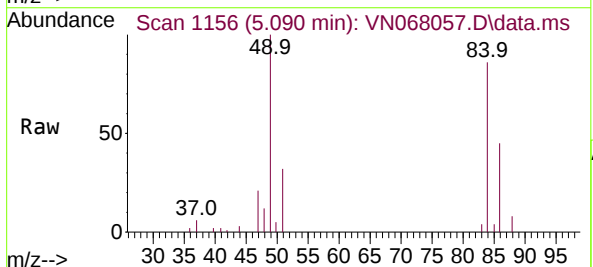
Instrument :
MSVOA_N
ClientSampled :

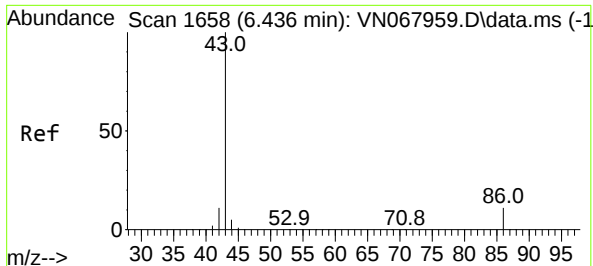
Tgt Ion: 43 Resp: 2259
Ion Ratio Lower Upper
43 100
74 12.3 17.4 26.0#



#20
Methylene Chloride
Concen: 8.15 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion: 84 Resp: 33543
Ion Ratio Lower Upper
84 100
49 115.6 110.9 166.3
51 36.8 32.6 49.0
86 52.3 51.6 77.4

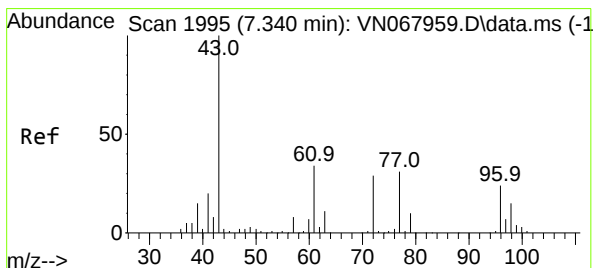
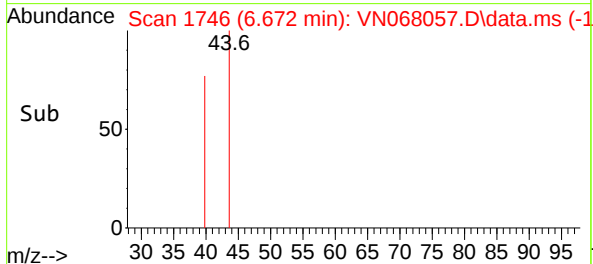
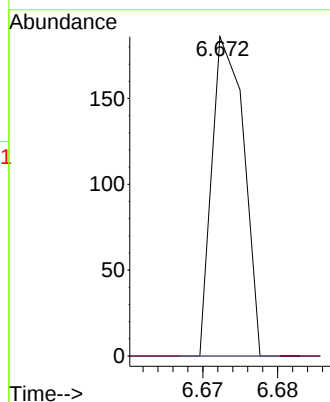
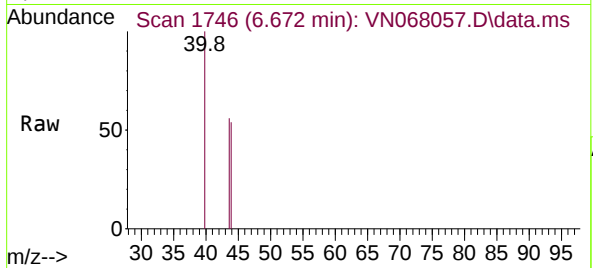




#23
 Vinyl Acetate
 Concen: 8.81 ug/l
 RT: 6.672 min Scan# 1746
 Delta R.T. 0.236 min
 Lab File: VN068057.D
 Acq: 10 Aug 2021 13:27

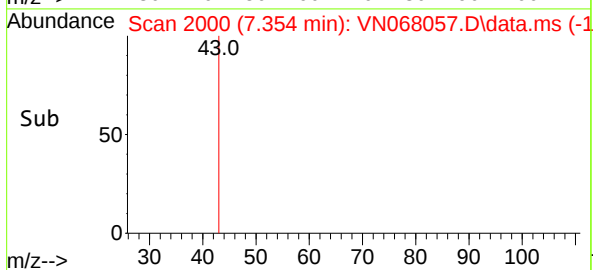
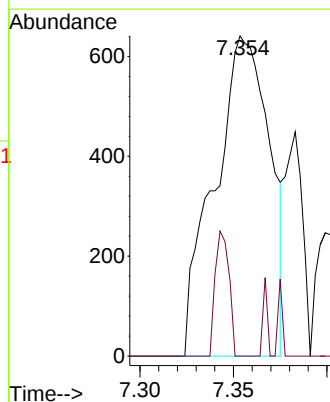
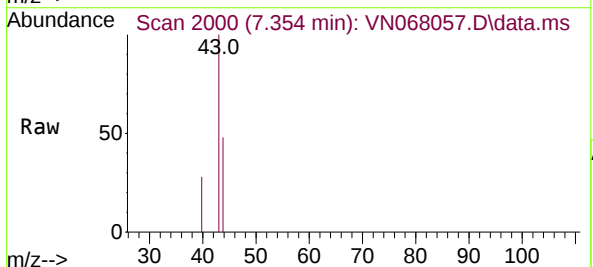
Instrument :
 MSVOA_N
 ClientSampled :

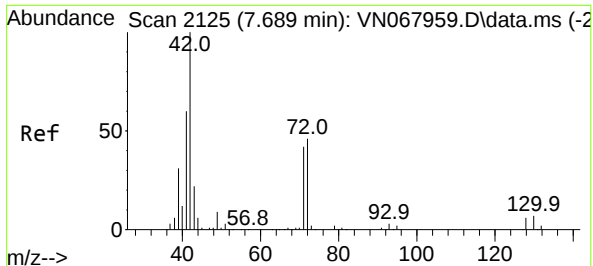
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#25
 2-Butanone
 Concen: 0.52 ug/l
 RT: 7.354 min Scan# 2000
 Delta R.T. 0.014 min
 Lab File: VN068057.D
 Acq: 10 Aug 2021 13:27

Tgt Ion: 43 Resp: 1311
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.54 ug/l

RT: 7.705 min Scan# 2131

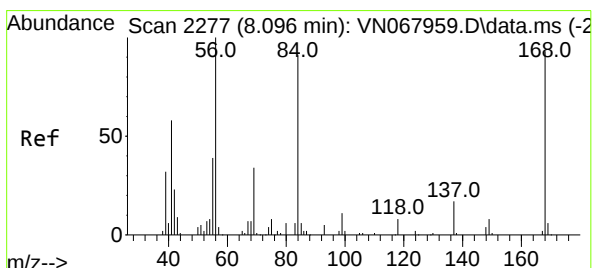
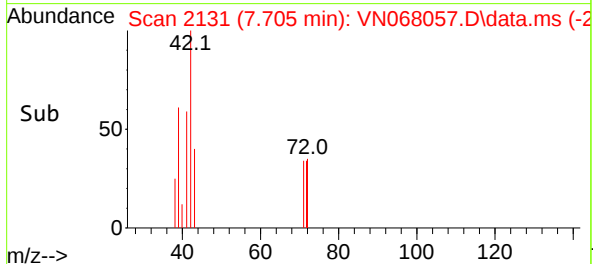
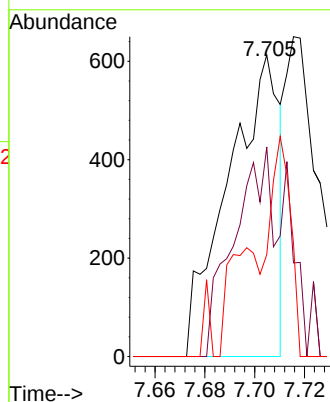
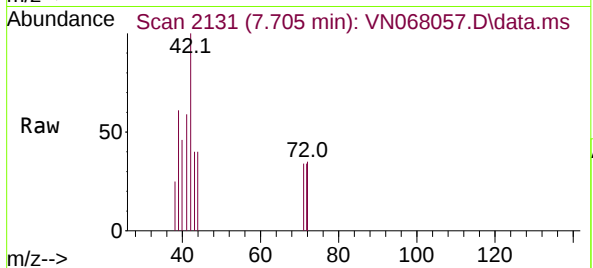
Delta R.T. 0.016 min

