

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069004.D
 Acq On : 19 Oct 2021 2:29
 Operator : JC/MD
 Sample : M4244-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

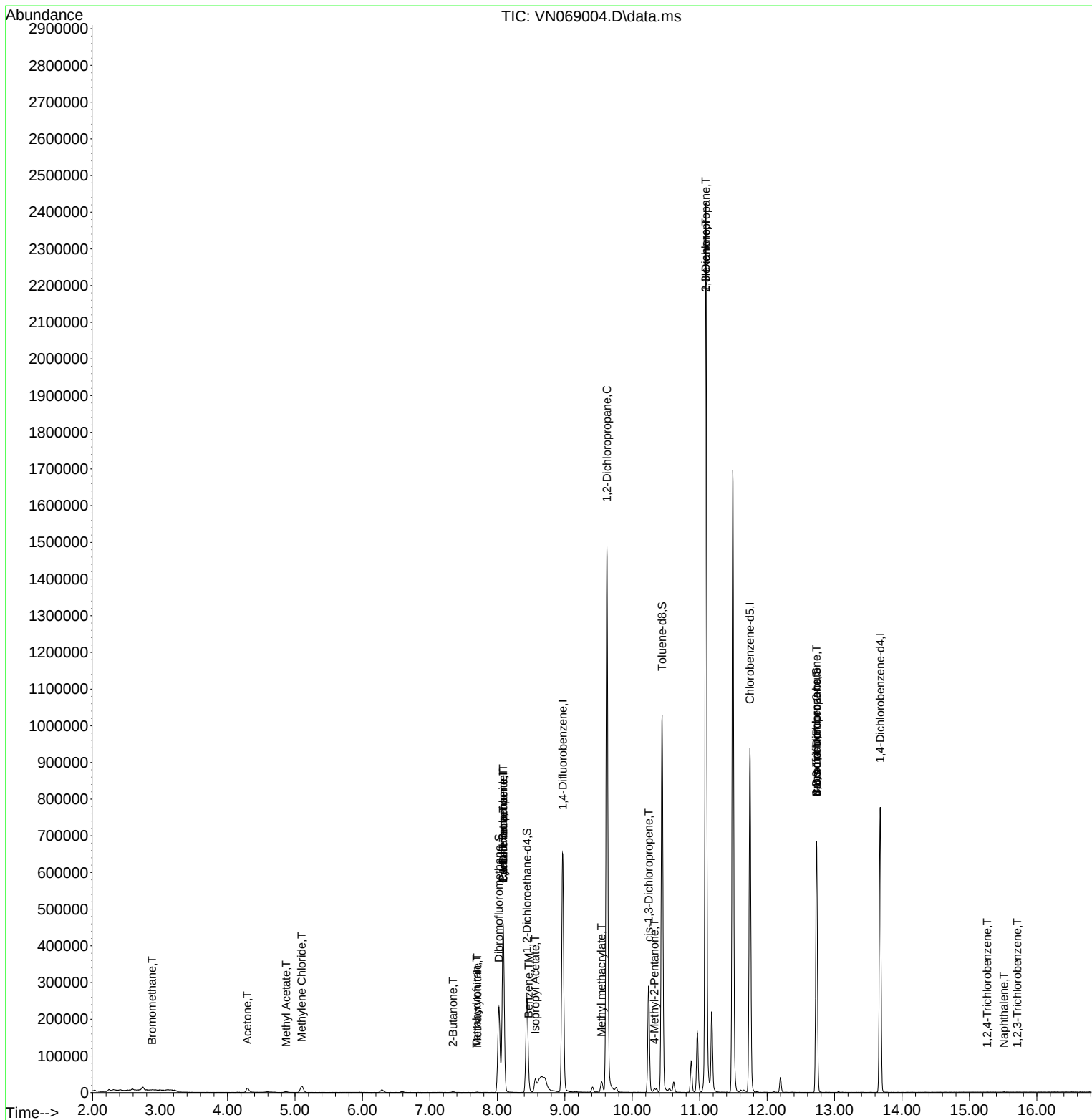
Quant Time: Oct 19 09:59:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

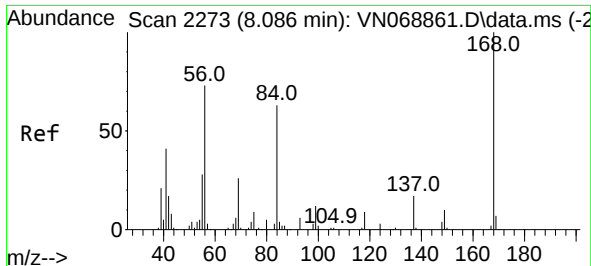
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	339821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.970	114	592062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	547792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	208216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	219633	49.021	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.040%		
35) Dibromofluoromethane	8.024	113	174104	50.543	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.080%		
50) Toluene-d8	10.443	98	728907	52.886	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.780%		
62) 4-Bromofluorobenzene	12.733	95	253423	48.735	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.460%		
Target Compounds						Qvalue
5) Bromomethane	2.880	94	549	0.237	ug/l	85
16) Acetone	4.293	43	21913	13.106	ug/l	98
18) Methyl Acetate	4.870	43	6247	0.985	ug/l #	88
20) Methylene Chloride	5.100	84	14639	3.804	ug/l	93
25) 2-Butanone	7.343	43	3865	1.529	ug/l	95
29) Tetrahydrofuran	7.694	42	561	0.342	ug/l #	52
31) Cyclohexane	8.085	56	7988	1.147	ug/l #	15
36) 1,1-Dichloropropene	8.085	75	27856	5.508	ug/l #	49
38) Carbon Tetrachloride	8.085	117	35770	6.440	ug/l #	16
40) Benzene	8.464	78	6800	0.442	ug/l	98
41) Methacrylonitrile	7.705	41	688	0.261	ug/l #	26
43) Isopropyl Acetate	8.565	43	43655	4.737	ug/l #	85
45) 1,2-Dichloropropane	9.625	63	1853	0.464	ug/l #	43
48) Methyl methacrylate	9.544	41	7597	1.755	ug/l #	13
51) 4-Methyl-2-Pentanone	10.330	43	6333	1.185	ug/l	96
54) cis-1,3-Dichloropropene	10.244	75	55563	8.341	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	26393	4.098	ug/l #	42
59) 2-Hexanone	11.092	43	380232	99.226	ug/l #	50
71) Bromoform	12.733	173	758	0.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	131182	29.611	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131182	70.842	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	87	2.625	ug/l #	12
95) Naphthalene	15.512	128	842	3.892	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	25	2.521	ug/l #	12

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

Quant Time: Oct 19 09:59:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

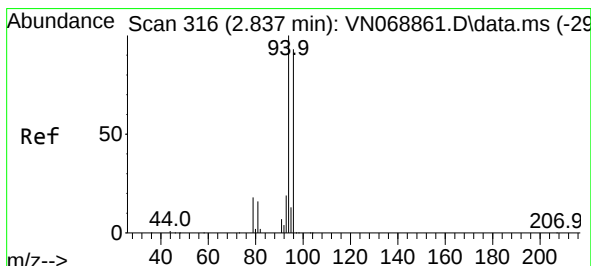
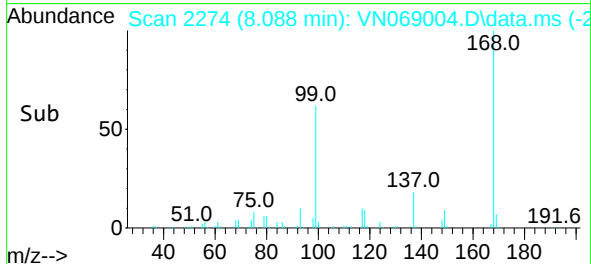
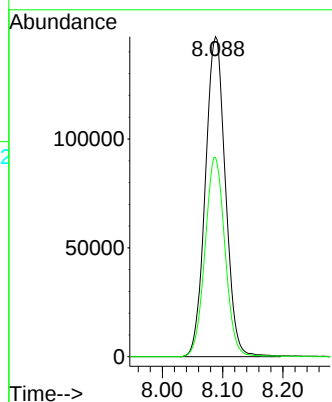
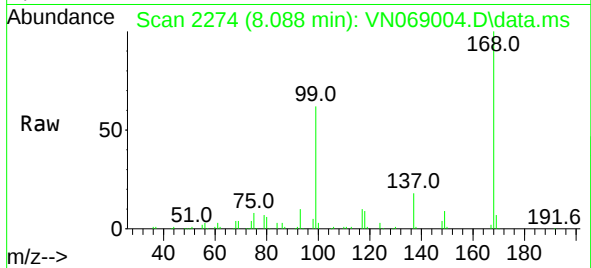




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

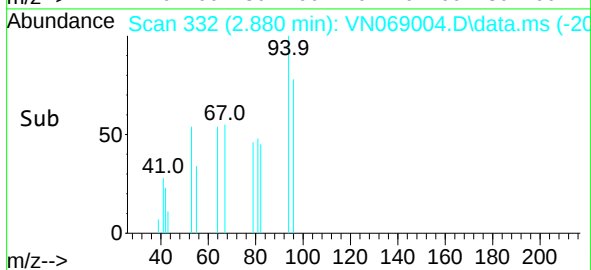
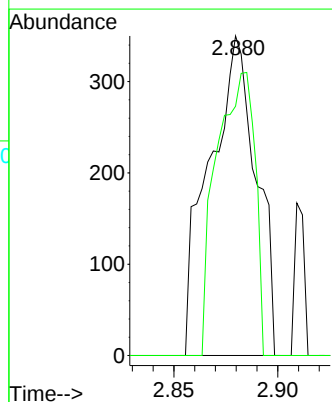
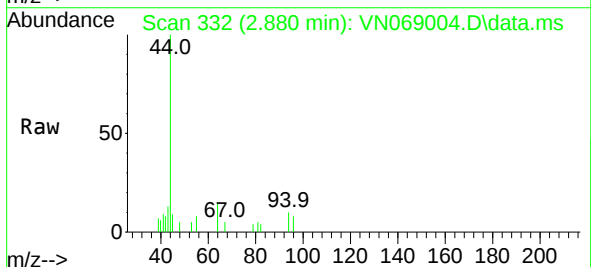
Instrument :
MSVOA_N
ClientSampled :

