

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069113.D
 Acq On : 22 Oct 2021 2:31
 Operator : JC/MD
 Sample : M4274-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 03:17:30 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)

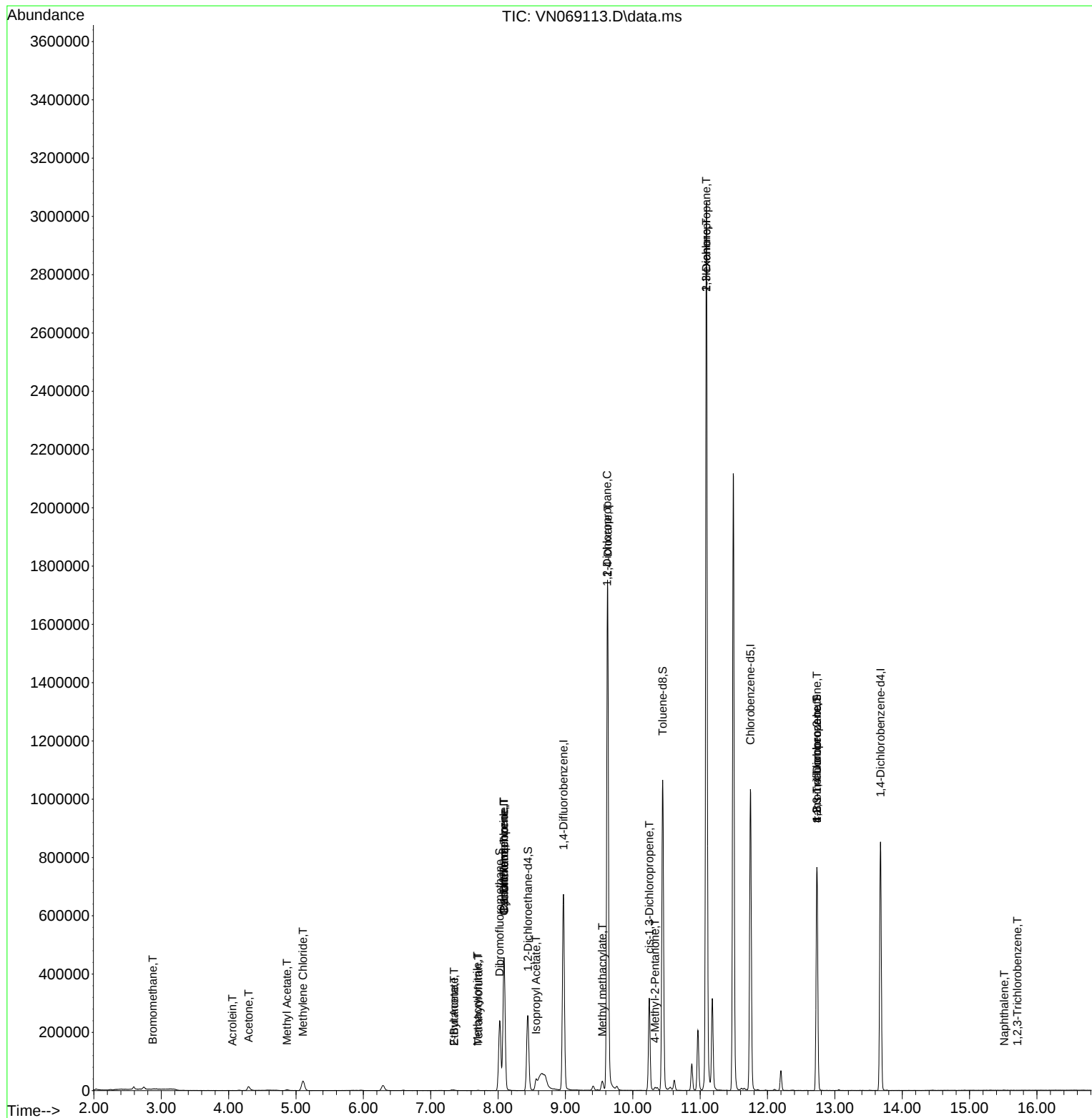
Internal Standards						
1) Pentafluorobenzene	8.088	168	349011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	606990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	612247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	229937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	224604	48.810	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	97.620%	
35) Dibromofluoromethane	8.024	113	176740	50.046	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.100%	
50) Toluene-d8	10.443	98	764602	54.111	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	108.220%	
62) 4-Bromofluorobenzene	12.734	95	278528	52.245	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	104.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	739	0.310	ug/l	91
13) Acrolein	4.057	56	79	0.212	ug/l #	13
16) Acetone	4.296	43	25648	14.936	ug/l	96
18) Methyl Acetate	4.867	43	5798	0.890	ug/l #	89
20) Methylene Chloride	5.103	84	27927	7.066	ug/l	90
25) 2-Butanone	7.346	43	4216	1.624	ug/l	98
29) Tetrahydrofuran	7.708	42	753	0.447	ug/l #	43
31) Cyclohexane	8.091	56	7788	1.089	ug/l #	9
36) 1,1-Dichloropropene	8.088	75	28048	5.410	ug/l #	50
37) Ethyl Acetate	7.346	43	4216	0.787	ug/l #	68
38) Carbon Tetrachloride	8.086	117	35976	6.318	ug/l #	16
41) Methacrylonitrile	7.694	41	572	0.212	ug/l #	27
43) Isopropyl Acetate	8.563	43	46077	4.877	ug/l #	85
45) 1,2-Dichloropropane	9.620	63	1892	0.462	ug/l #	43
48) Methyl methacrylate	9.547	41	7609	1.714	ug/l #	13
49) 1,4-Dioxane	9.631	88	121	36.982	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	5325	0.972	ug/l #	79
54) cis-1,3-Dichloropropene	10.245	75	60252	8.822	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	33366	5.053	ug/l #	42
59) 2-Hexanone	11.092	43	467508	119.001	ug/l #	51
76) 1,2,3-Trichloropropane	12.734	75	147235	30.095	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	147235	72.000	ug/l #	12
95) Naphthalene	15.515	128	1321	3.926	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	51	2.527	ug/l #	1