Lab File: VN068057.D

Acq: 10 Aug 2021 13:27

Tgt Ion:	42	Resp:	868
Ion	Ratio	Lower	Upper
42	100		
72	55.4	32.8	49.2#
71	22.2	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.23 ug/l

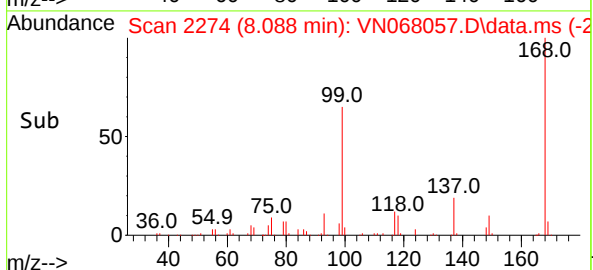
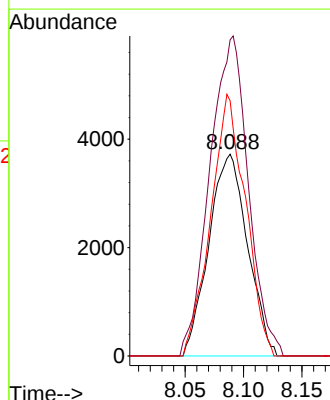
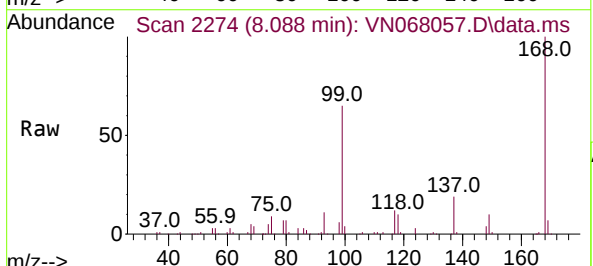
RT: 8.088 min Scan# 2274

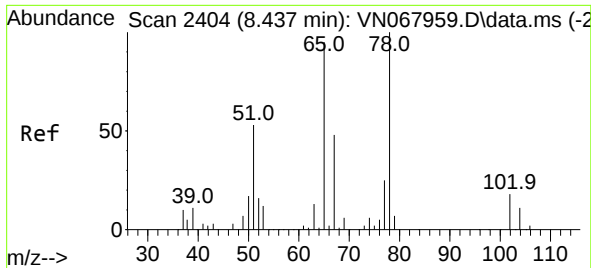
Delta R.T. -0.008 min

Lab File: VN068057.D

Acq: 10 Aug 2021 13:27

Tgt Ion:	56	Resp:	8602
Ion	Ratio	Lower	Upper
56	100		
69	156.7	27.3	40.9#
84	126.5	64.9	97.3#

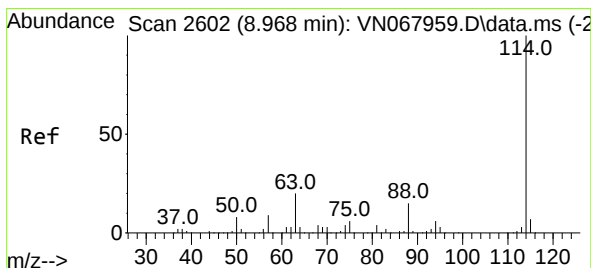
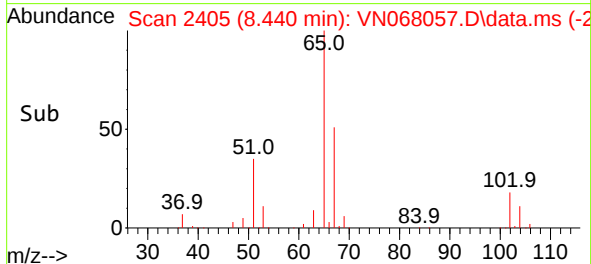
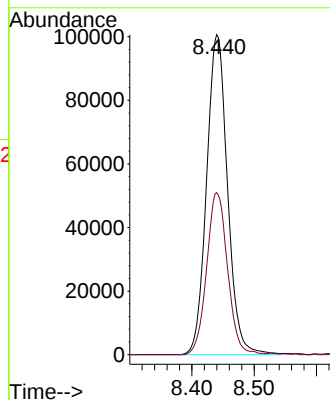
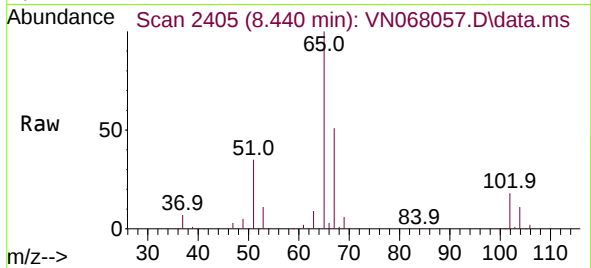




#33
 1,2-Dichloroethane-d4
 Concen: 49.49 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN068057.D
 Acq: 10 Aug 2021 13:27

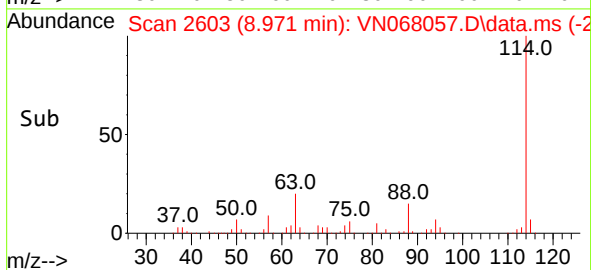
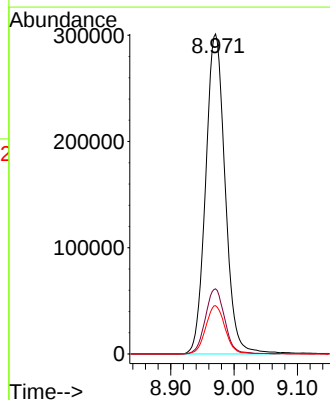
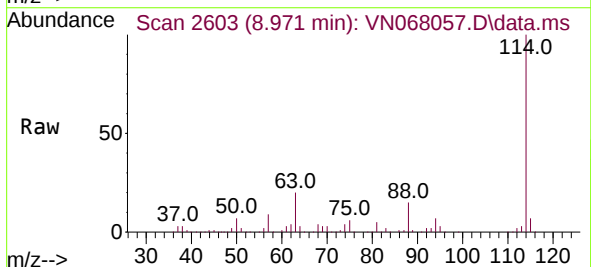
Instrument :
 MSVOA_N
 ClientSampled :

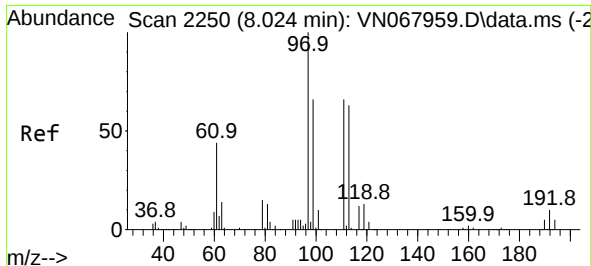
Tgt Ion: 65 Resp: 234910
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068057.D
 Acq: 10 Aug 2021 13:27

Tgt Ion: 114 Resp: 643090
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 49.0
 88 15.1 0.0 36.6

