

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069119.D
 Acq On : 22 Oct 2021 5:02
 Operator : JC/MD
 Sample : M4285-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 07:21:52 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)

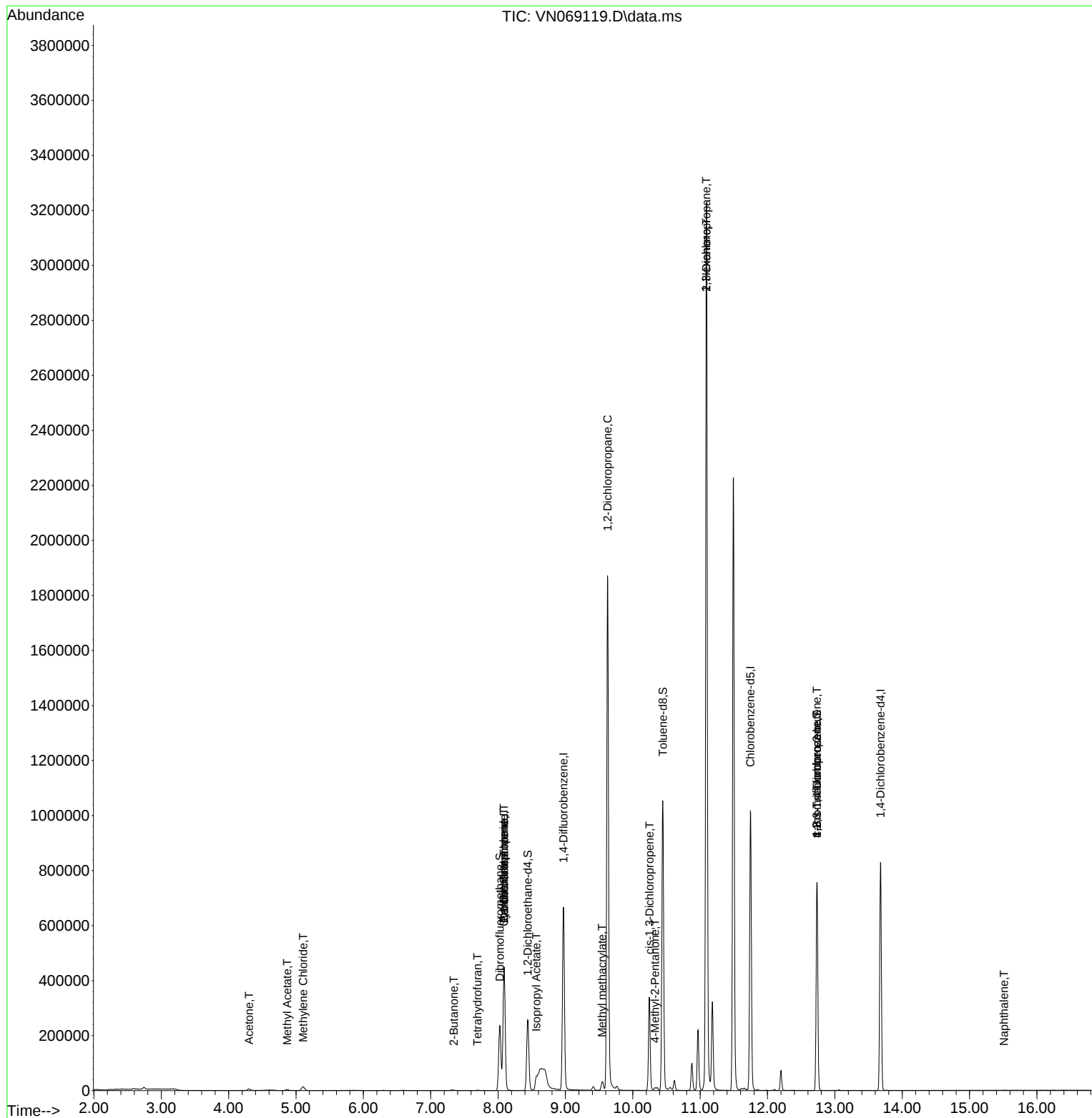
Internal Standards						
1) Pentafluorobenzene	8.091	168	338438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	597645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	599246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	224054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	219772	49.252	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.500%
35) Dibromofluoromethane	8.026	113	172887	49.721	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.440%
50) Toluene-d8	10.446	98	749719	53.888	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.780%
62) 4-Bromofluorobenzene	12.733	95	273504	52.105	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.220%
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	11333	6.806	ug/l	98
18) Methyl Acetate	4.870	43	8671	1.373	ug/l	91
20) Methylene Chloride	5.106	84	12270	3.201	ug/l	94
25) 2-Butanone	7.343	43	2984	1.185	ug/l	95
29) Tetrahydrofuran	7.694	42	1127	0.690	ug/l #	61
31) Cyclohexane	8.085	56	7698	1.110	ug/l #	9
36) 1,1-Dichloropropene	8.088	75	26913	5.272	ug/l #	45
38) Carbon Tetrachloride	8.088	117	35235	6.285	ug/l #	15
43) Isopropyl Acetate	8.568	43	53132	5.712	ug/l #	83
45) 1,2-Dichloropropane	9.625	63	2278	0.565	ug/l #	43
48) Methyl methacrylate	9.544	41	8411	1.924	ug/l #	13
51) 4-Methyl-2-Pentanone	10.330	43	4634	0.859	ug/l #	73
54) cis-1,3-Dichloropropene	10.247	75	63934	9.508	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	35489	5.458	ug/l #	42
59) 2-Hexanone	11.092	43	496546	128.369	ug/l #	51
76) 1,2,3-Trichloropropane	12.733	75	144187	30.245	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	144187	72.360	ug/l #	12
95) Naphthalene	15.512	128	477	3.854	ug/l #	69

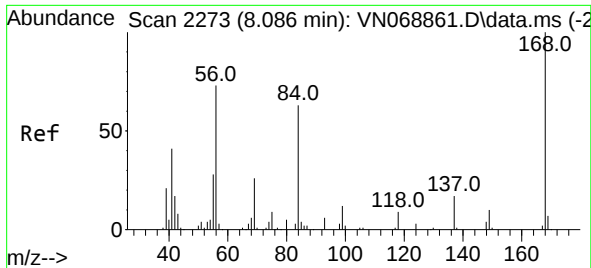
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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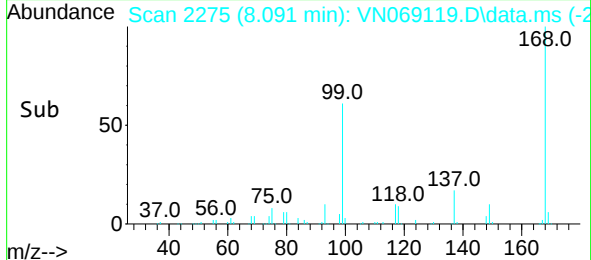
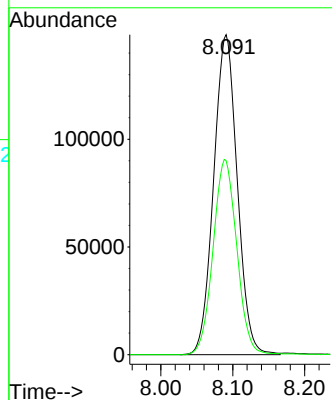
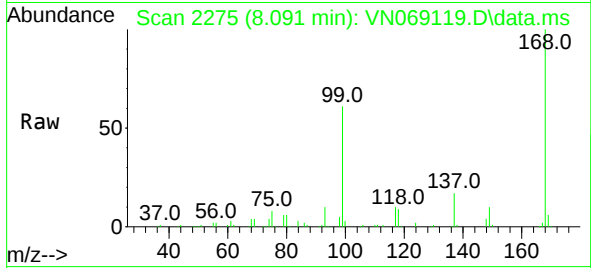