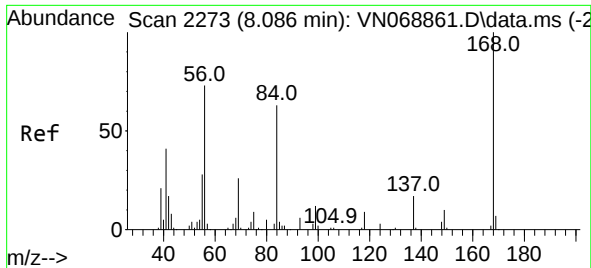
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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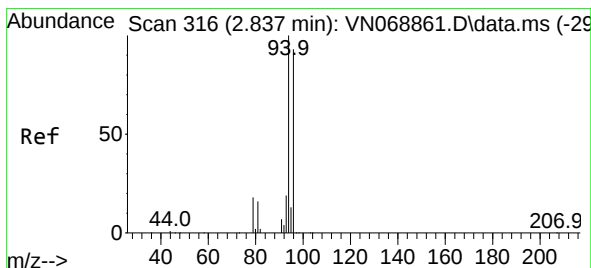
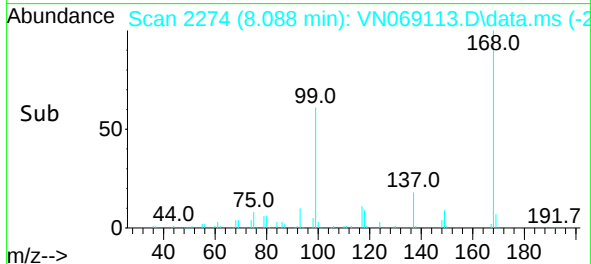
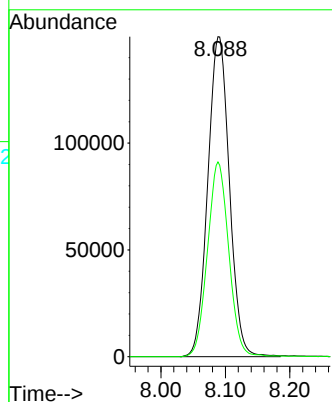
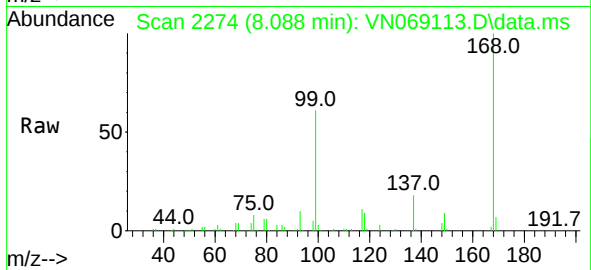