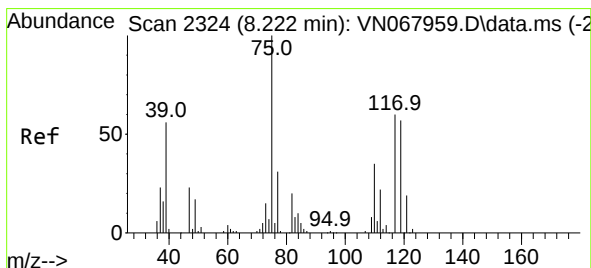
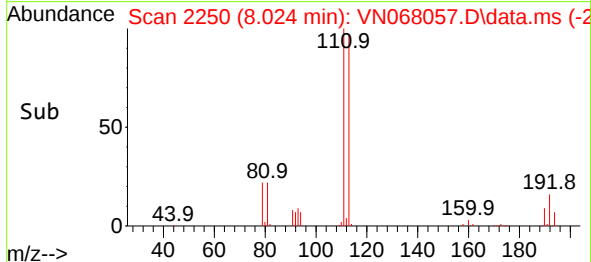
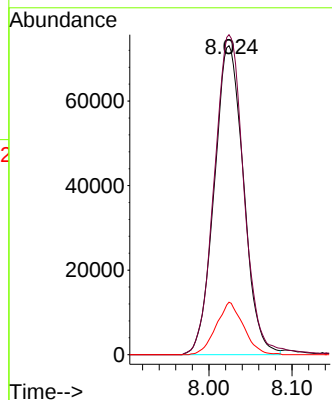
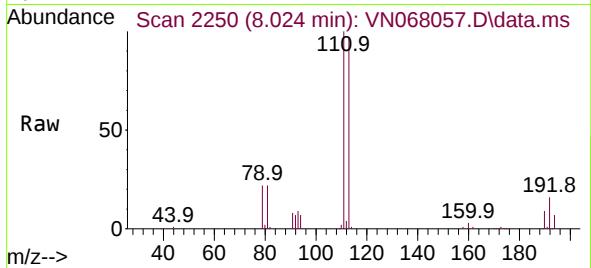




#35
Dibromofluoromethane
Concen: 47.77 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

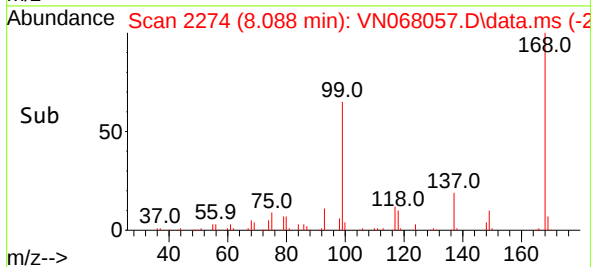
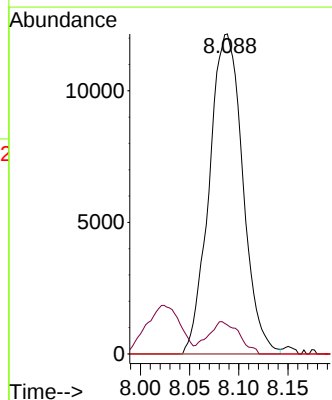
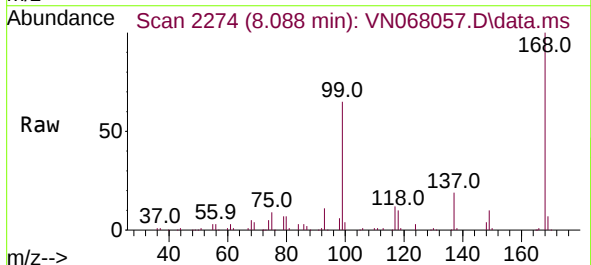
Instrument :
MSVOA_N
ClientSampled :

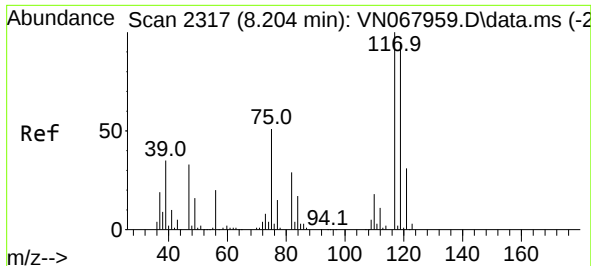
Tgt Ion:113 Resp: 179052
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.8
192 15.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

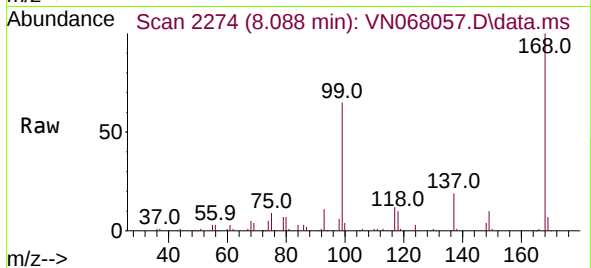
Tgt Ion: 75 Resp: 28869
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



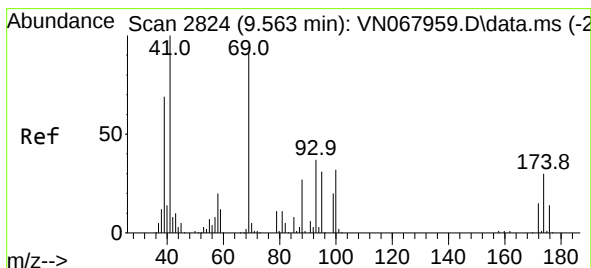
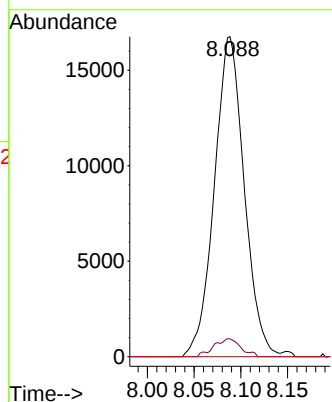
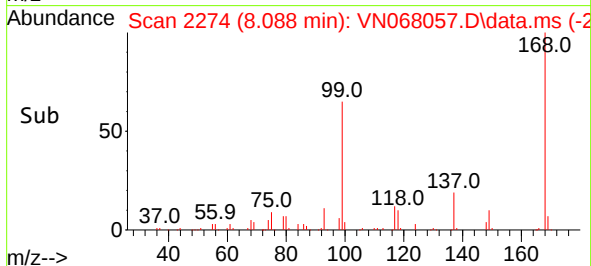


#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

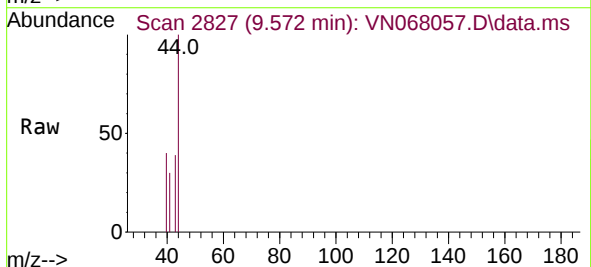
Instrument :
MSVOA_N
ClientSampleId :



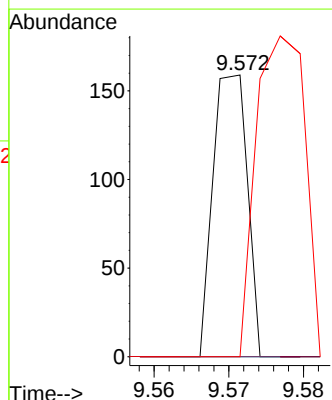
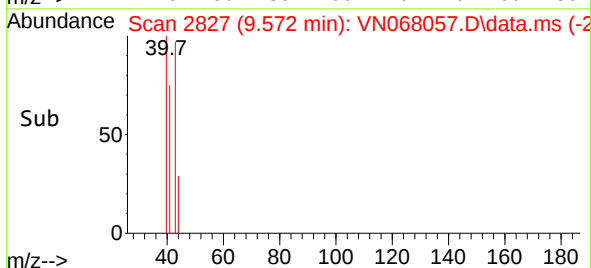
Tgt Ion:117 Resp: 37230
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 23.5 35.3#

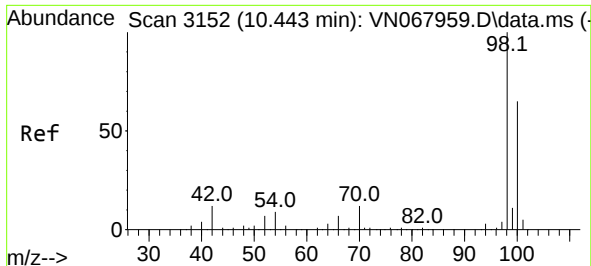


#48
Methyl methacrylate
Concen: 2.32 ug/l
RT: 9.572 min Scan# 2827
Delta R.T. 0.008 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27



Tgt Ion: 41 Resp: 51
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 160.8 53.3 79.9#