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

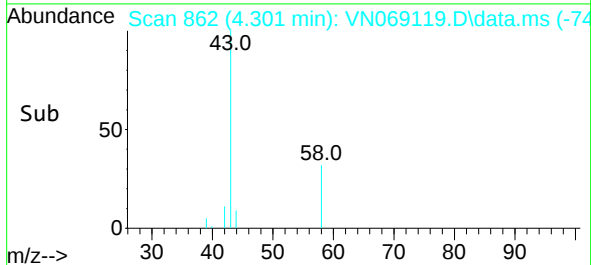
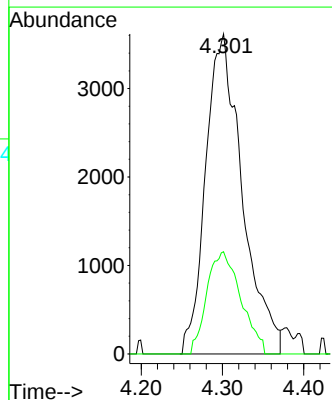
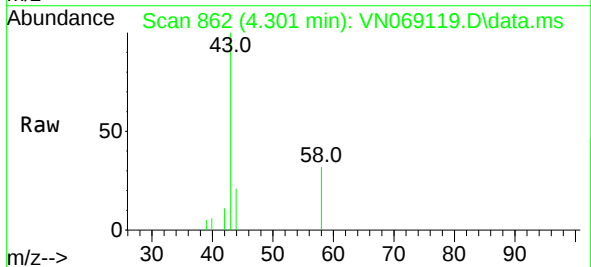
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 338438
Ion Ratio Lower Upper
168 100
99 60.7 48.9 73.3



#16
Acetone
Concen: 6.806 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 43 Resp: 11333
Ion Ratio Lower Upper
43 100
58 31.9 24.5 36.7

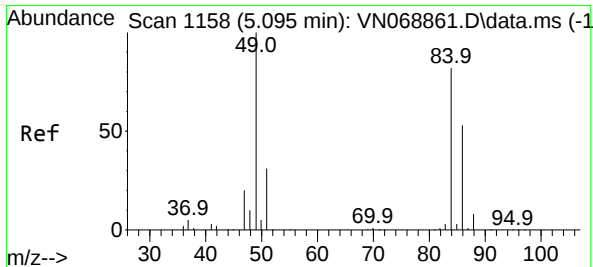
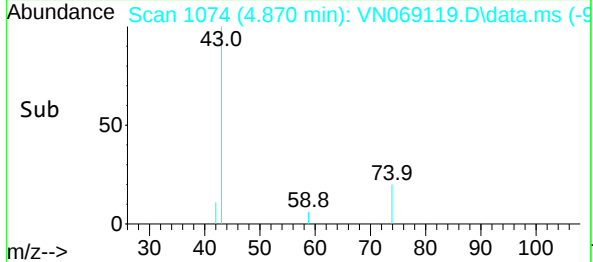
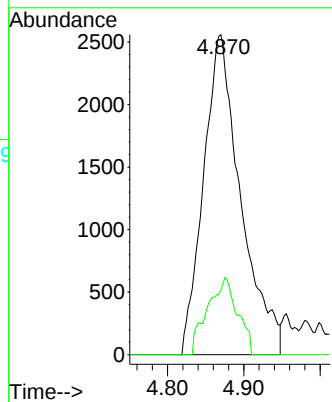
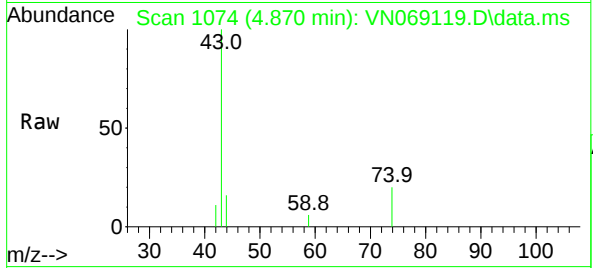




#18
Methyl Acetate
Concen: 1.373 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

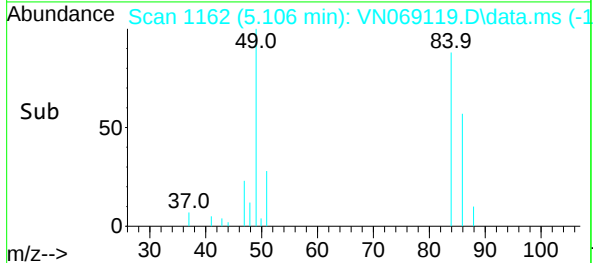
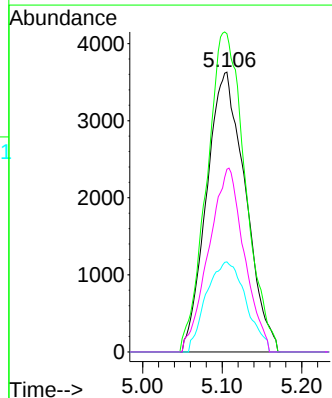
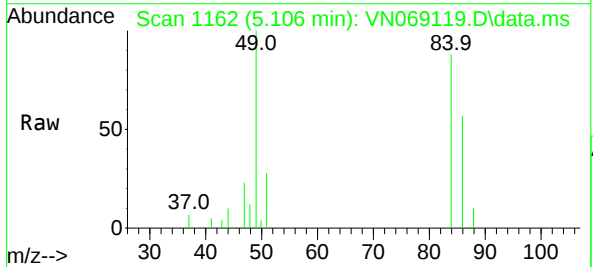
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 8671
Ion Ratio Lower Upper
43 100
74 19.3 18.9 28.3



#20
Methylene Chloride
Concen: 3.201 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.011 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 84 Resp: 12270
Ion Ratio Lower Upper
84 100
49 113.7 97.6 146.4
51 32.2 30.3 45.5
86 65.3 51.8 77.6