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

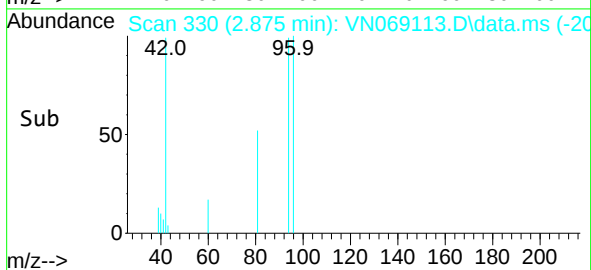
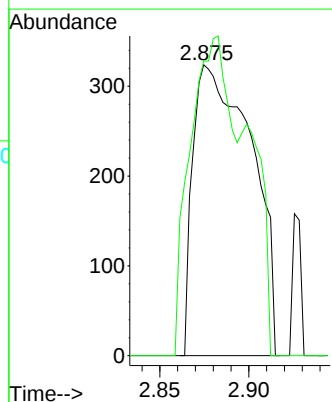
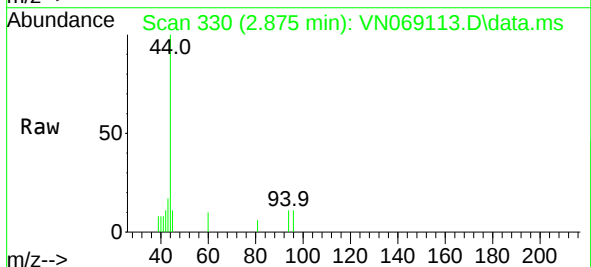
Instrument :
MSVOA_N
ClientSampled :

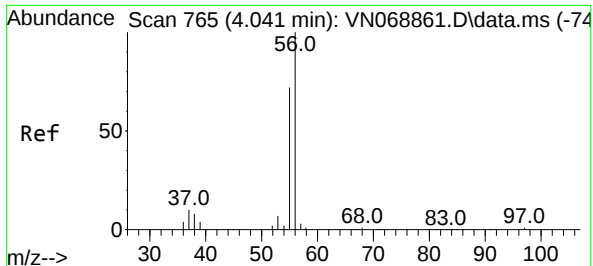
Tgt Ion:168 Resp: 349011
Ion Ratio Lower Upper
168 100
99 60.9 48.9 73.3



#5
Bromomethane
Concen: 0.310 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 101.2 74.2 111.4

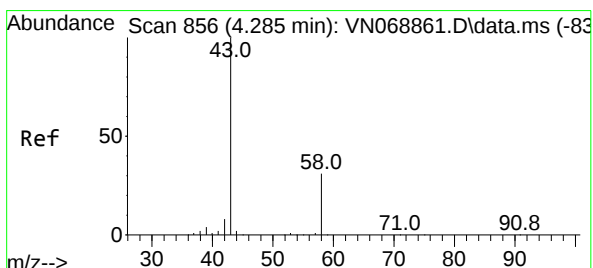
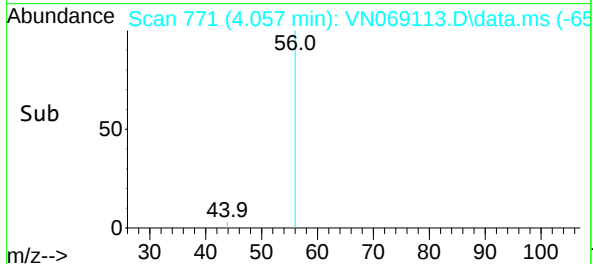
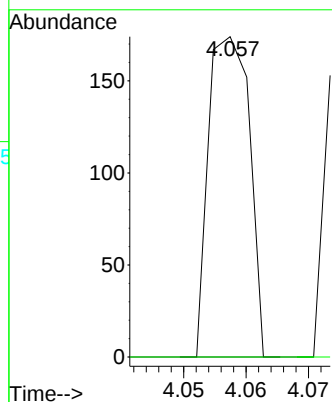
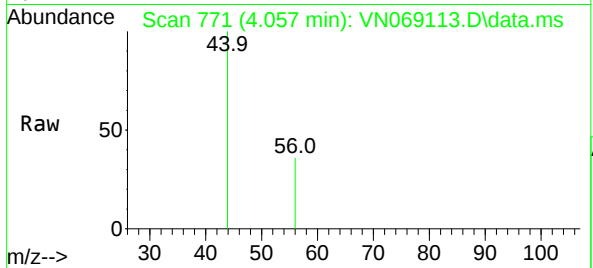