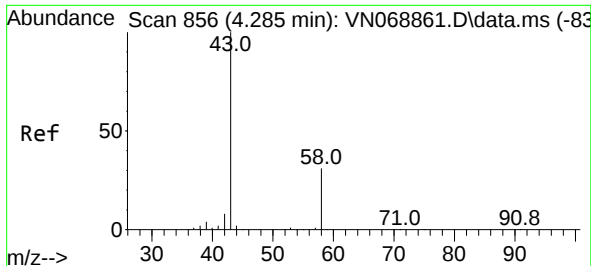
Tgt Ion:168 Resp: 339821
Ion Ratio Lower Upper
168 100
99 62.2 48.9 73.3



#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 94 Resp: 549
Ion Ratio Lower Upper
94 100
96 78.0 74.2 111.4

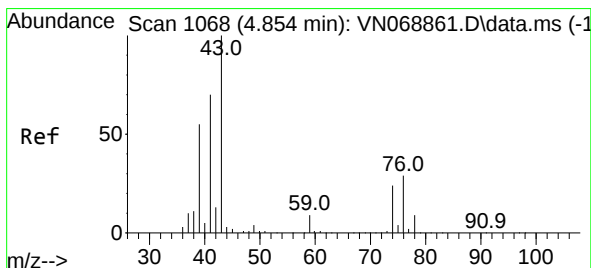
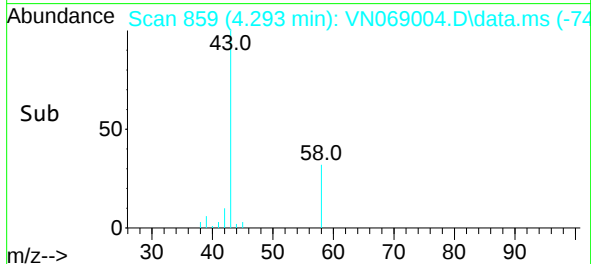
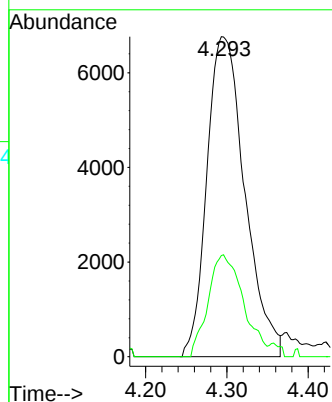
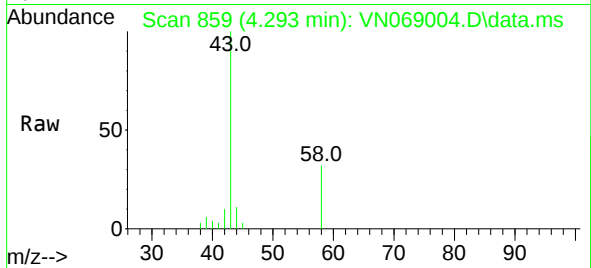




#16
Acetone
Concen: 13.106 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

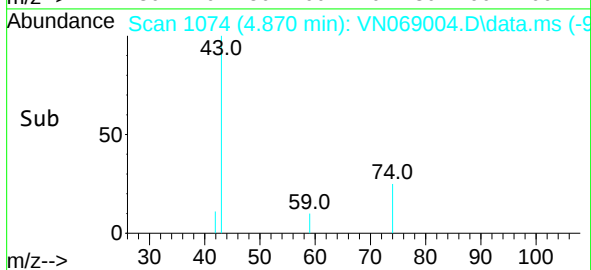
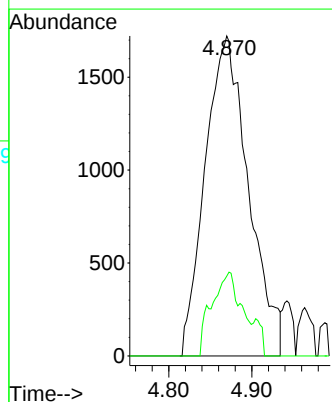
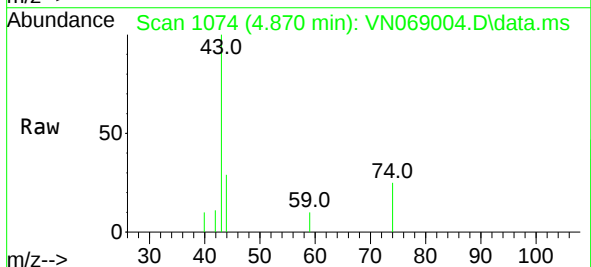
Instrument :
MSVOA_N
ClientSampled :

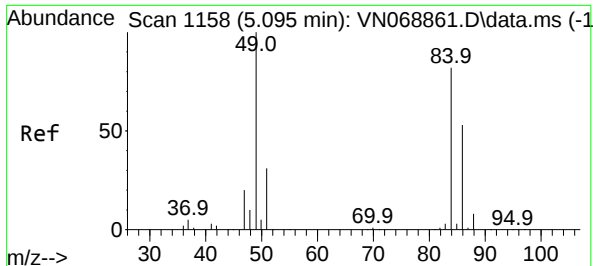
Tgt Ion: 43 Resp: 21913
Ion Ratio Lower Upper
43 100
58 31.6 24.5 36.7



#18
Methyl Acetate
Concen: 0.985 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 43 Resp: 6247
Ion Ratio Lower Upper
43 100
74 17.7 18.9 28.3#

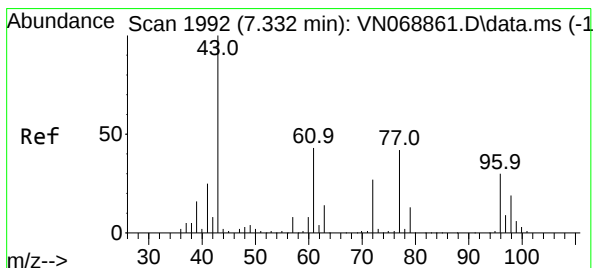
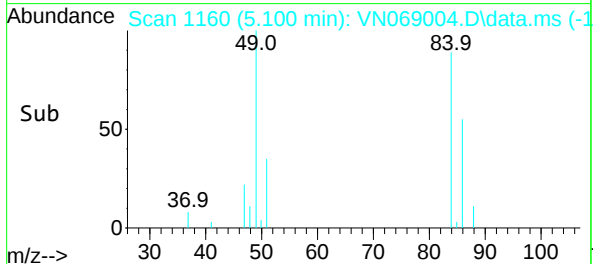
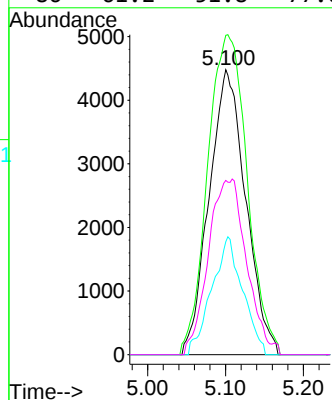
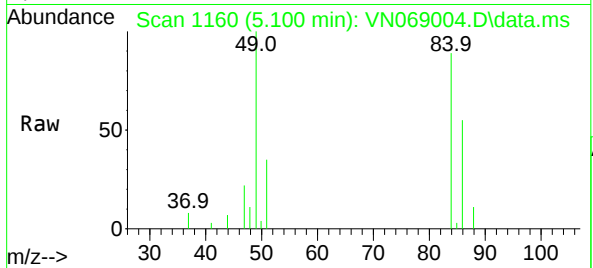




#20
Methylene Chloride
Concen: 3.804 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

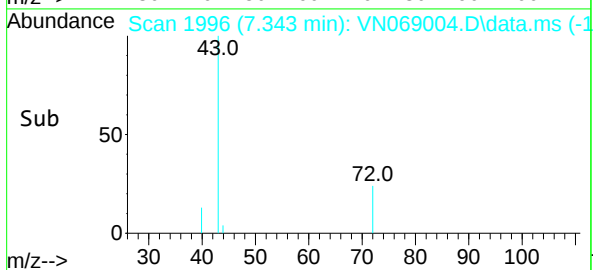
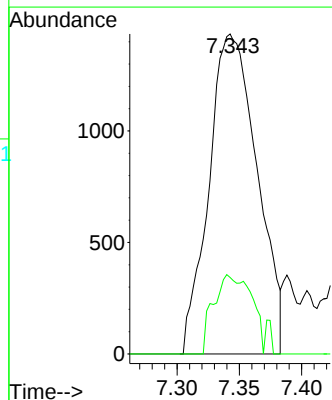
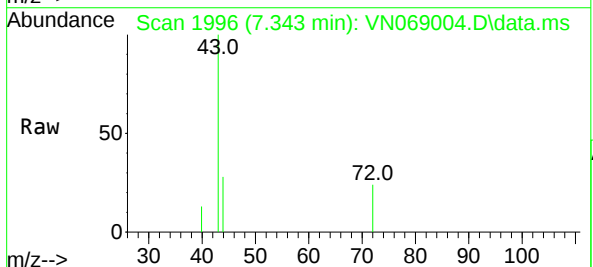
Instrument :
MSVOA_N
ClientSampled :