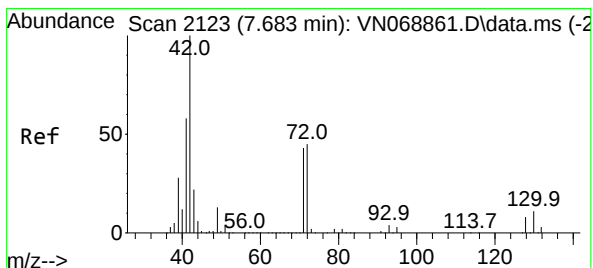
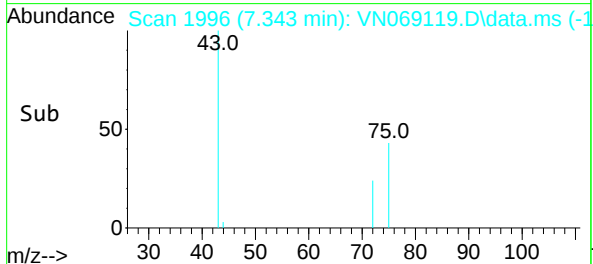
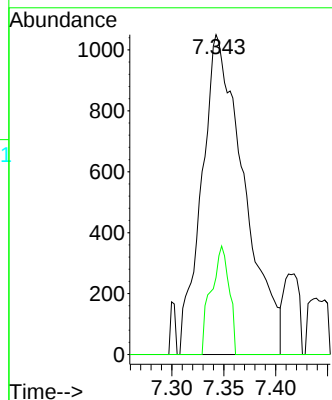
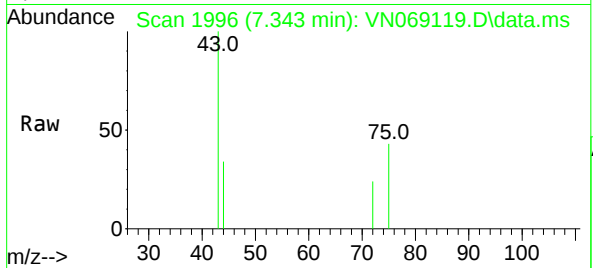




#25
2-Butanone
Concen: 1.185 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

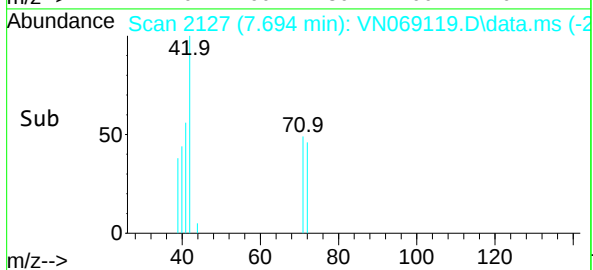
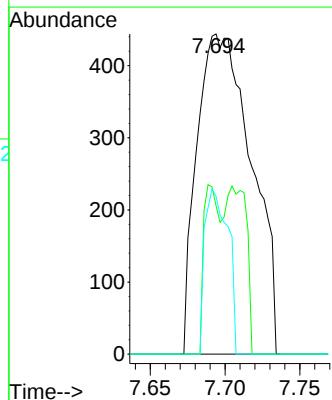
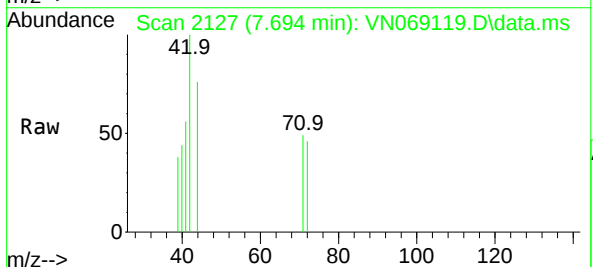
Instrument :
MSVOA_N
ClientSampleId :

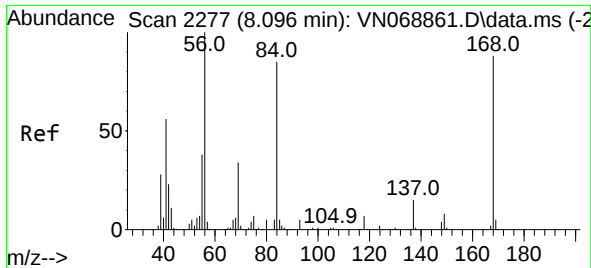
Tgt Ion: 43 Resp: 2984
Ion Ratio Lower Upper
43 100
72 24.1 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.690 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 42 Resp: 1127
Ion Ratio Lower Upper
42 100
72 15.1 35.4 53.2#
71 22.0 33.8 50.6#

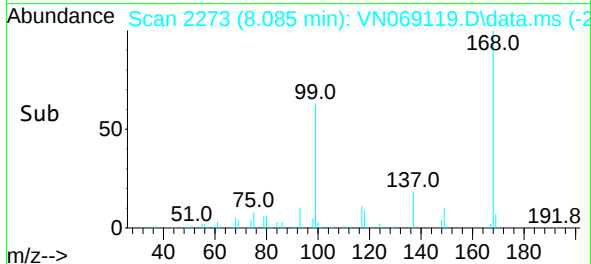
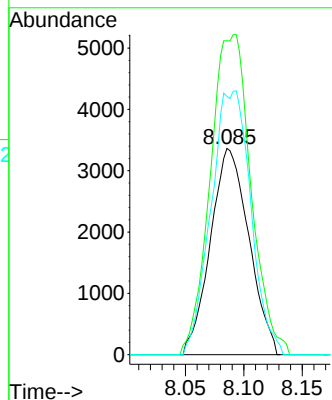
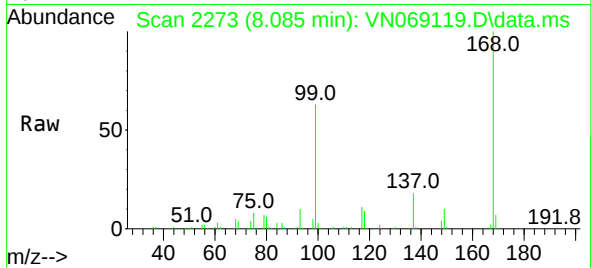




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.011 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

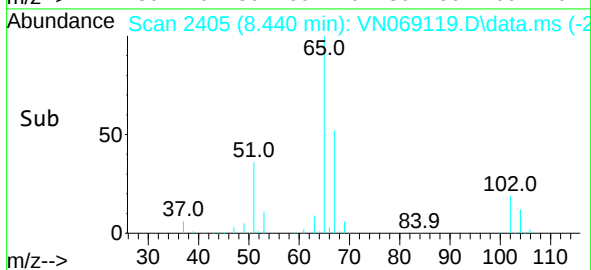
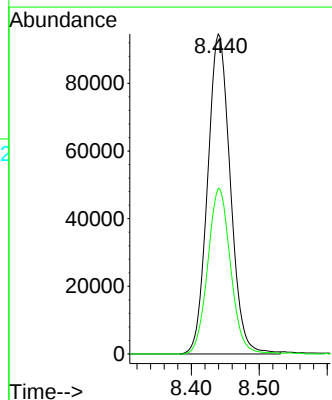
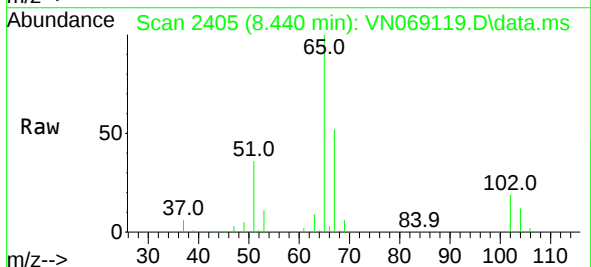
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7698
Ion Ratio Lower Upper
56 100
69 152.2 26.9 40.3#
84 125.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.252 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 65 Resp: 219772
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