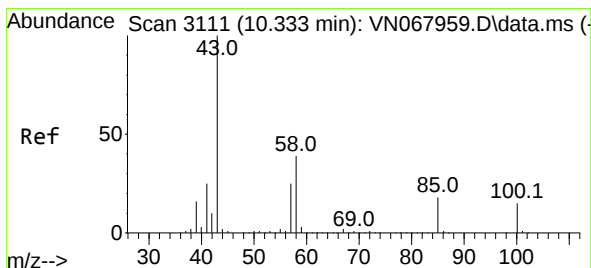
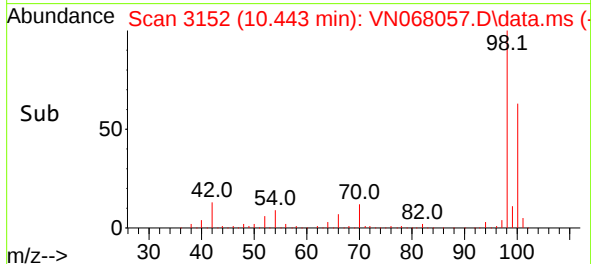
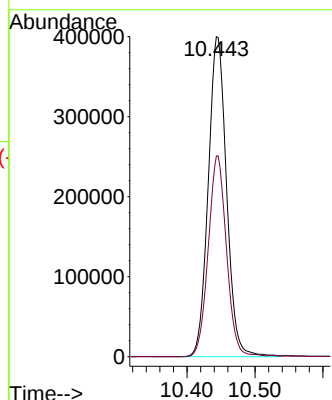
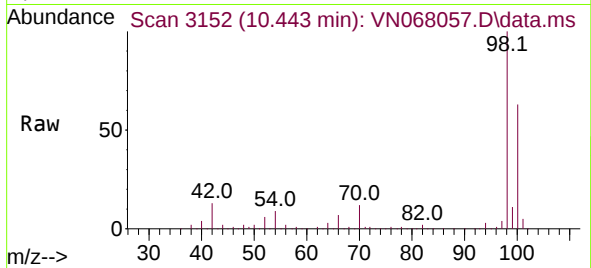




#50
Toluene-d8
Concen: 43.93 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

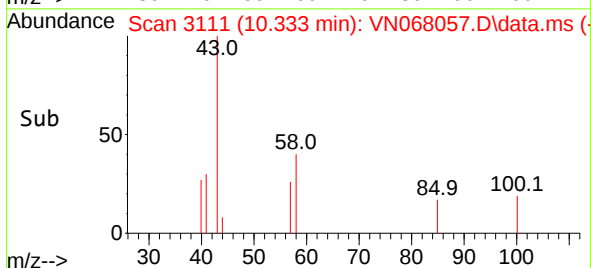
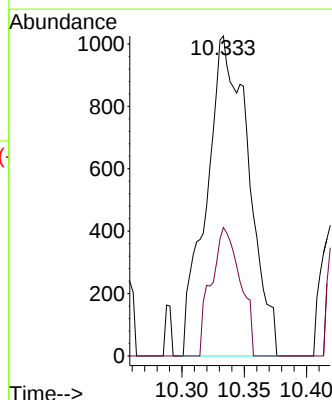
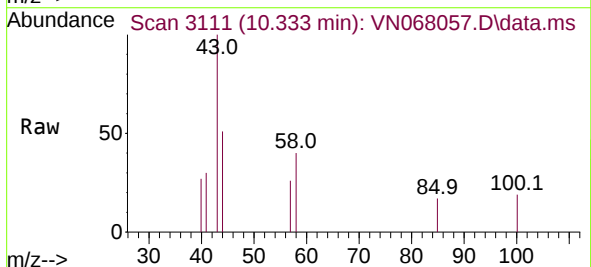
Instrument :
MSVOA_N
ClientSampled :

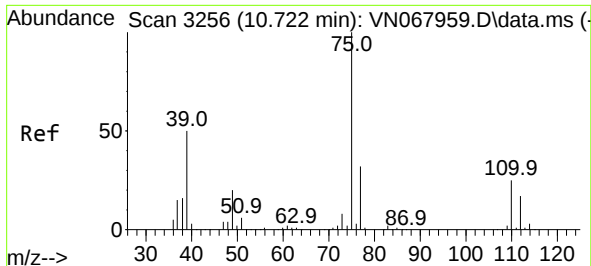
Tgt Ion: 98 Resp: 751072
Ion Ratio Lower Upper
98 100
100 62.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.90 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
58 27.7 28.6 43.0#

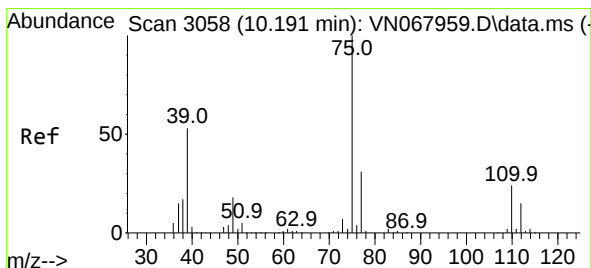
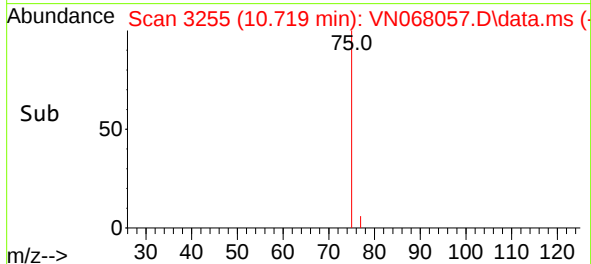
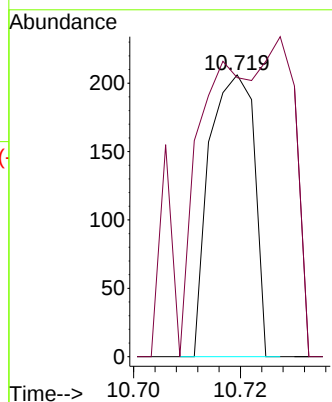
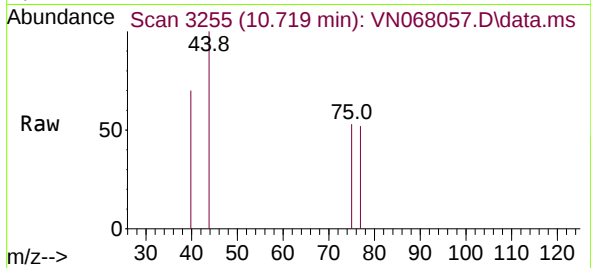




#53
t-1,3-Dichloropropene
Concen: 2.85 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. -0.003 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

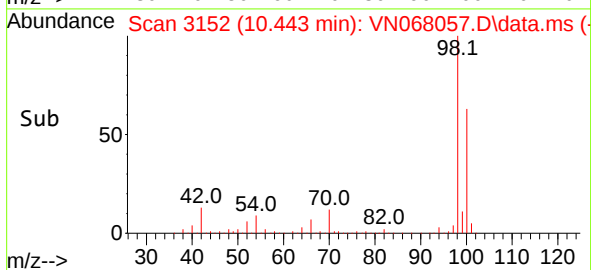
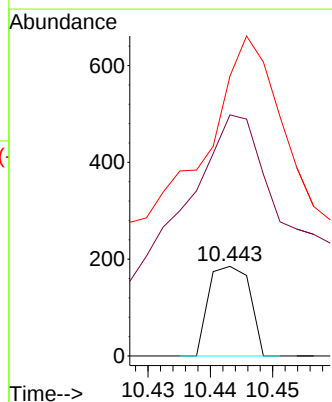
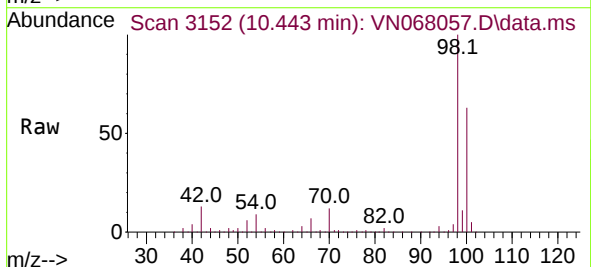
Instrument :
MSVOA_N
ClientSampled :