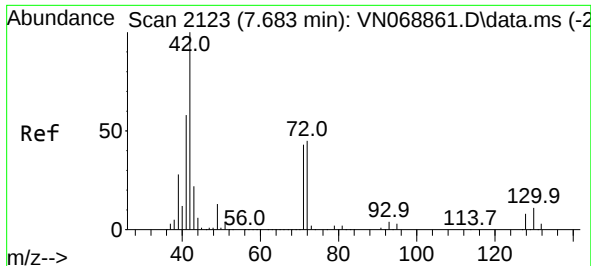
Tgt Ion:	84	Resp:	14639
Ion	Ratio	Lower	Upper
84	100		
49	112.1	97.6	146.4
51	39.6	30.3	45.5
86	61.2	51.8	77.6



#25
2-Butanone
Concen: 1.529 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion:	43	Resp:	3865
Ion	Ratio	Lower	Upper
43	100		
72	23.9	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.342 ug/l

RT: 7.694 min Scan# 2127

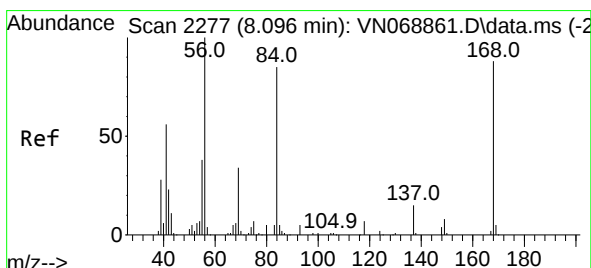
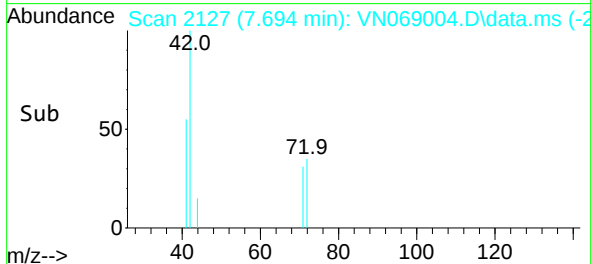
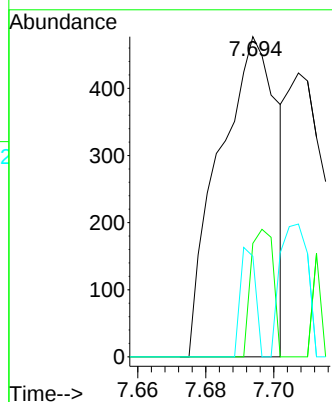
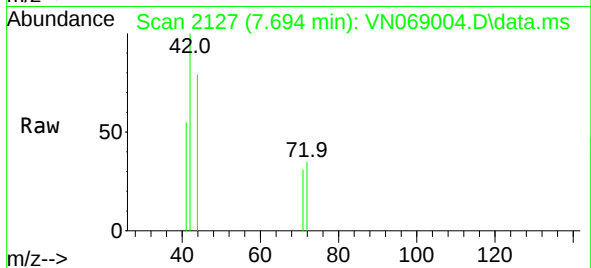
Delta R.T. 0.011 min

Lab File: VN069004.D

Acq: 19 Oct 2021 2:29

Tgt Ion:	42	Resp:	561
Ion	Ratio	Lower	Upper
42	100		
72	15.3	35.4	53.2#
71	8.9	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.147 ug/l

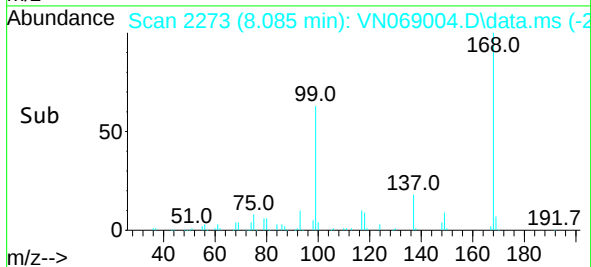
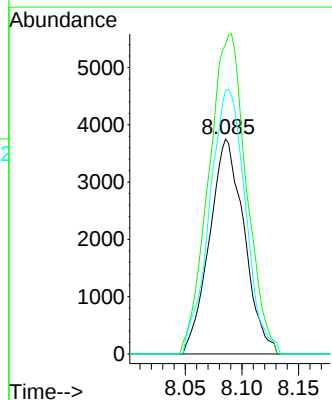
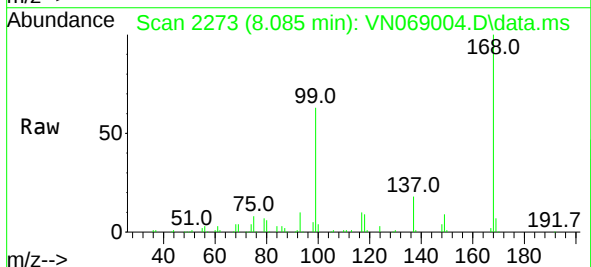
RT: 8.085 min Scan# 2273

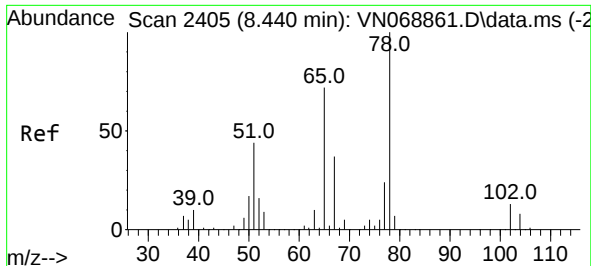
Delta R.T. -0.011 min

Lab File: VN069004.D

Acq: 19 Oct 2021 2:29

Tgt Ion:	56	Resp:	7988
Ion	Ratio	Lower	Upper
56	100		
69	143.8	26.9	40.3#
84	122.6	67.6	101.4#



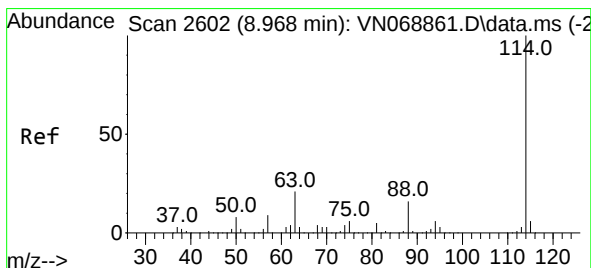
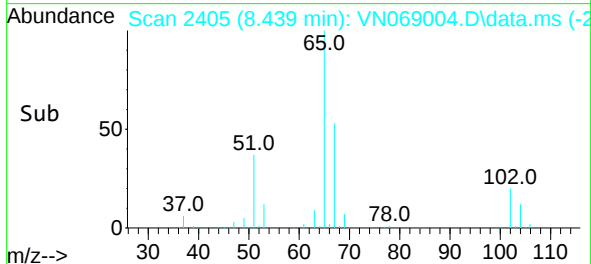
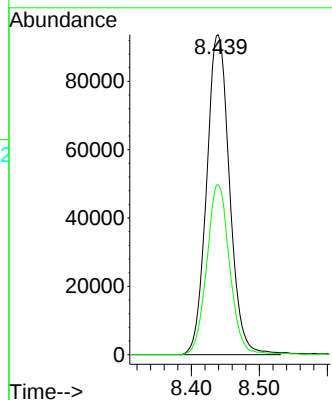
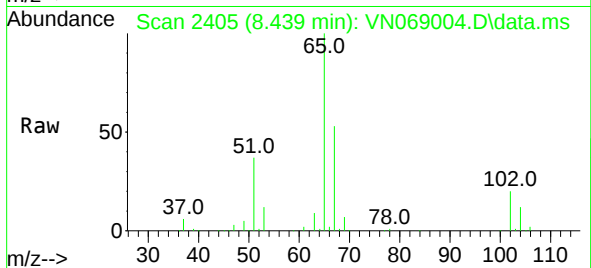


#33

1,2-Dichloroethane-d4
Concen: 49.021 ug/l
RT: 8.439 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Instrument :
MSVOA_N
ClientSampled :

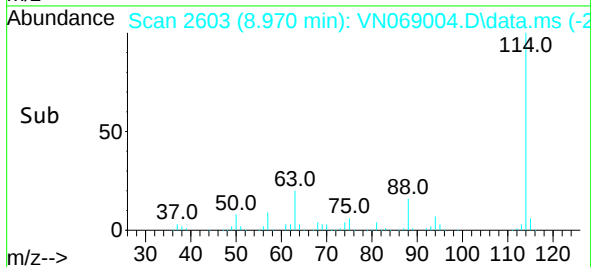
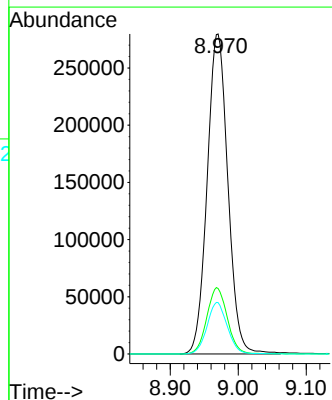
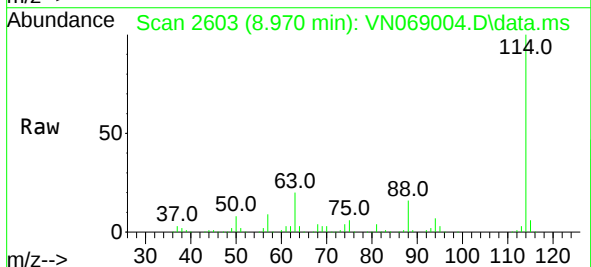
Tgt Ion: 65 Resp: 219633
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.8