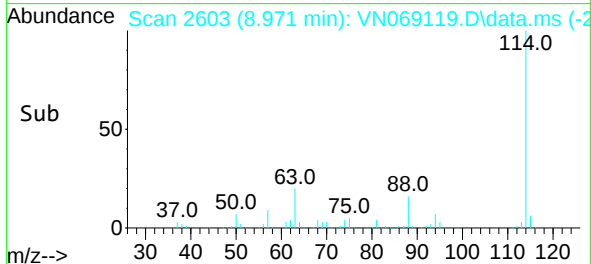
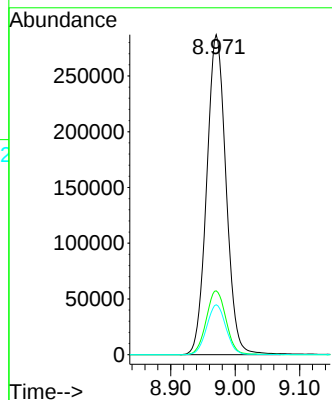
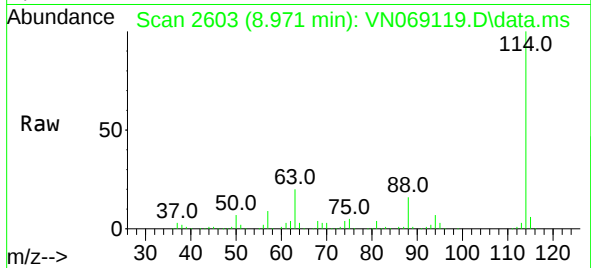




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

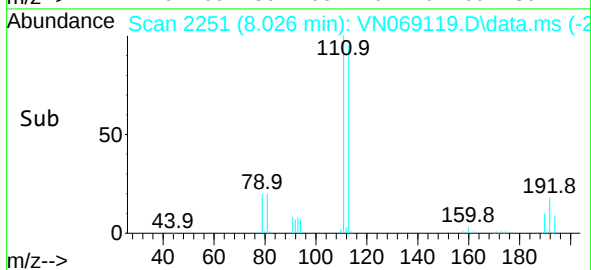
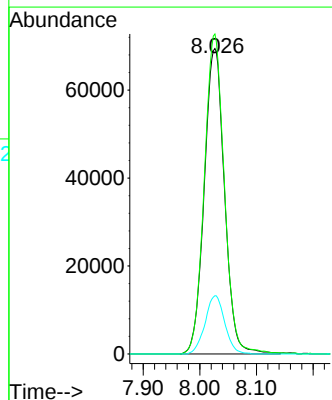
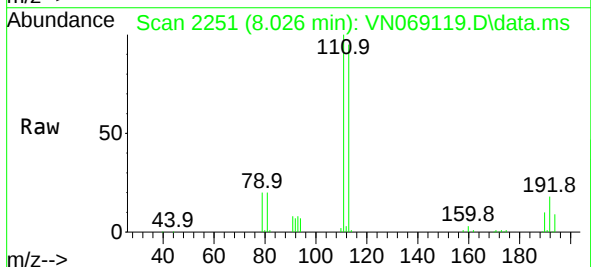
Instrument :
MSVOA_N
ClientSampled :

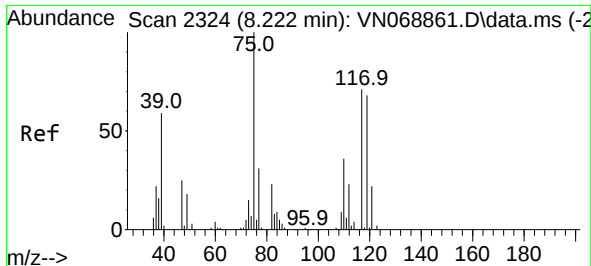
Tgt Ion:114 Resp: 597645
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.6
88 15.6 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.721 ug/l
RT: 8.026 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion:113 Resp: 172887
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.5 15.0 22.4

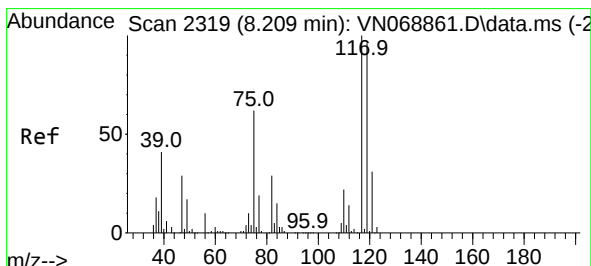
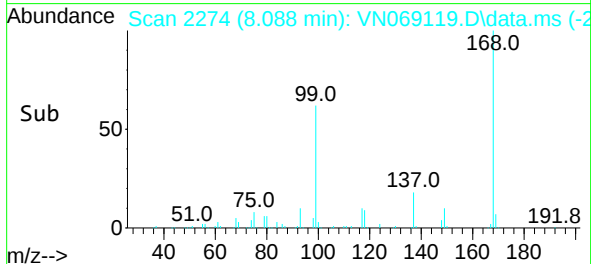
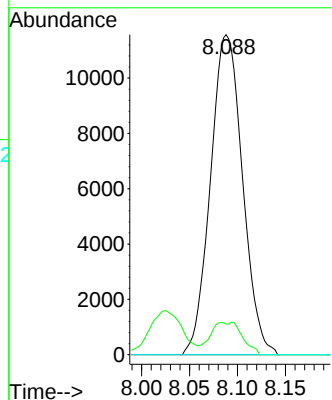
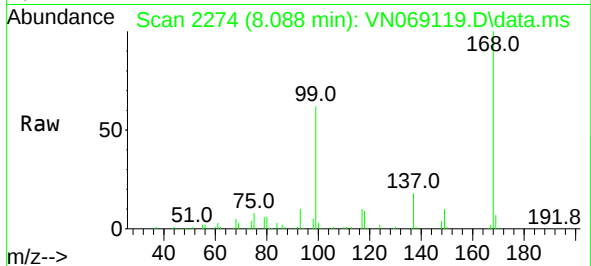




#36
1,1-Dichloropropene
Concen: 5.272 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

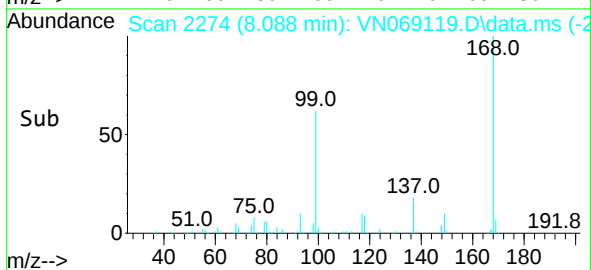
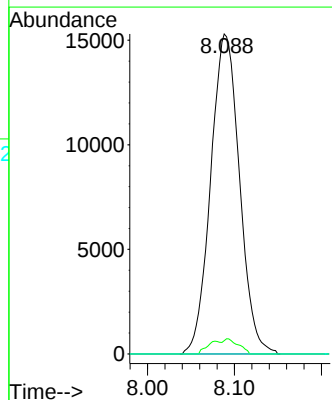
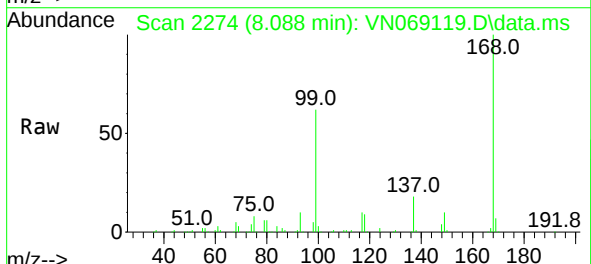
Instrument :
MSVOA_N
ClientSampled :