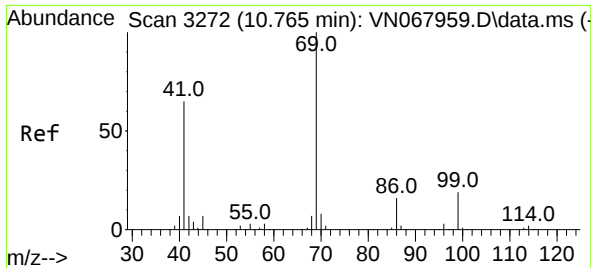
Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
77 99.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.37 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
77 119.5 24.6 37.0#
39 105.9 50.7 76.1#

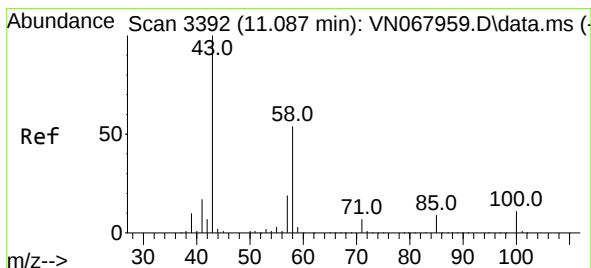
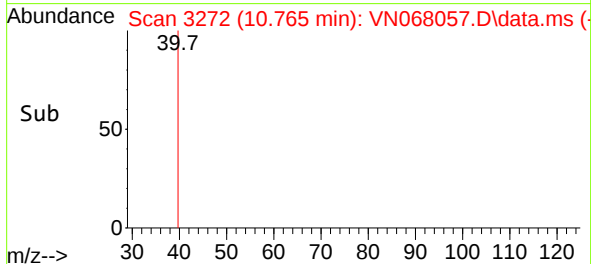
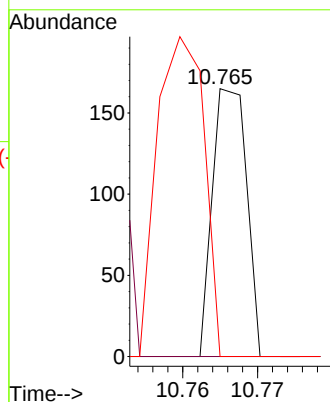
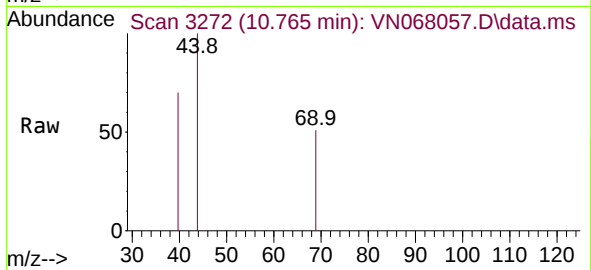




#56
Ethyl methacrylate
Concen: 3.10 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. -0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

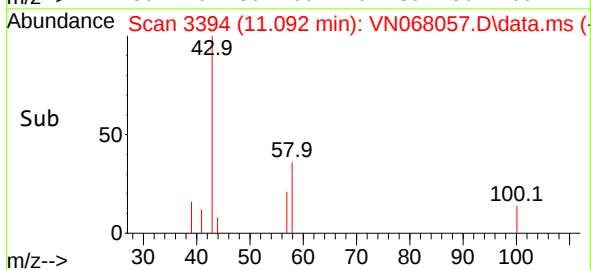
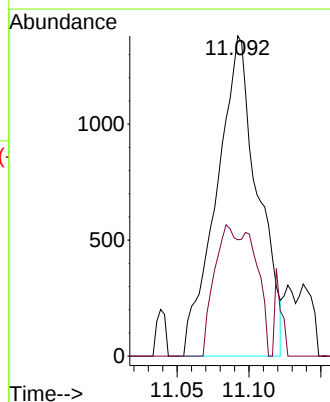
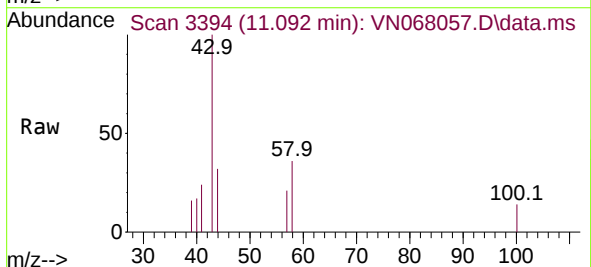
Instrument :
MSVOA_N
ClientSampled :

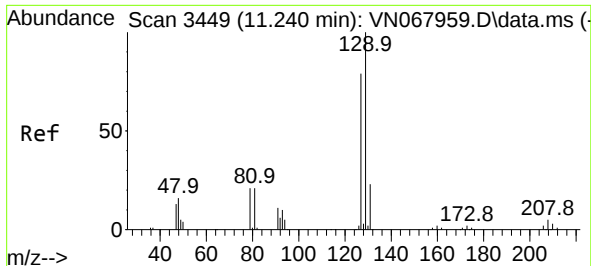
Tgt Ion: 69 Resp: 52
Ion Ratio Lower Upper
69 100
41 53.8 58.6 88.0#
39 165.4 38.3 57.5#



#59
2-Hexanone
Concen: 13.82 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion: 43 Resp: 2738
Ion Ratio Lower Upper
43 100
58 23.0 24.7 74.1#

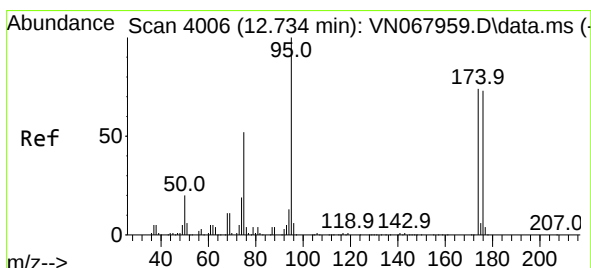
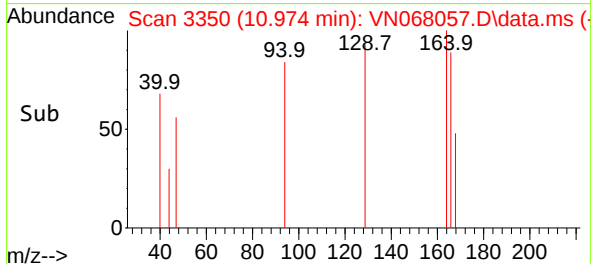
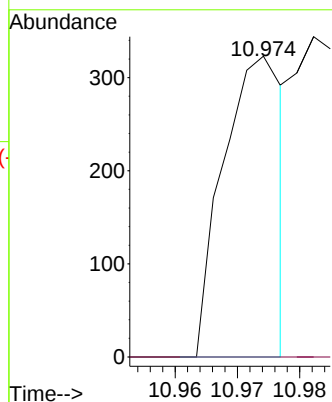
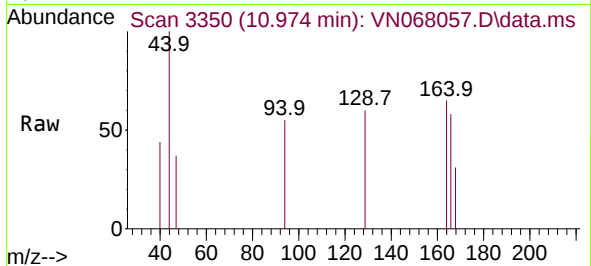




#60
Dibromochloromethane
Concen: 3.34 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

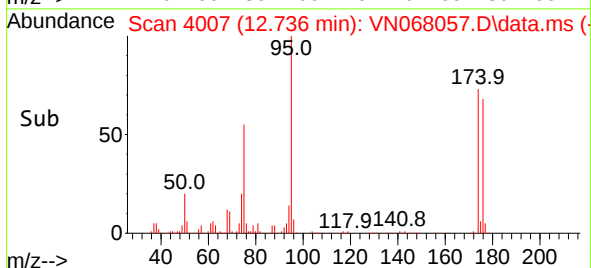
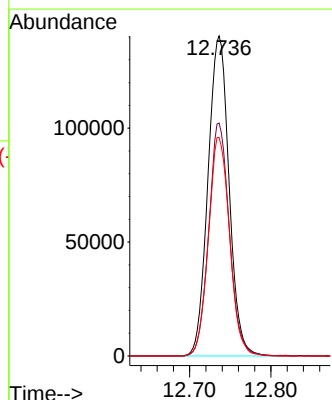
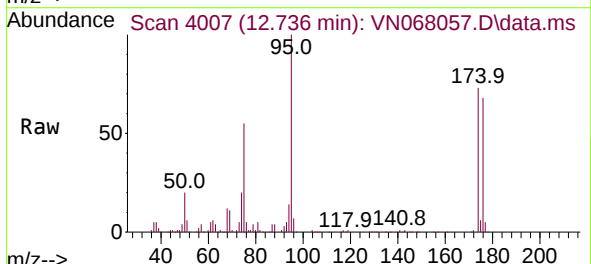
Instrument :
MSVOA_N
ClientSampleId :