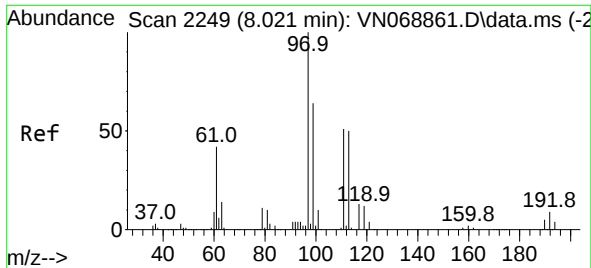


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.970 min Scan# 2603
Delta R.T. 0.002 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 114 Resp: 592062
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.0 0.0 32.0

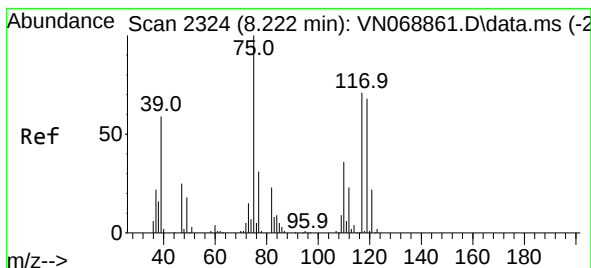
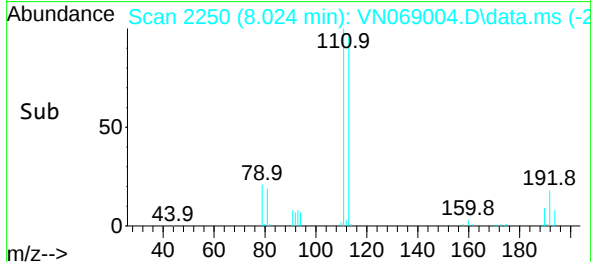
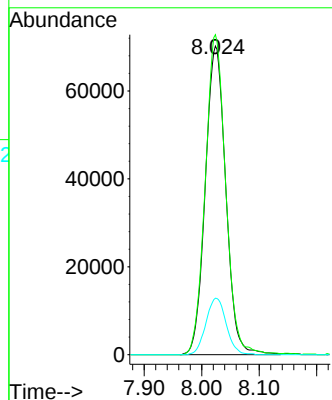
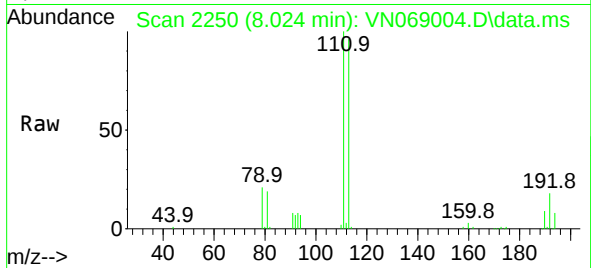




#35
Dibromofluoromethane
Concen: 50.543 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.002 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

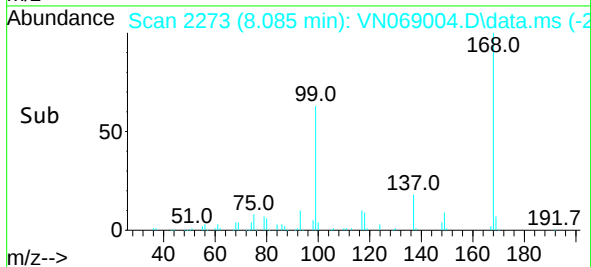
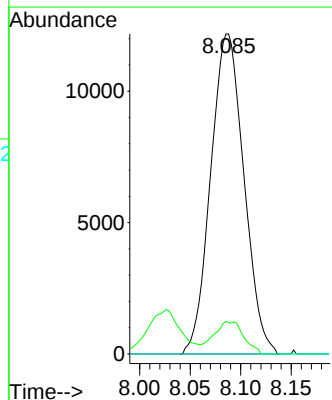
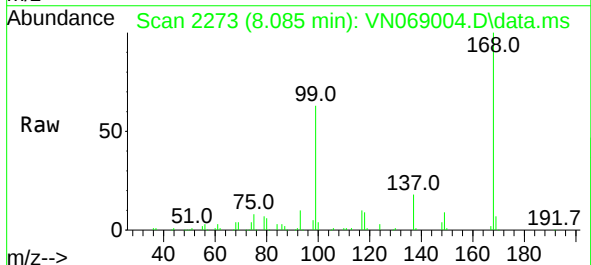
Instrument :
MSVOA_N
ClientSampled :

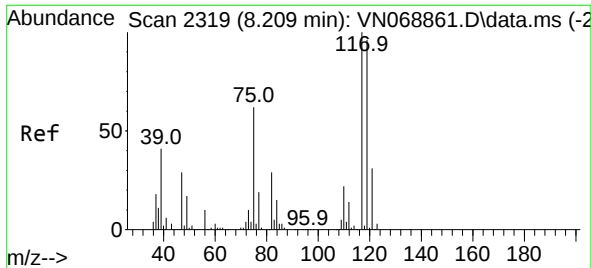
Tgt Ion:113 Resp: 174104
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 18.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.508 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

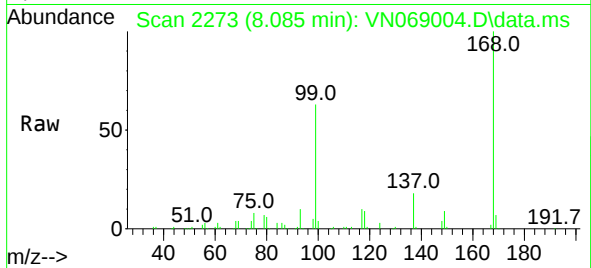
Tgt Ion: 75 Resp: 27856
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#



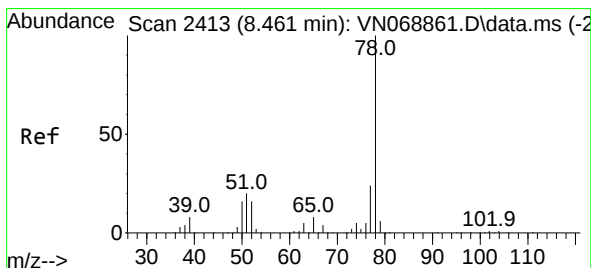
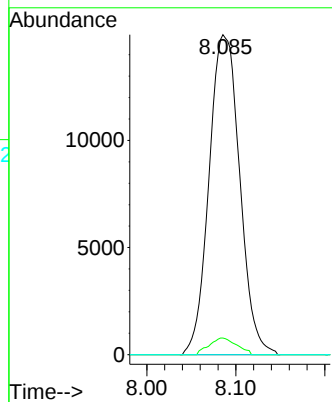
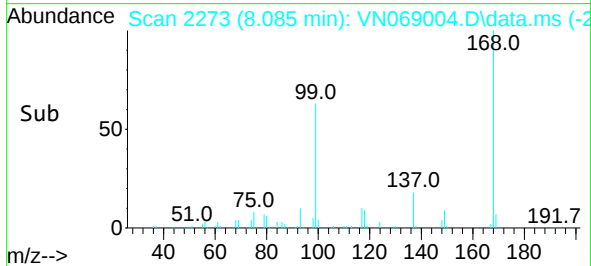


#38
Carbon Tetrachloride
Concen: 6.440 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.124 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

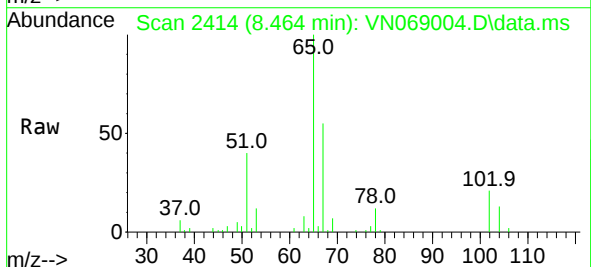
Instrument :
MSVOA_N
ClientSampled :



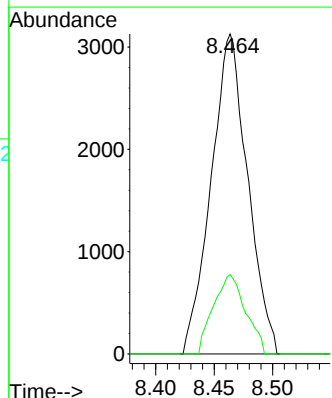
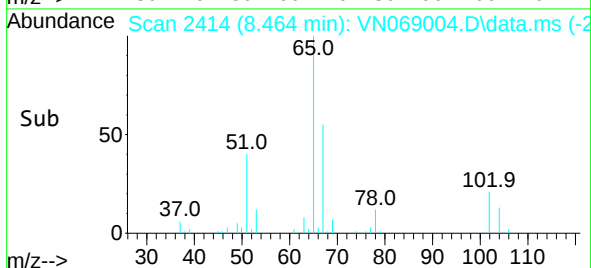
Tgt Ion:117 Resp: 35770
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#

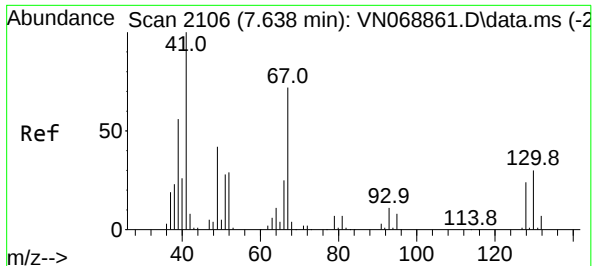


#40
Benzene
Concen: 0.442 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.002 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29