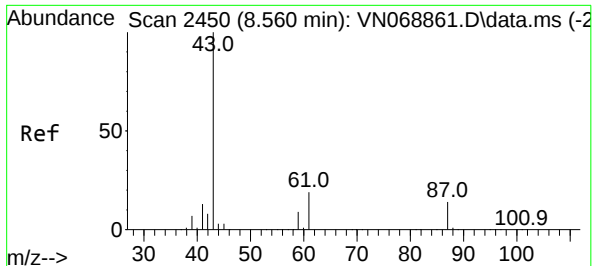
Tgt Ion: 75 Resp: 26913
Ion Ratio Lower Upper
75 100
110 3.8 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 117 Resp: 35235
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#

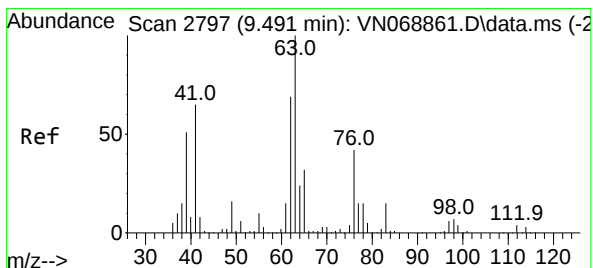
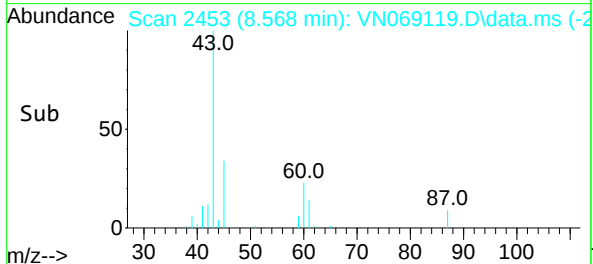
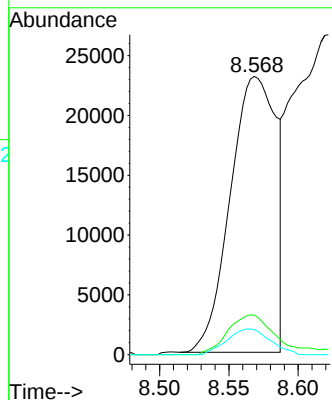
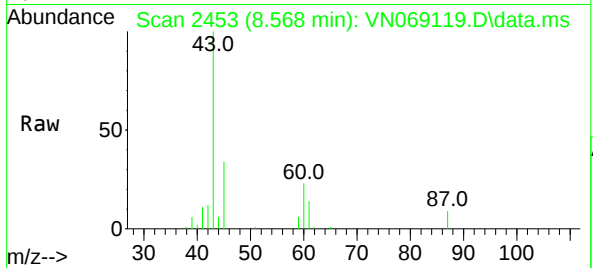




#43
Isopropyl Acetate
Concen: 5.712 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

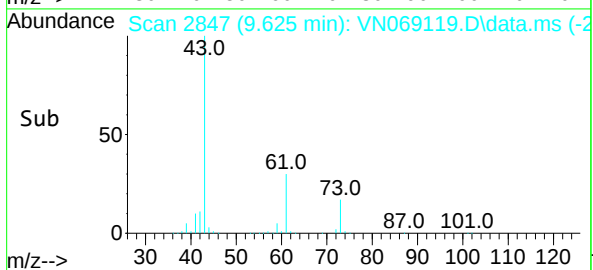
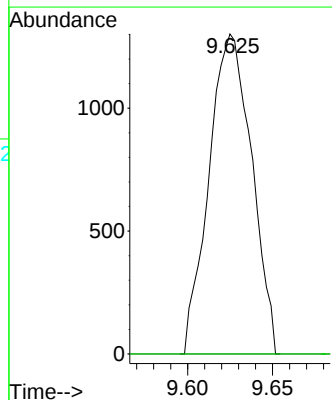
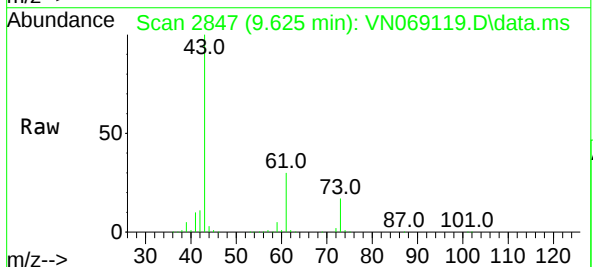
Instrument :
MSVOA_N
ClientSampled :

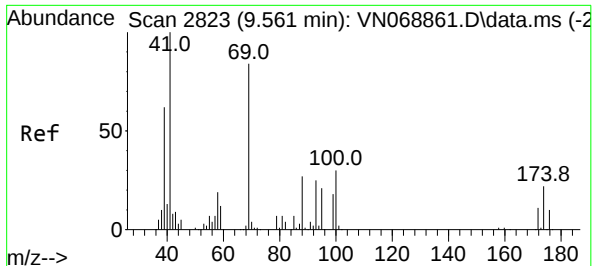
Tgt Ion: 43 Resp: 53132
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 8.8 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.565 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 63 Resp: 2278
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

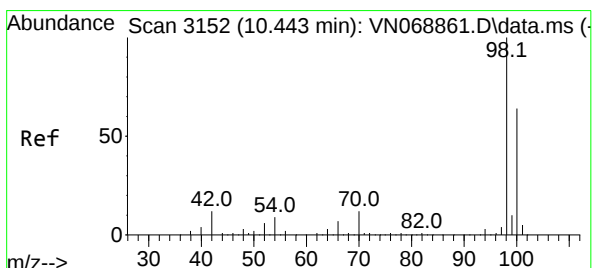
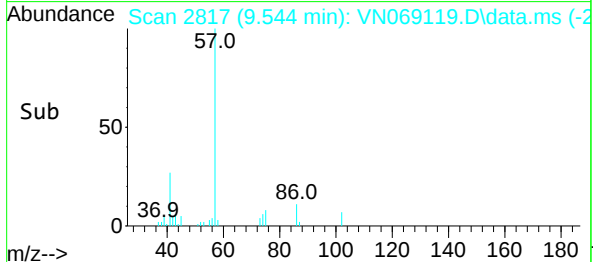
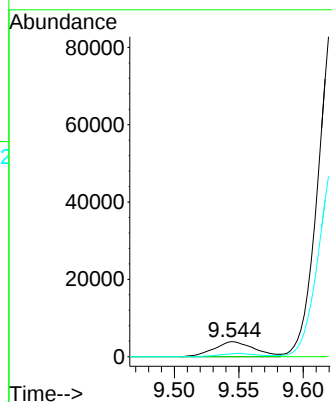
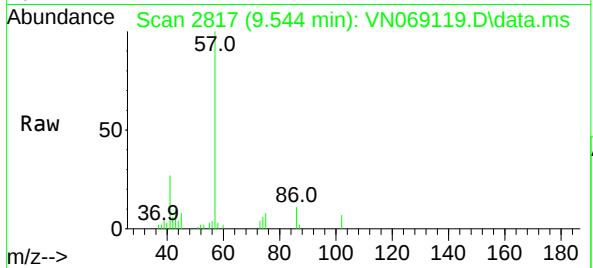




#48
Methyl methacrylate
Concen: 1.924 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