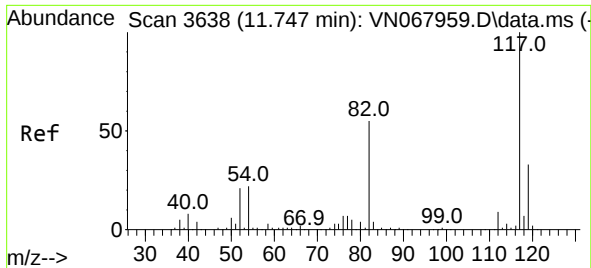
Tgt Ion:129 Resp: 214
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 40.97 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion: 95 Resp: 253081
Ion Ratio Lower Upper
95 100
174 71.4 0.0 122.0
176 68.4 0.0 117.6

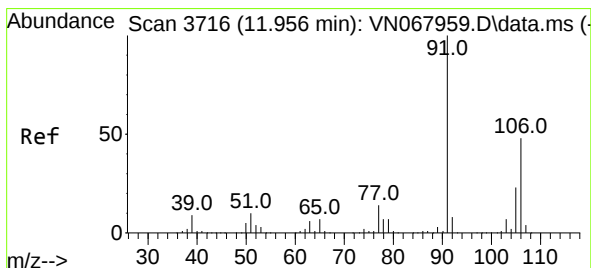
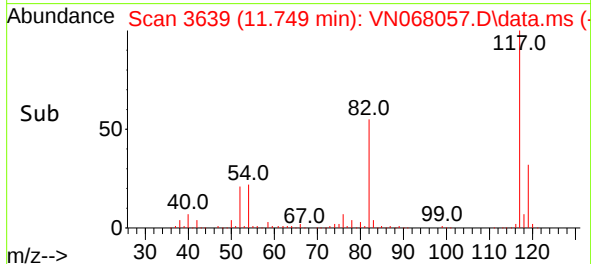
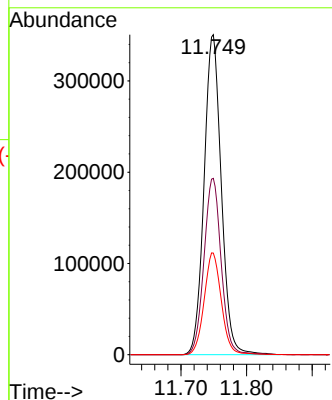
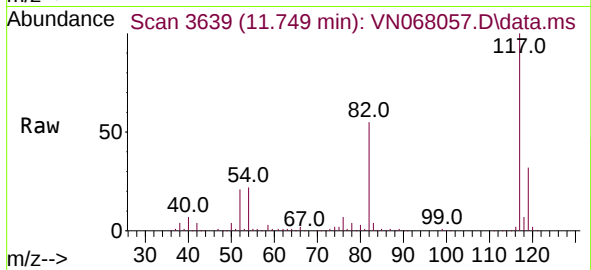




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

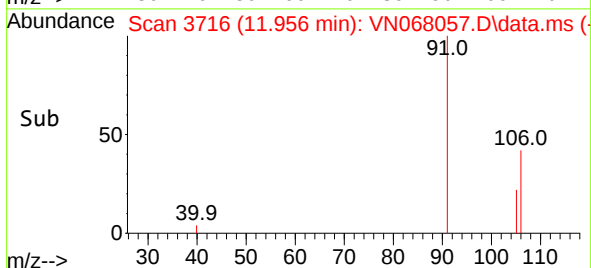
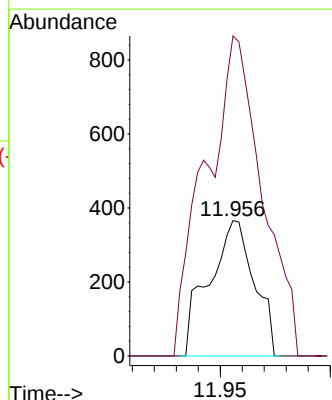
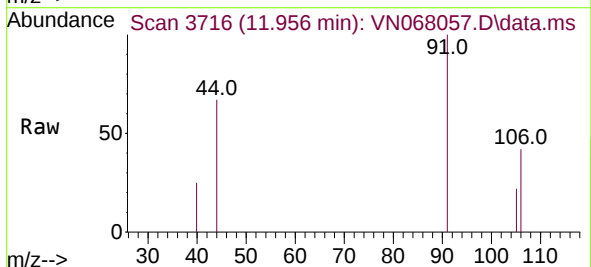
Instrument :
MSVOA_N
ClientSampleId :

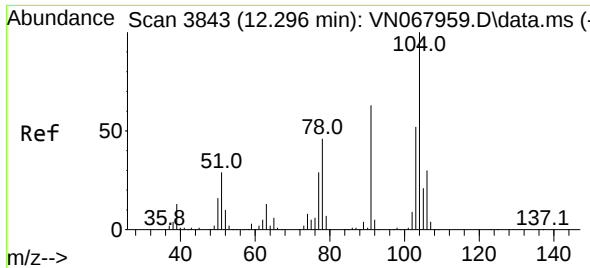
Tgt Ion:117 Resp: 639595
Ion Ratio Lower Upper
117 100
82 55.1 53.1 79.7
119 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 4.11 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion:106 Resp: 527
Ion Ratio Lower Upper
106 100
91 293.7 180.6 270.8#

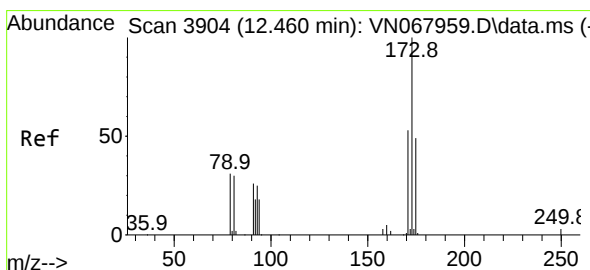
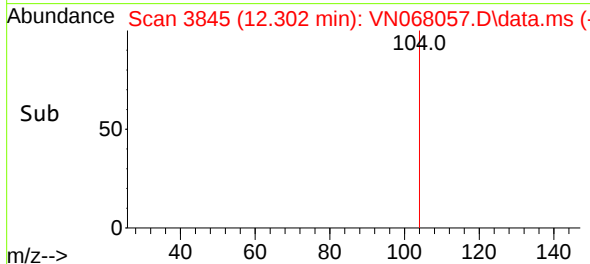
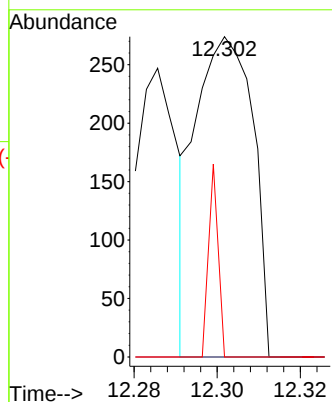
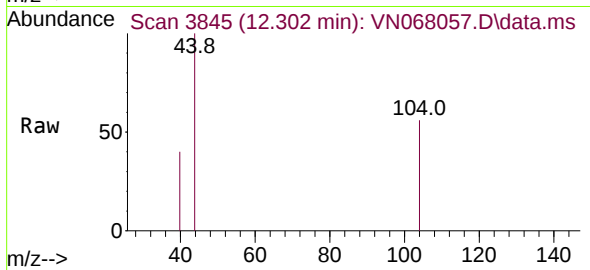




#70
Styrene
Concen: 2.65 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.006 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