Tgt Ion: 78 Resp: 6800
Ion Ratio Lower Upper
78 100
77 24.8 19.1 28.7

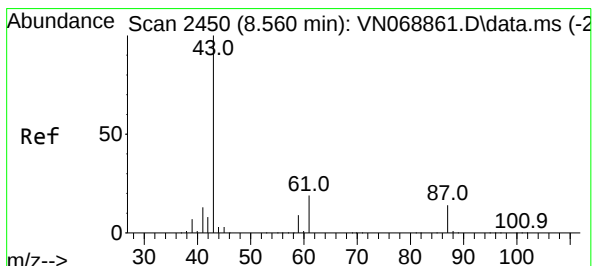
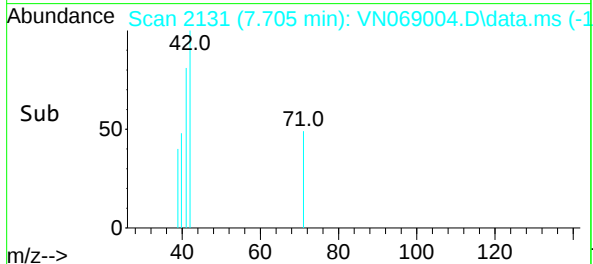
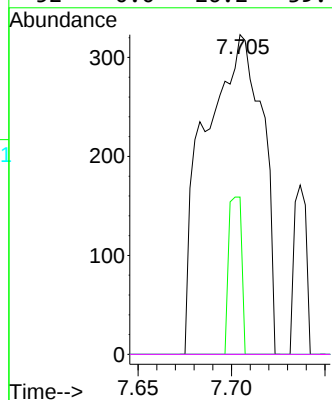
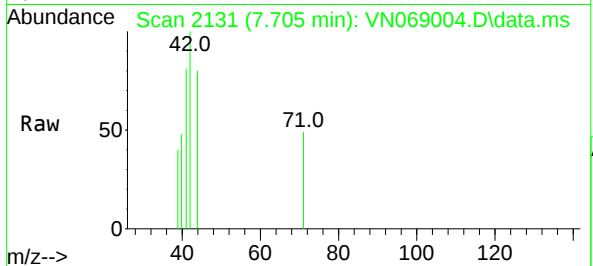




#41
Methacrylonitrile
Concen: 0.261 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

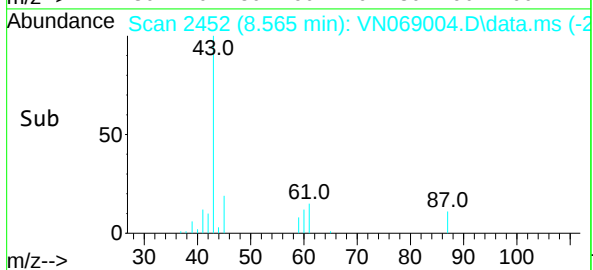
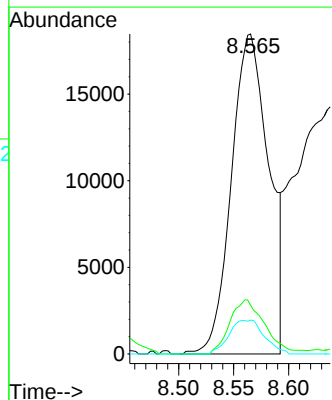
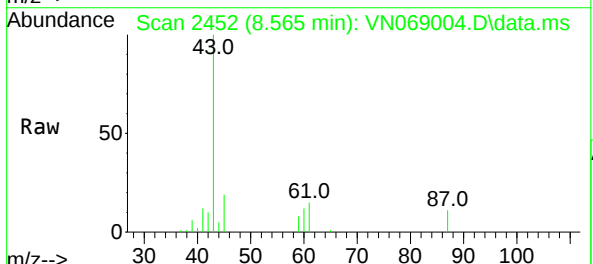
Instrument :
MSVOA_N
ClientSampled :

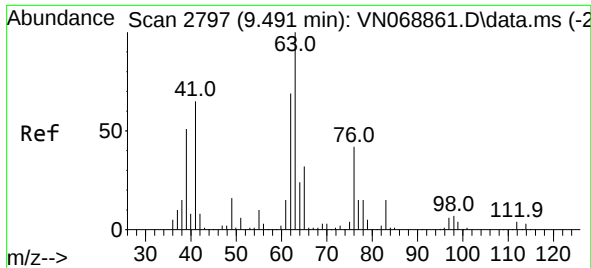
Tgt Ion: 41 Resp: 688
Ion Ratio Lower Upper
41 100
39 11.0 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#



#43
Isopropyl Acetate
Concen: 4.737 ug/l
RT: 8.565 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 43 Resp: 43655
Ion Ratio Lower Upper
43 100
61 16.0 20.4 30.6#
87 9.9 10.7 16.1#

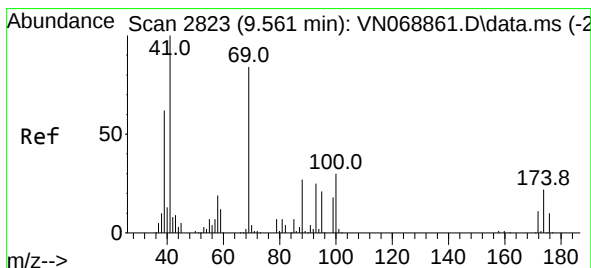
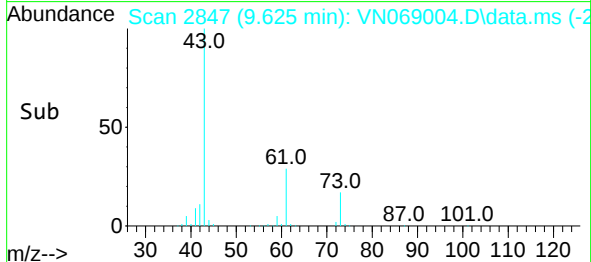
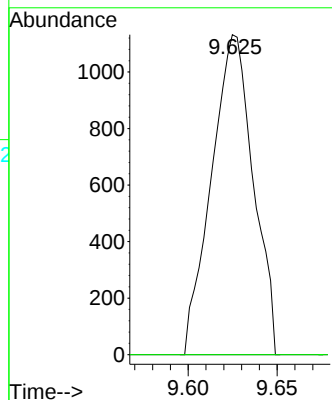
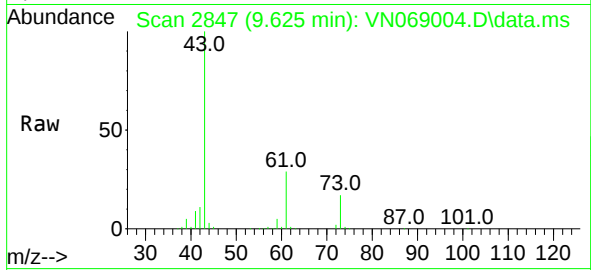




#45
1,2-Dichloropropane
Concen: 0.464 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

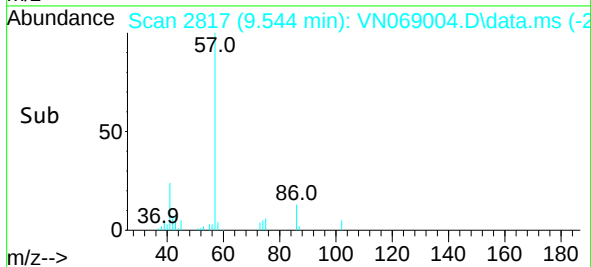
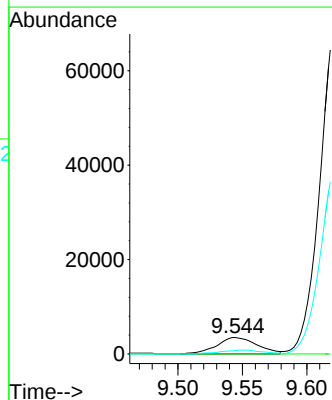
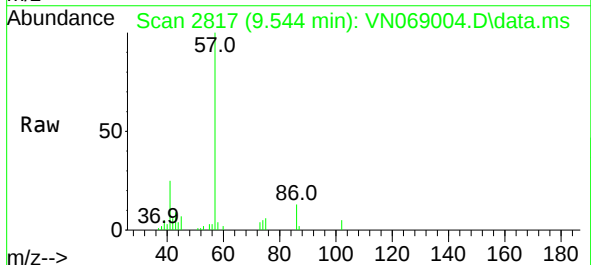
Instrument :
MSVOA_N
ClientSampled :

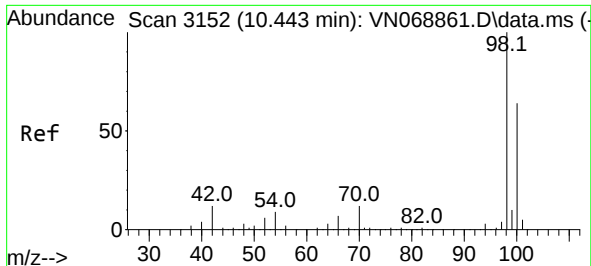
Tgt Ion: 63 Resp: 1853
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.755 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 41 Resp: 7597
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