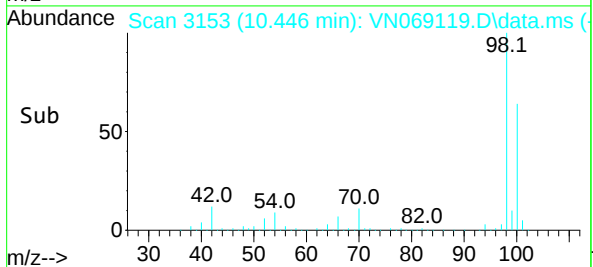
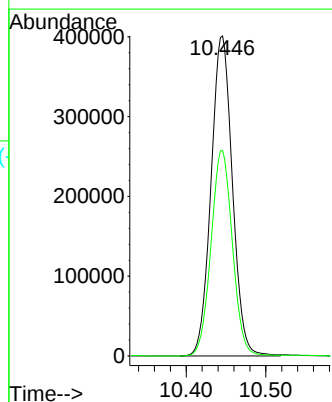
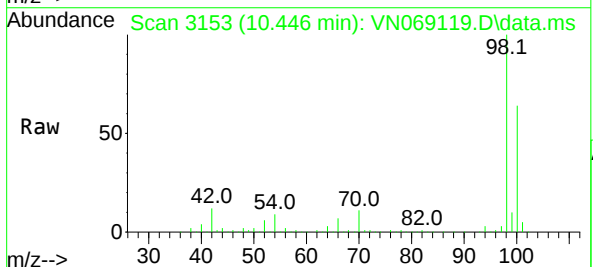
Instrument :
MSVOA_N
ClientSampled :

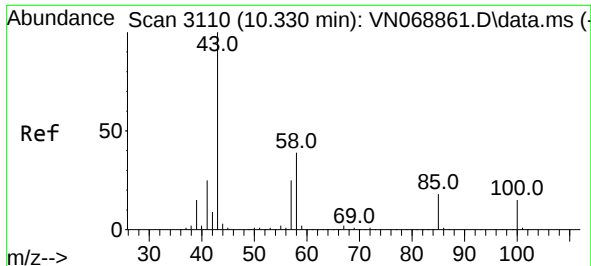
Tgt Ion: 41 Resp: 8411
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 53.888 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 98 Resp: 749719
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

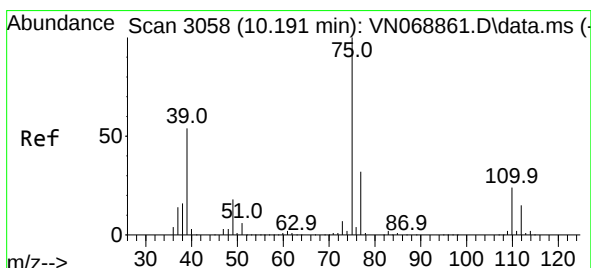
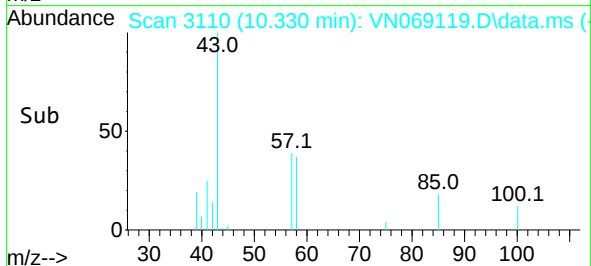
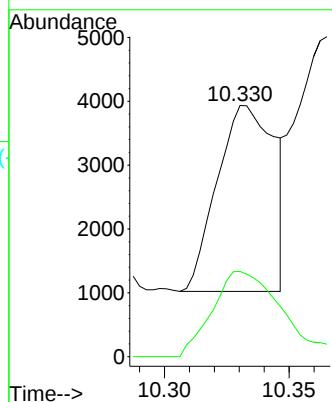
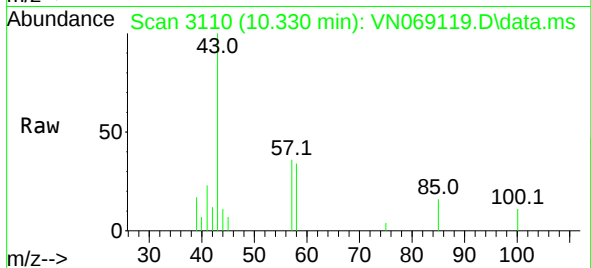




#51
4-Methyl-2-Pentanone
Concen: 0.859 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

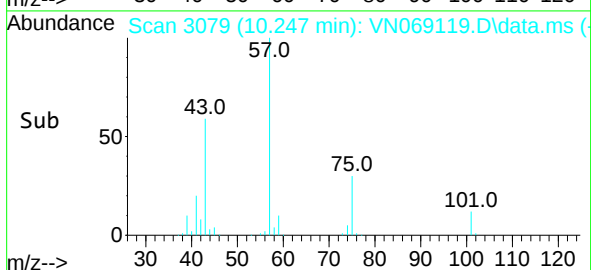
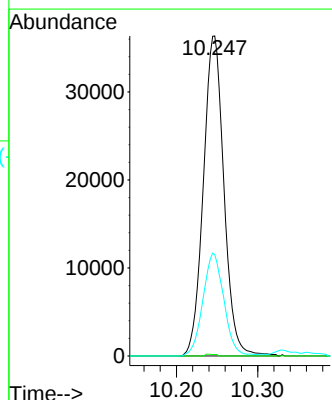
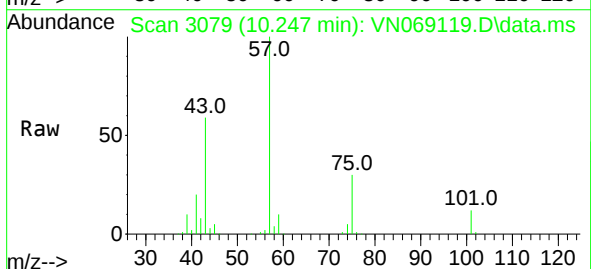
Instrument :
MSVOA_N
ClientSampled :

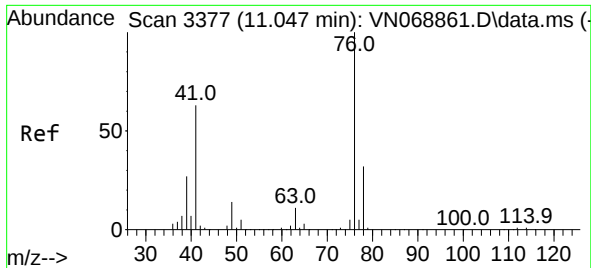
Tgt Ion: 43 Resp: 4634
Ion Ratio Lower Upper
43 100
58 55.0 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.508 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 75 Resp: 63934
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 31.6 42.9 64.3#