#13
Acrolein
Concen: 0.212 ug/l
RT: 4.057 min Scan# 771
Delta R.T. 0.016 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

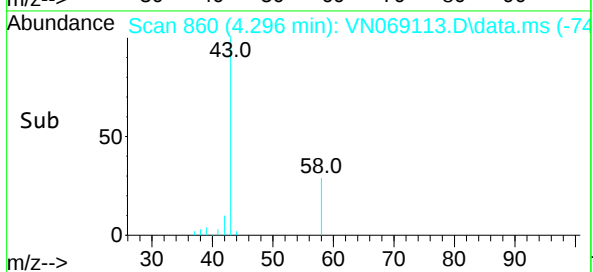
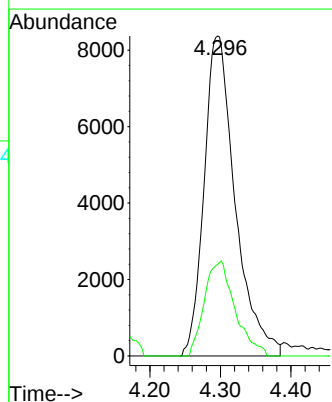
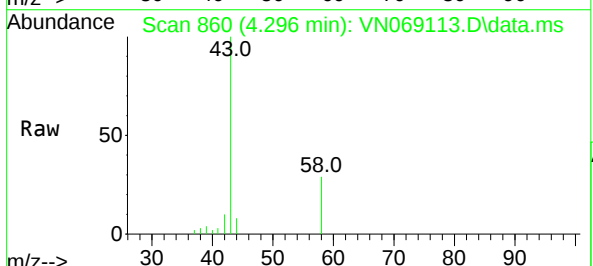
Instrument :
MSVOA_N
ClientSampled :

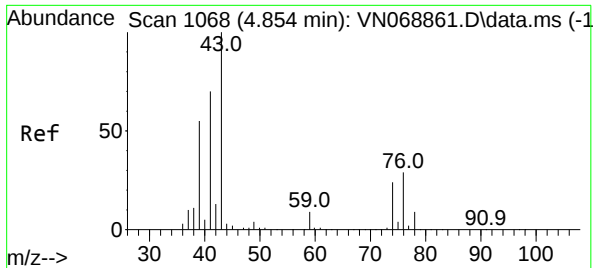
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#



#16
Acetone
Concen: 14.936 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 43 Resp: 25648
Ion Ratio Lower Upper
43 100
58 28.7 24.5 36.7