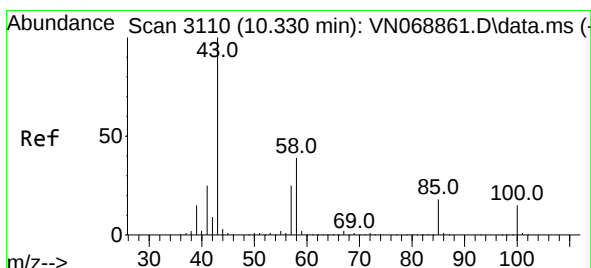
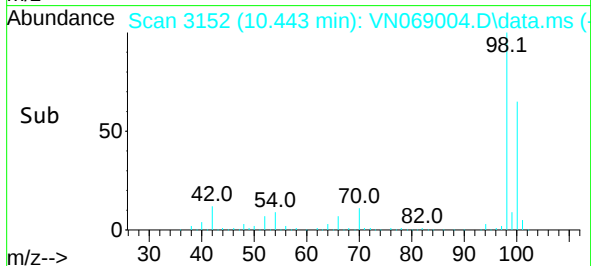
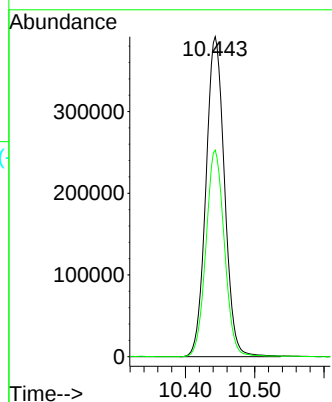
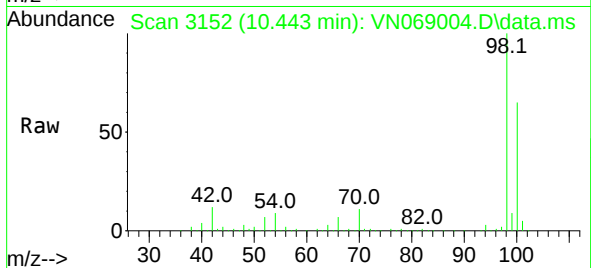




#50
Toluene-d8
Concen: 52.886 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

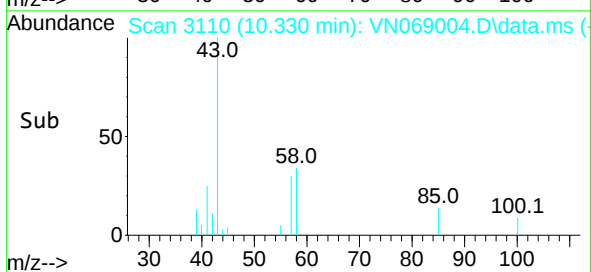
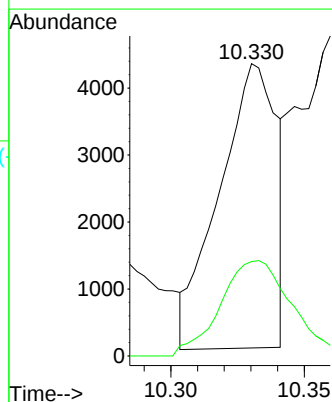
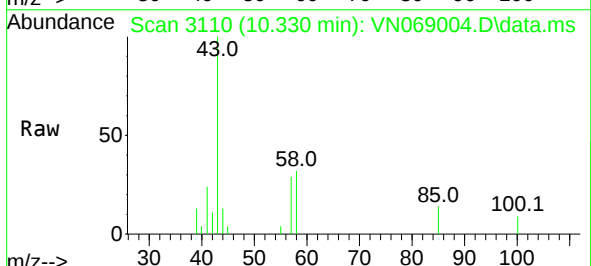
Instrument :
MSVOA_N
ClientSampled :

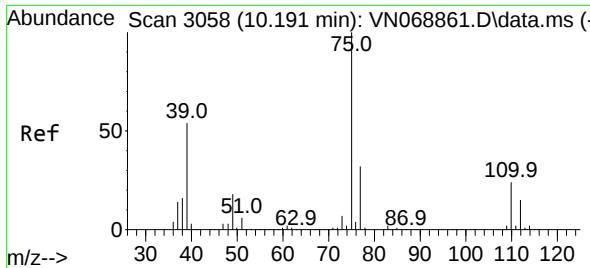
Tgt Ion: 98 Resp: 728907
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.185 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 43 Resp: 6333
Ion Ratio Lower Upper
43 100
58 41.0 31.0 46.4

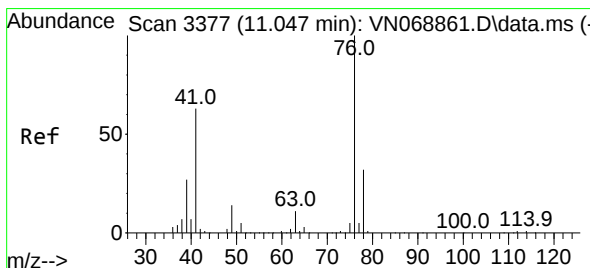
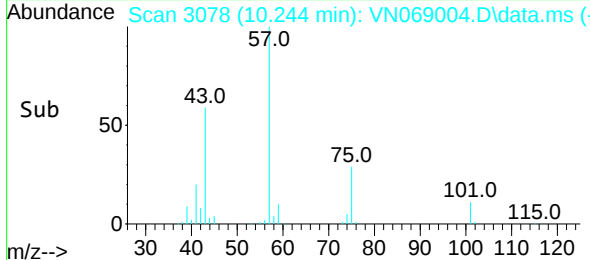
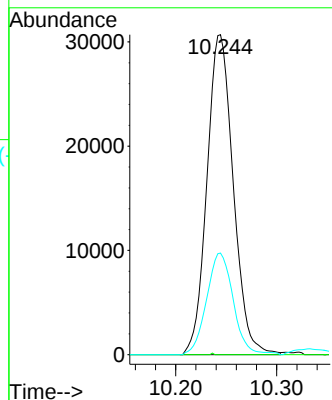
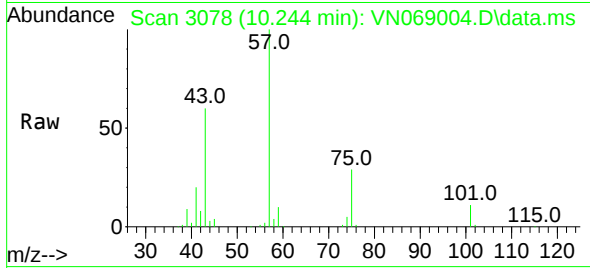




#54
 cis-1,3-Dichloropropene
 Concen: 8.341 ug/l
 RT: 10.244 min Scan# 3078
 Delta R.T. 0.053 min
 Lab File: VN069004.D
 Acq: 19 Oct 2021 2:29

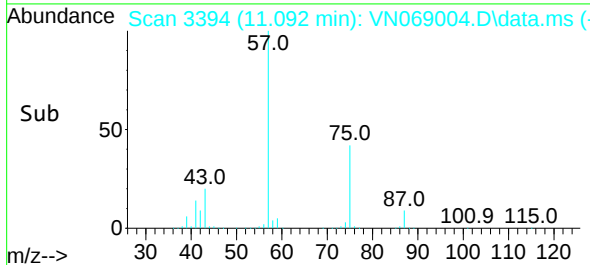
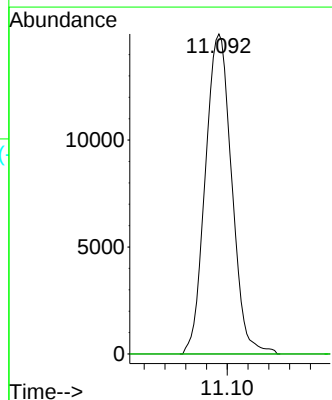
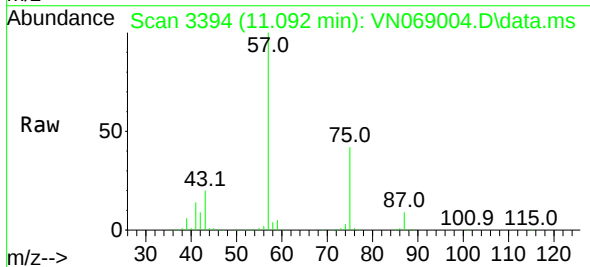
Instrument :
 MSVOA_N
 ClientSampled :

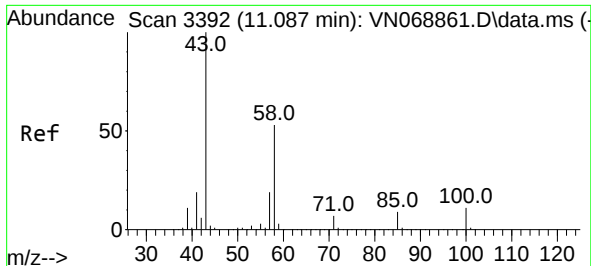
Tgt Ion: 75 Resp: 55563
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 31.8 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.098 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.045 min
 Lab File: VN069004.D
 Acq: 19 Oct 2021 2:29