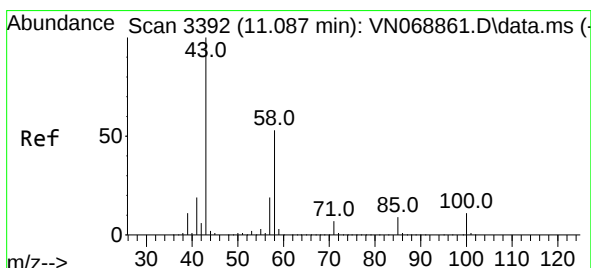
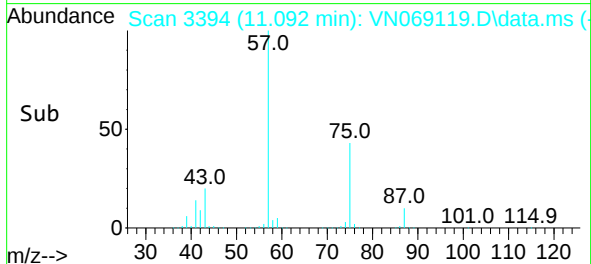
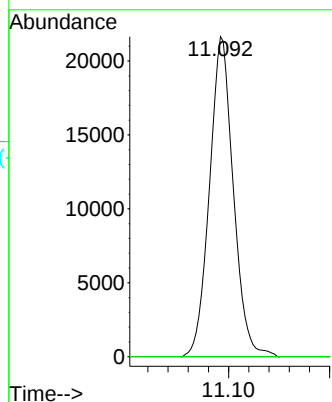
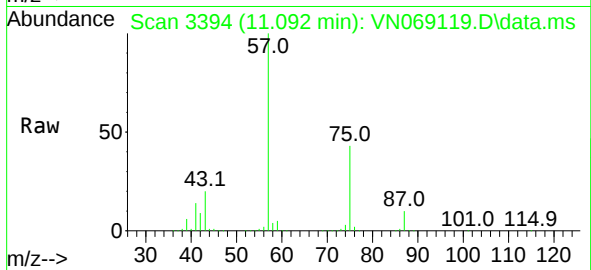




#57
1,3-Dichloropropane
Concen: 5.458 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

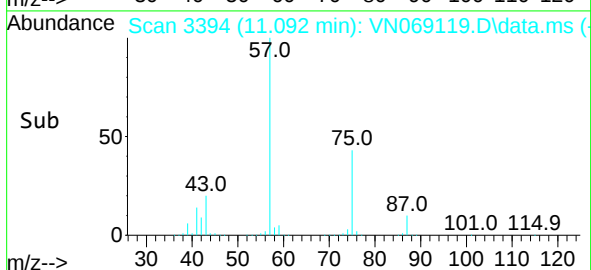
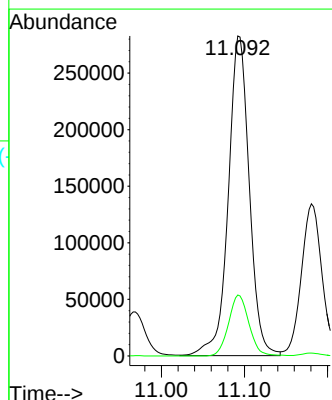
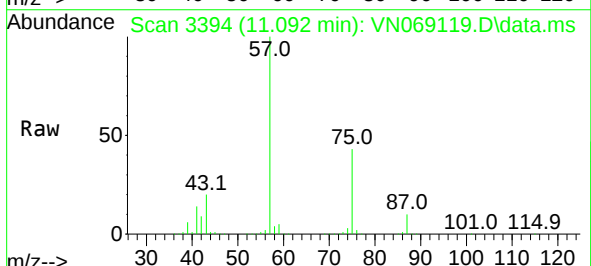
Instrument :
MSVOA_N
ClientSampleId :

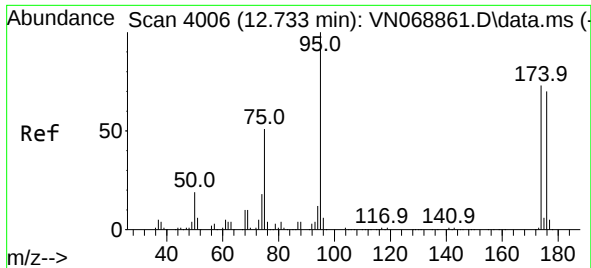
Tgt Ion: 76 Resp: 35489
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 128.369 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 43 Resp: 496546
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#

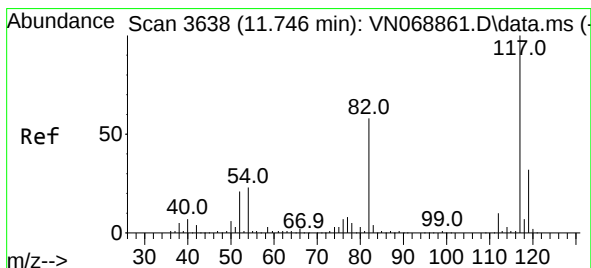
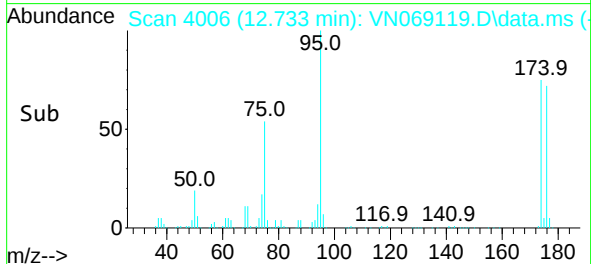
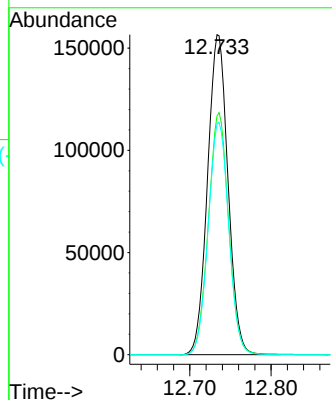
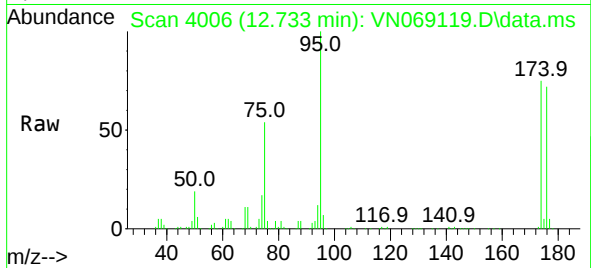




#62
4-Bromofluorobenzene
Concen: 52.105 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

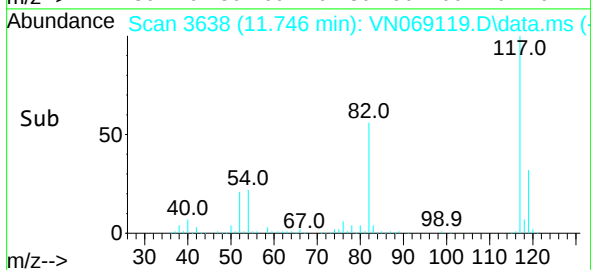
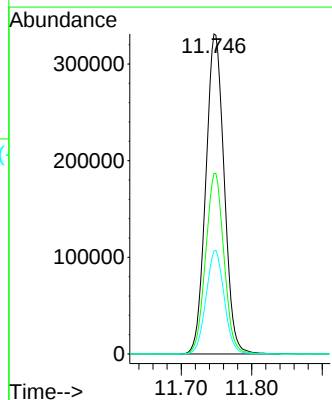
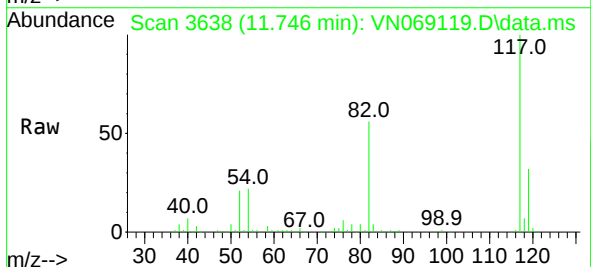
Instrument :
MSVOA_N
ClientSampleId :