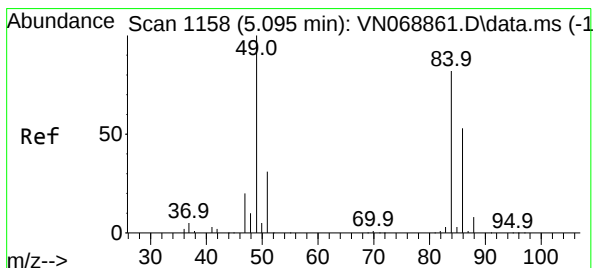
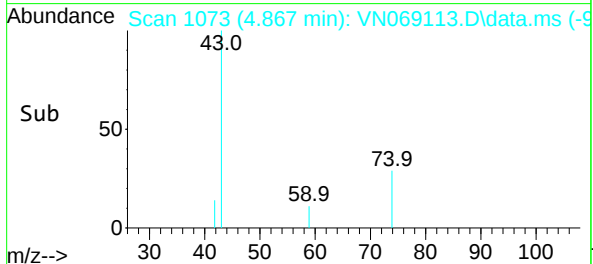
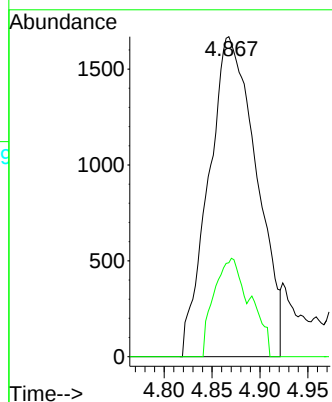
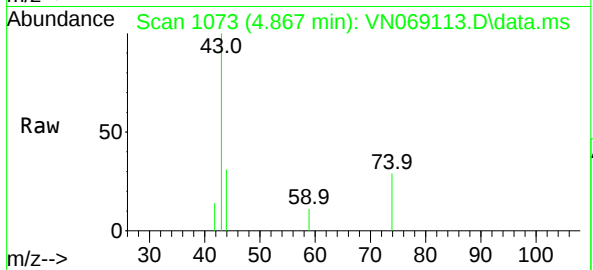




#18
Methyl Acetate
Concen: 0.890 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.014 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

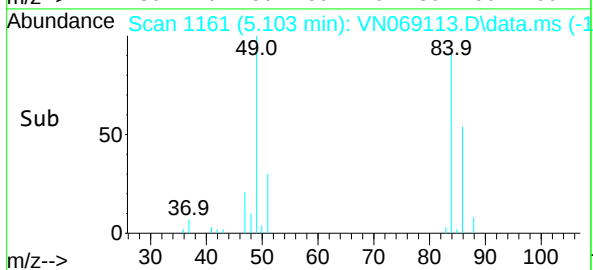
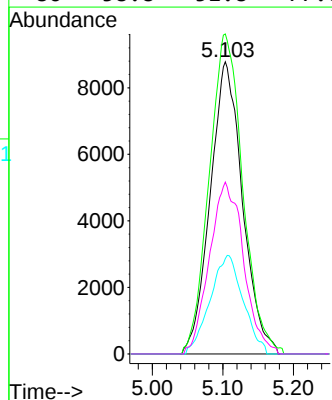
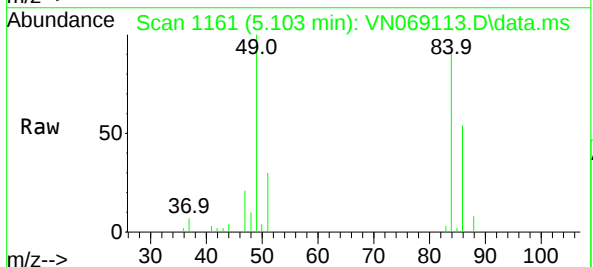
Instrument :
MSVOA_N
ClientSampled :

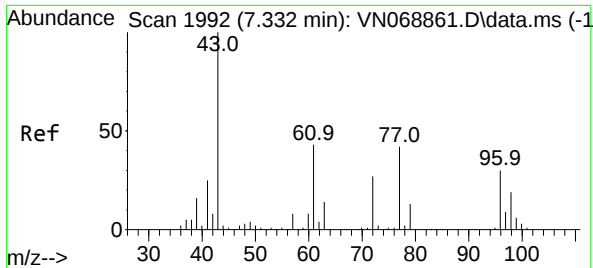
Tgt Ion: 43 Resp: 5798
Ion Ratio Lower Upper
43 100
74 18.1 18.9 28.3#



#20
Methylene Chloride
Concen: 7.066 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 84 Resp: 27927
Ion Ratio Lower Upper
84 100
49 109.5 97.6 146.4
51 32.7 30.3 45.5
86 58.8 51.8 77.6