Tgt Ion: 76 Resp: 26393
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

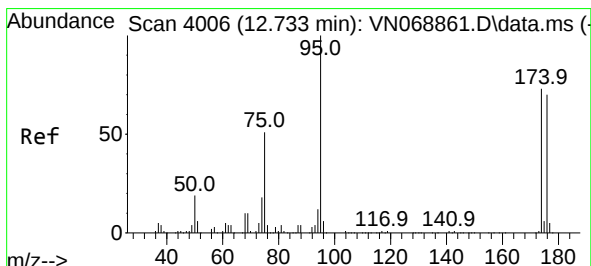
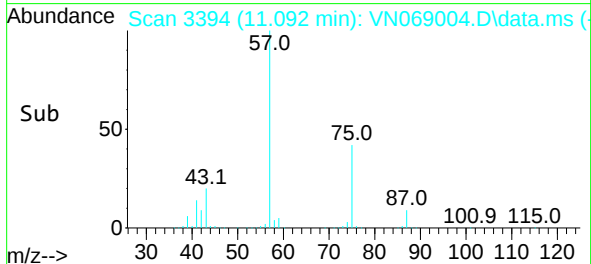
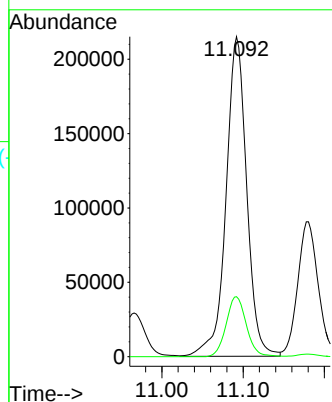
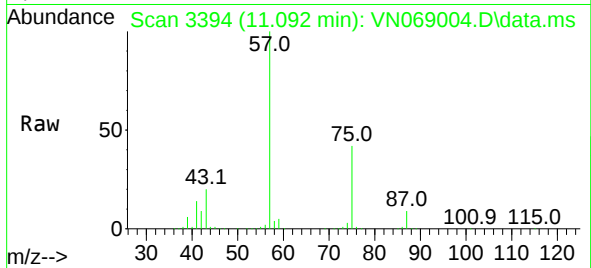




#59
2-Hexanone
Concen: 99.226 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

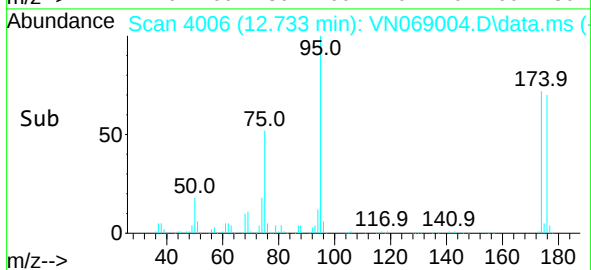
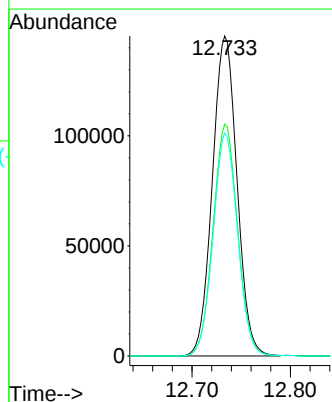
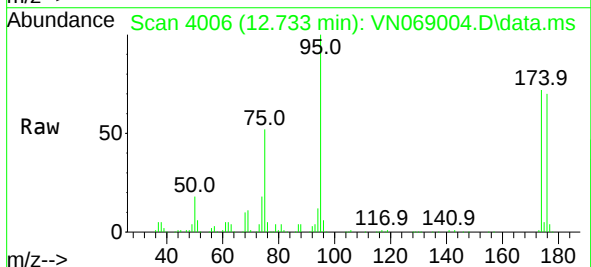
Instrument :
MSVOA_N
ClientSampled :

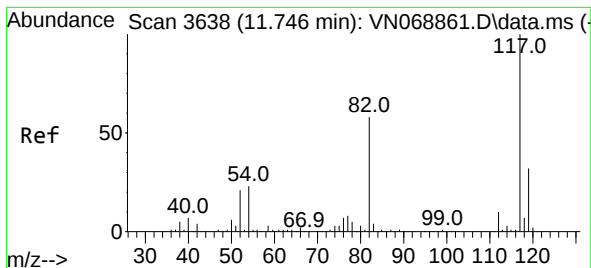
Tgt Ion: 43 Resp: 380232
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.735 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 95 Resp: 253423
Ion Ratio Lower Upper
95 100
174 72.2 0.0 144.8
176 69.4 0.0 140.0

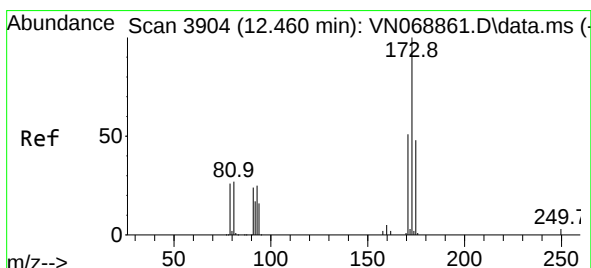
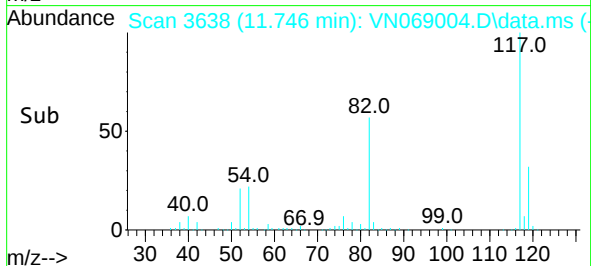
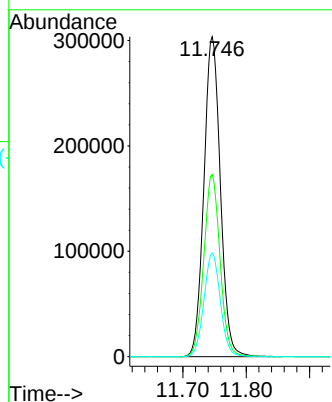
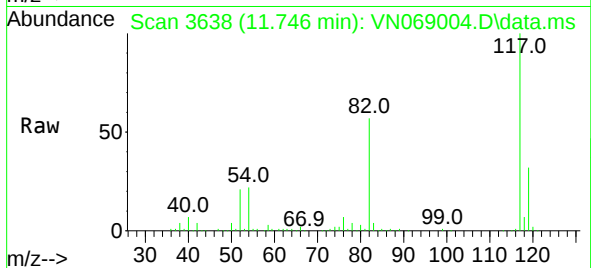




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

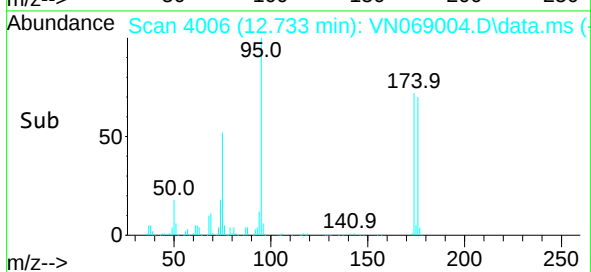
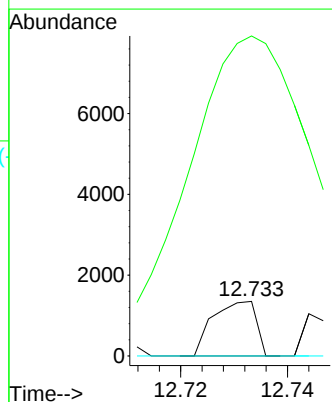
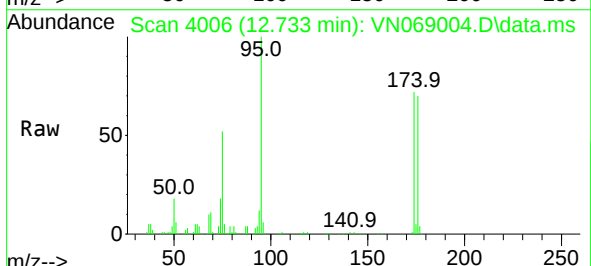
Instrument :
MSVOA_N
ClientSampled :

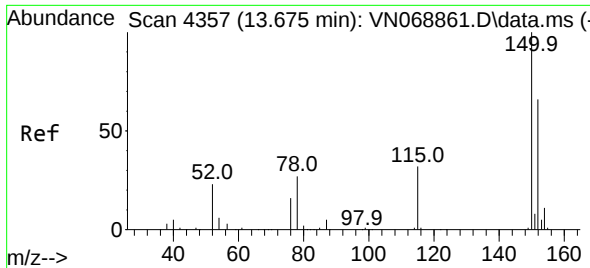
Tgt Ion:117 Resp: 547792
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 32.4 26.0 39.0



#71
Bromoform
Concen: 0.233 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion:173 Resp: 758
Ion Ratio Lower Upper
173 100
175 1685.9 23.8 71.5#
254 0.0 0.0 0.0

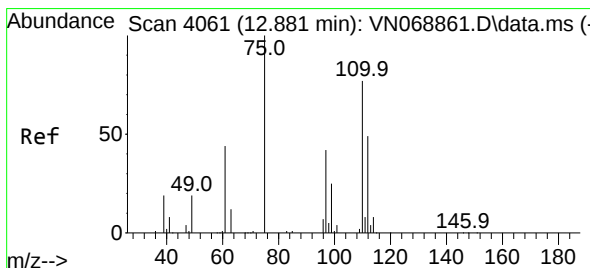
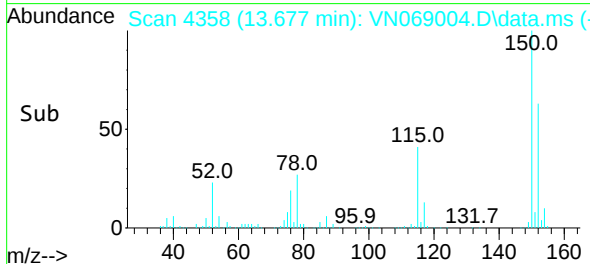
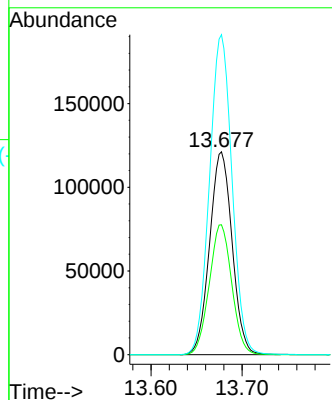
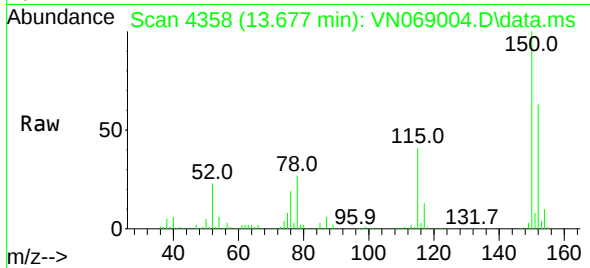