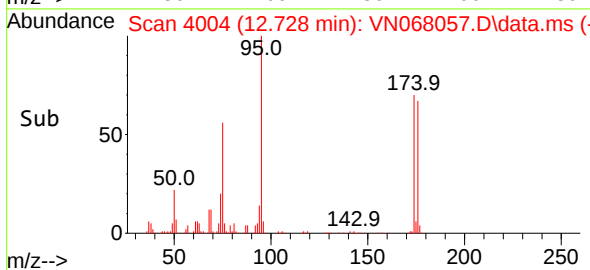
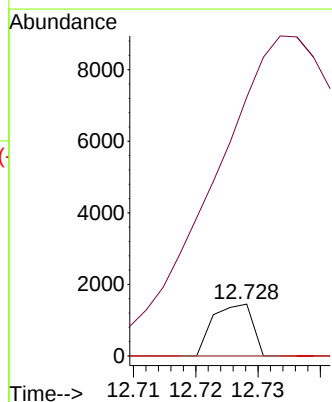
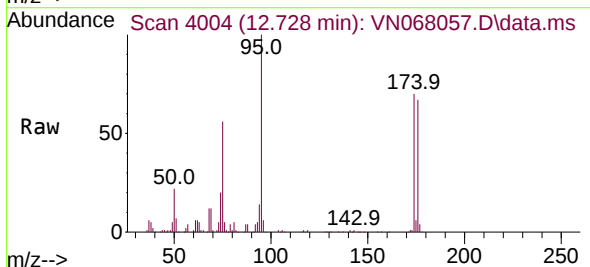
Instrument :
MSVOA_N
ClientSampled :

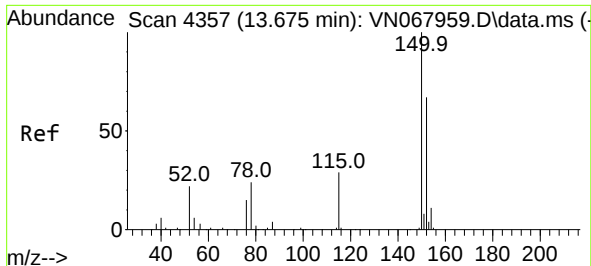
Tgt Ion:104 Resp: 261
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 10.3 44.5 66.7#



#71
Bromoform
Concen: 4.17 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion:173 Resp: 637
Ion Ratio Lower Upper
173 100
175 2200.9 23.9 71.8#
254 0.0 0.0 0.0

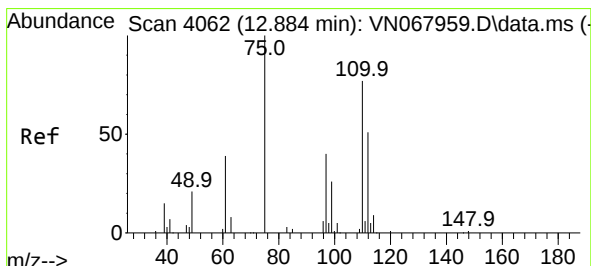
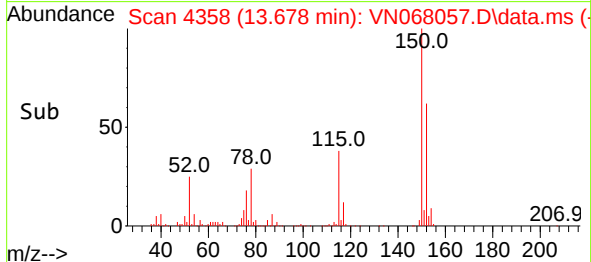
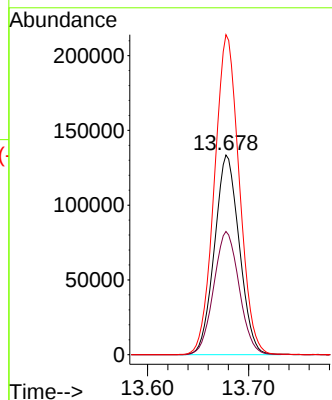
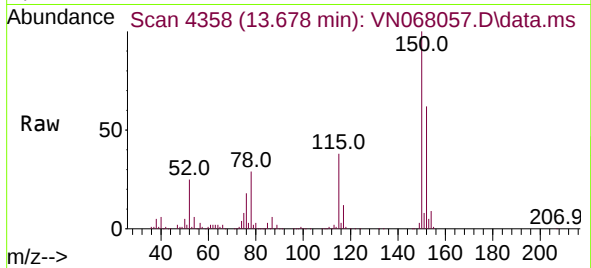




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

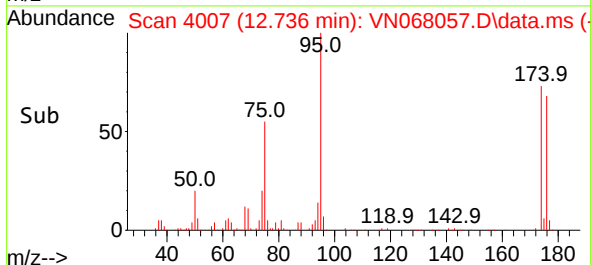
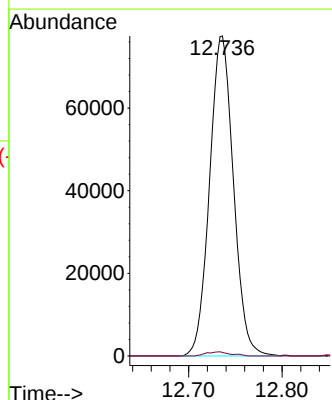
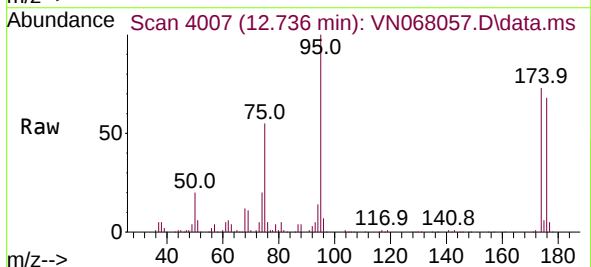
Instrument :
MSVOA_N
ClientSampled :

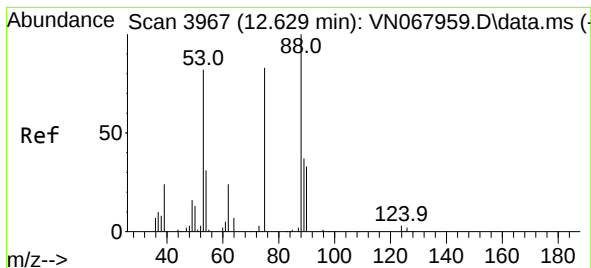
Tgt Ion:152 Resp: 227549
Ion Ratio Lower Upper
152 100
115 63.3 36.1 108.5
150 160.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 30.13 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

Tgt Ion: 75 Resp: 137669
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

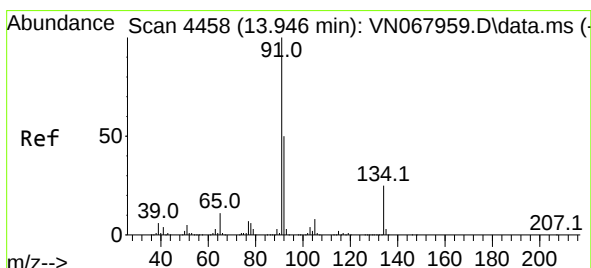
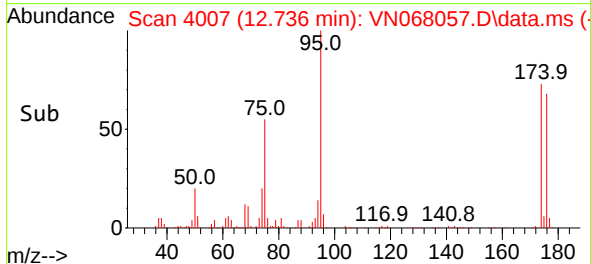
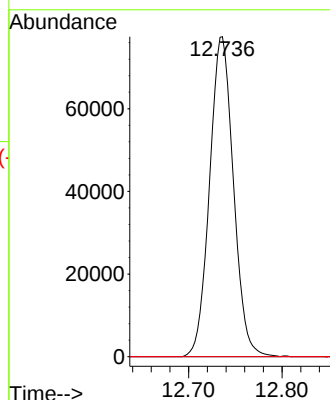
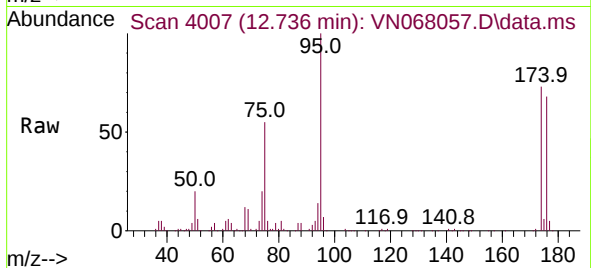