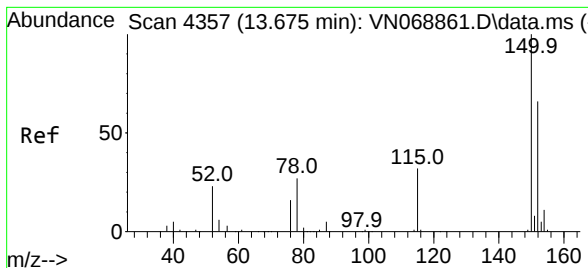
Tgt Ion: 95 Resp: 273504
Ion Ratio Lower Upper
95 100
174 74.9 0.0 144.8
176 72.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion: 117 Resp: 599246
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.2 26.0 39.0

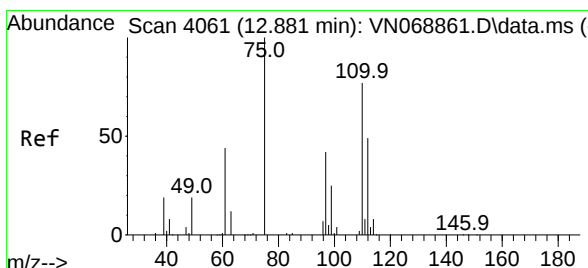
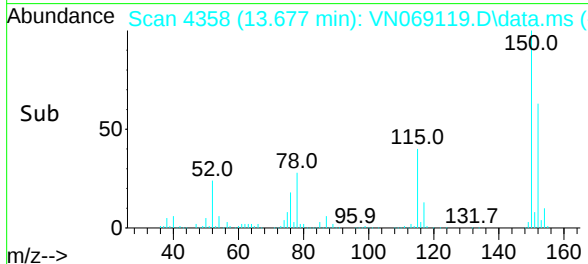
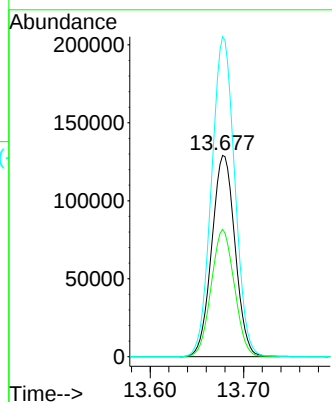
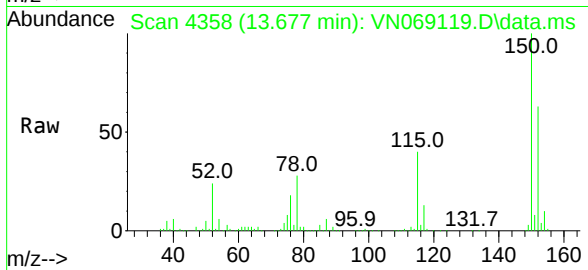




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069119.D
 Acq: 22 Oct 2021 5:02

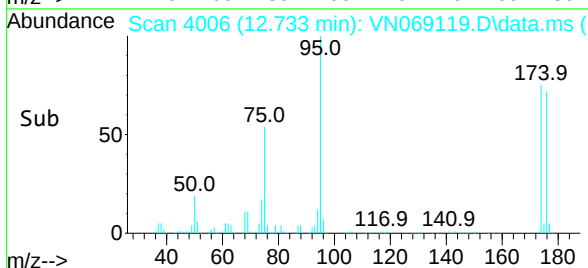
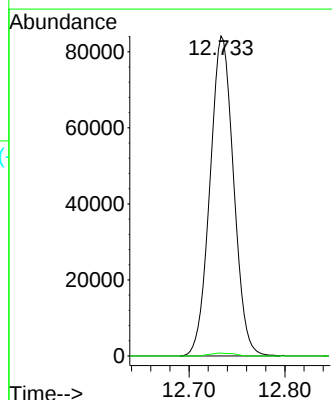
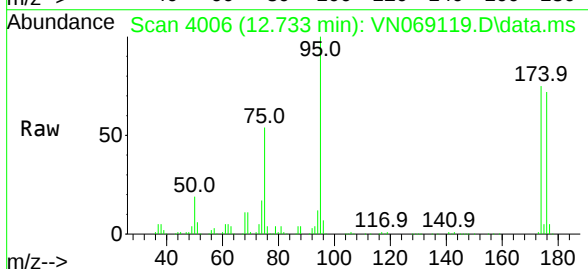
Instrument :
 MSVOA_N
 ClientSampled :

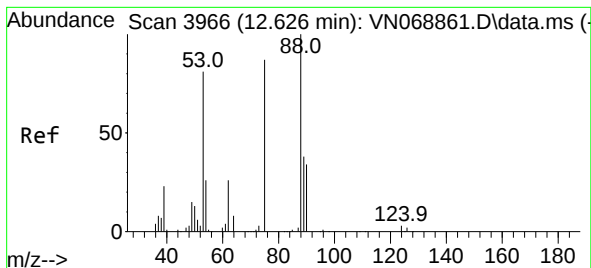
Tgt Ion:152 Resp: 224054
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.4 94.3
 150 158.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.245 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069119.D
 Acq: 22 Oct 2021 5:02

Tgt Ion: 75 Resp: 144187
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

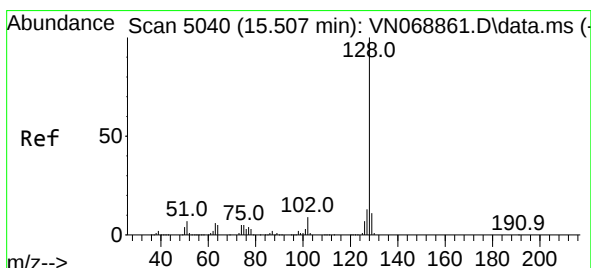
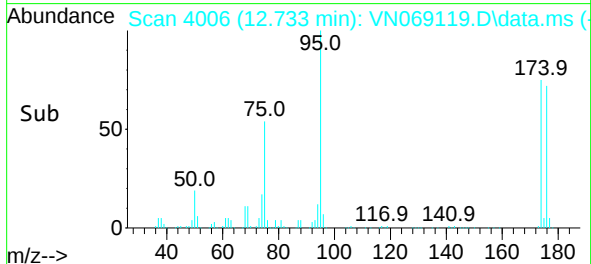
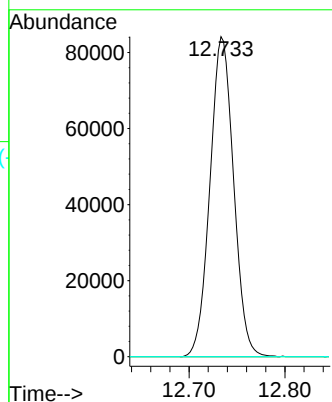
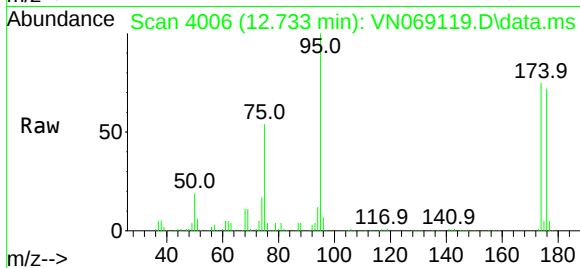




#81
trans-1,4-Dichloro-2-butene
Concen: 72.360 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 144187
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.854 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069119.D
Acq: 22 Oct 2021 5:02

Tgt Ion:128 Resp: 477
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