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

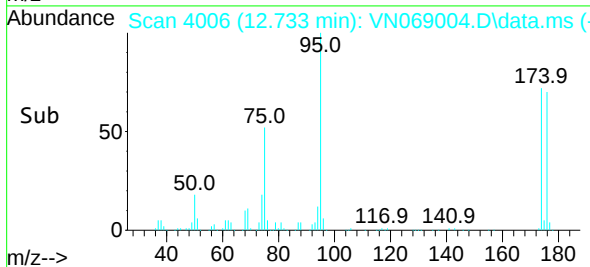
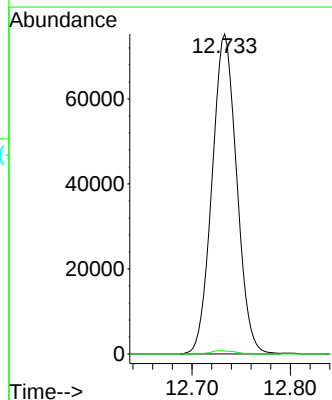
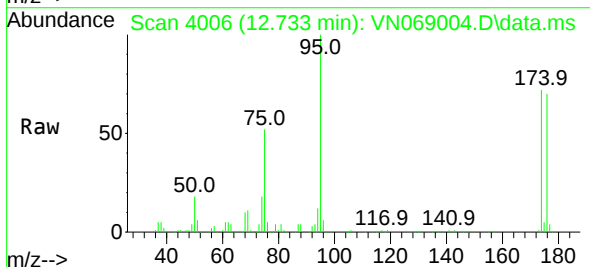
Instrument :
MSVOA_N
ClientSampled :

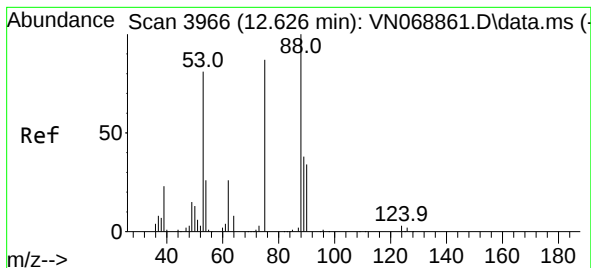
Tgt Ion:152 Resp: 208216
Ion Ratio Lower Upper
152 100
115 63.9 31.4 94.3
150 157.6 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 29.611 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion: 75 Resp: 131182
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#

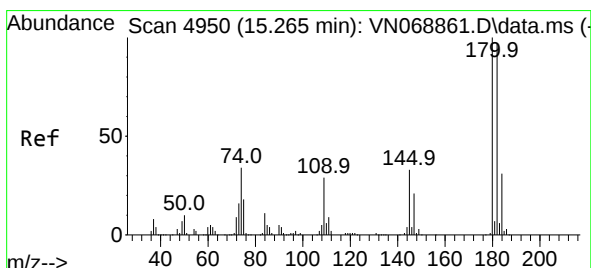
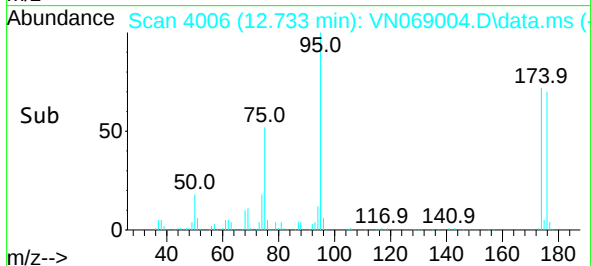
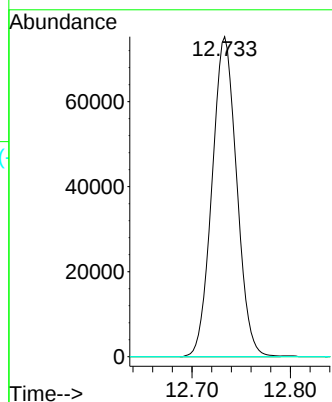
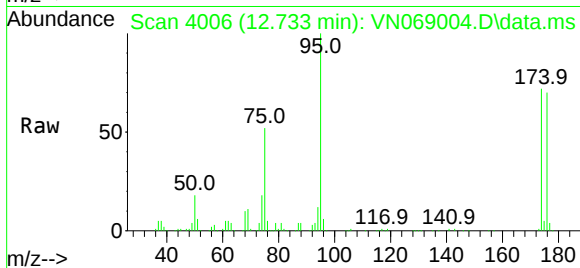




#81
trans-1,4-Dichloro-2-butene
Concen: 70.842 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

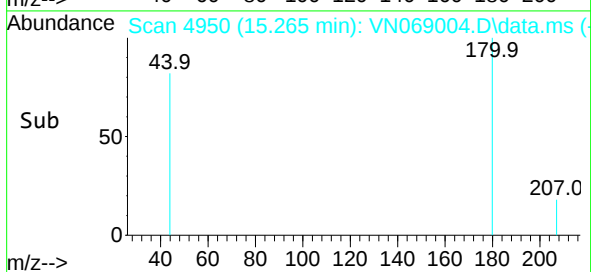
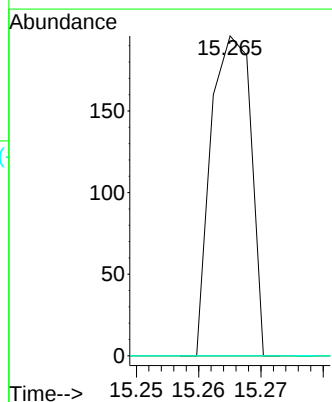
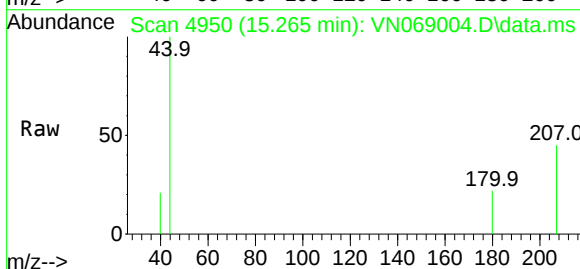
Instrument :
MSVOA_N
ClientSampled :

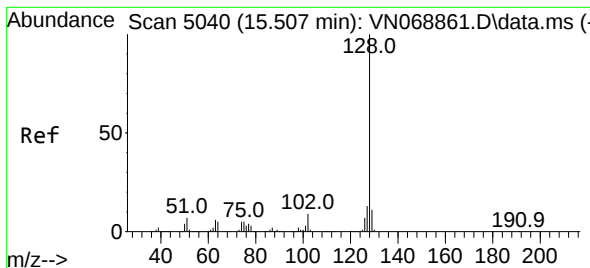
Tgt Ion: 75 Resp: 131182
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.625 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion:180 Resp: 87
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#

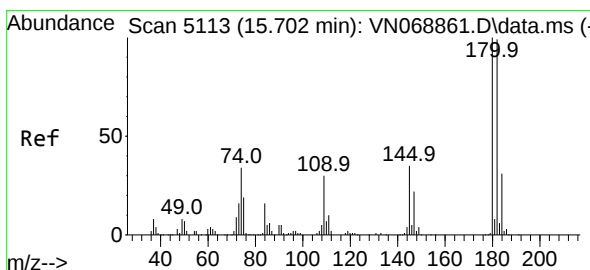
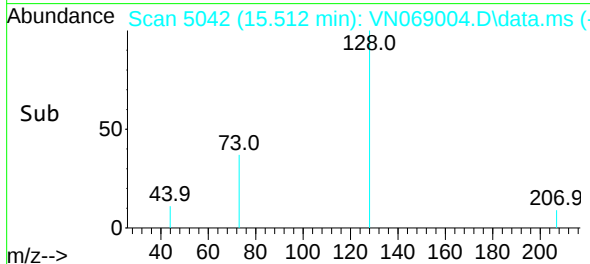
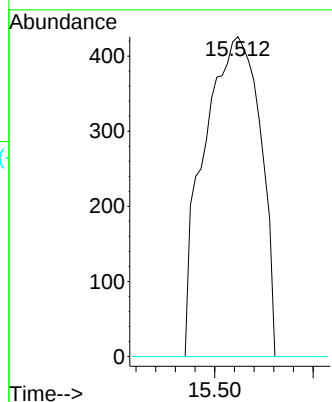
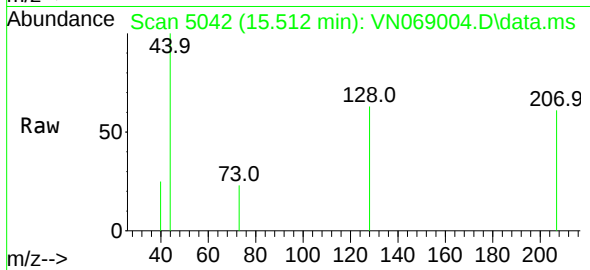




#95
Naphthalene
Concen: 3.892 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 842
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.521 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069004.D
Acq: 19 Oct 2021 2:29

Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.3#
145 0.0 17.4 52.2#