#81
trans-1,4-Dichloro-2-butene
Concen: 81.17 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

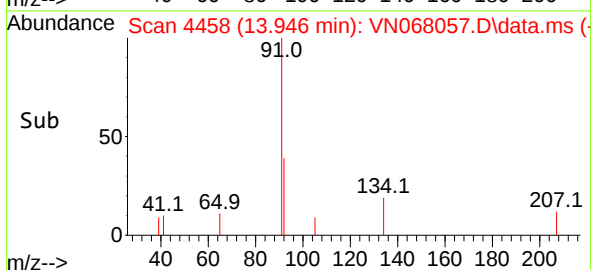
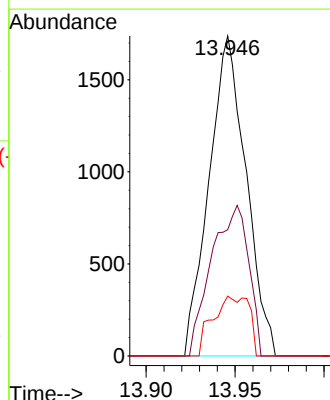
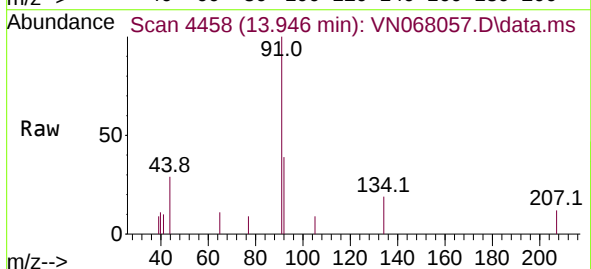
Instrument :
MSVOA_N
ClientSampled :

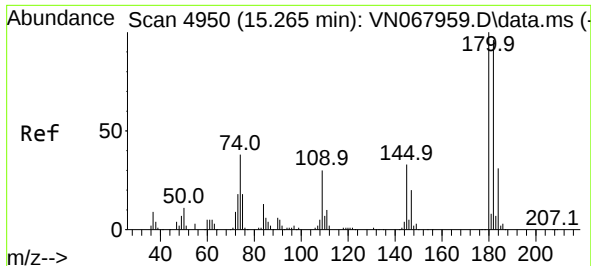
Tgt Ion: 75 Resp: 137669
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

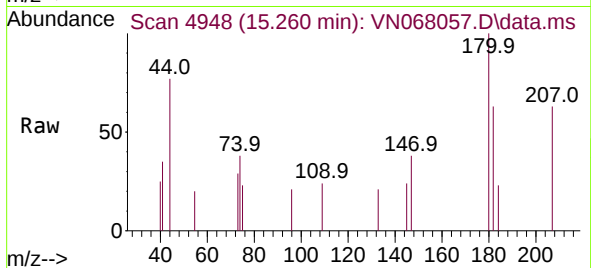
Tgt Ion: 91 Resp: 2510
Ion Ratio Lower Upper
91 100
92 47.5 25.7 77.1
134 18.4 11.2 33.6



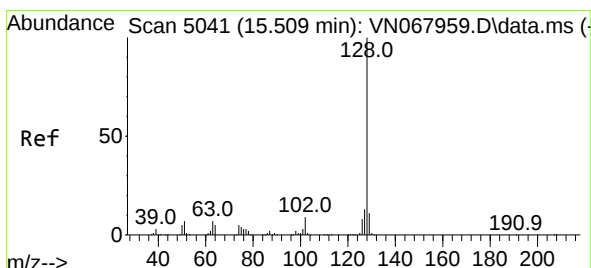
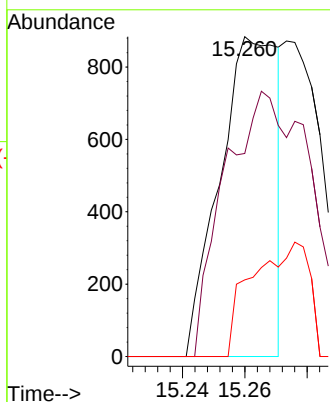
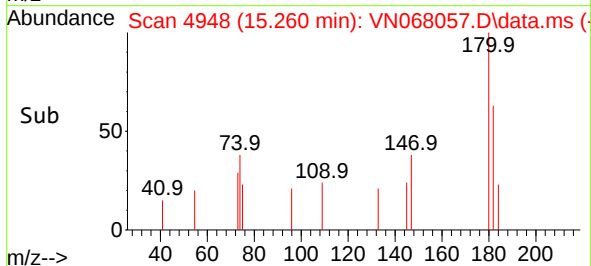


#93
1,2,4-Trichlorobenzene
Concen: 2.79 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27

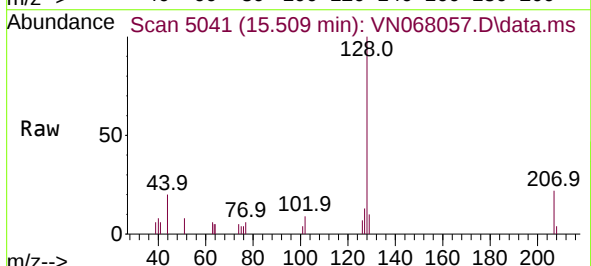
Instrument :
MSVOA_N
ClientSampled :



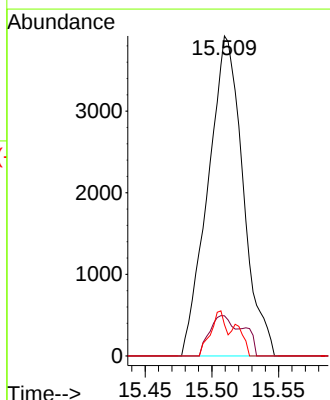
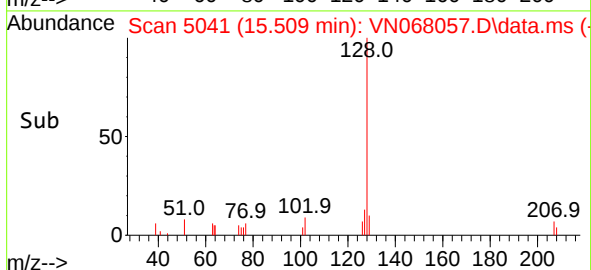
Tgt Ion:180 Resp: 1136
Ion Ratio Lower Upper
180 100
182 122.8 47.5 142.5
145 35.4 17.2 51.6

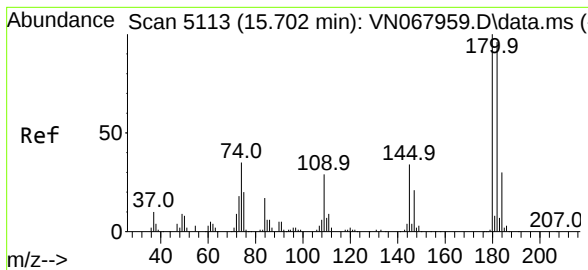


#95
Naphthalene
Concen: 3.82 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068057.D
Acq: 10 Aug 2021 13:27



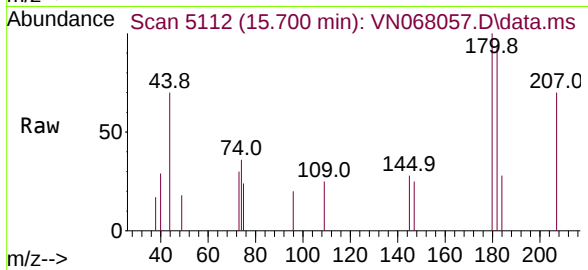
Tgt Ion:128 Resp: 7129
Ion Ratio Lower Upper
128 100
127 9.1 10.6 15.8#
129 6.1 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.88 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN068057.D
 Acq: 10 Aug 2021 13:27

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:	180	Resp:	1669
Ion	Ratio	Lower	Upper
180	100		
182	106.1	47.8	143.3
145	23.4	18.2	54.6