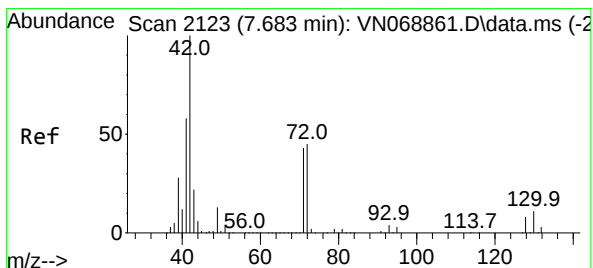
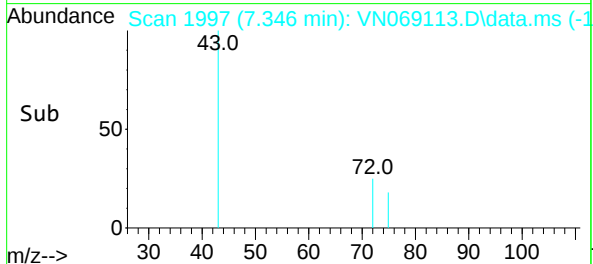
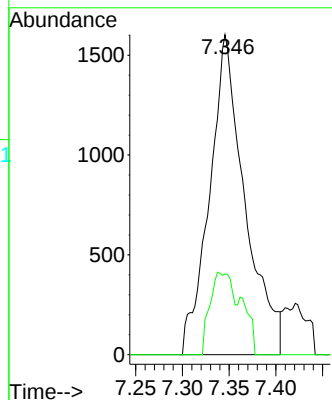
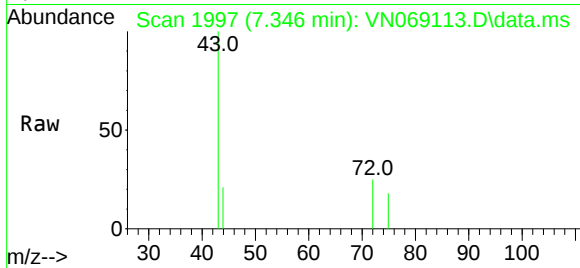




#25
2-Butanone
Concen: 1.624 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

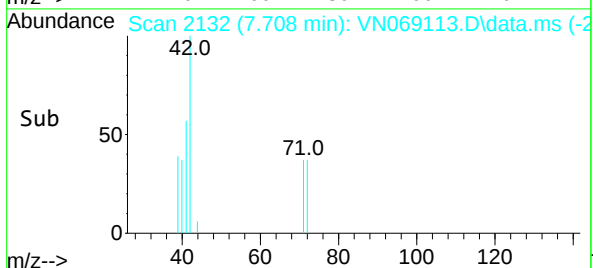
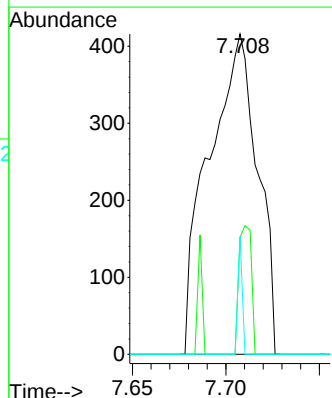
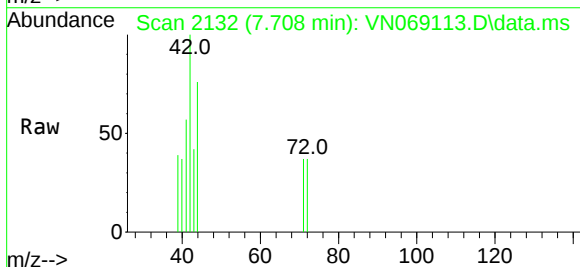
Instrument :
MSVOA_N
ClientSampled :

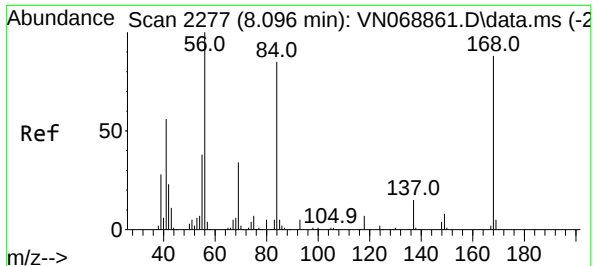
Tgt Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
72 25.3 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.447 ug/l
RT: 7.708 min Scan# 2132
Delta R.T. 0.024 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 42 Resp: 753
Ion Ratio Lower Upper
42 100
72 10.2 35.4 53.2#
71 3.3 33.8 50.6#

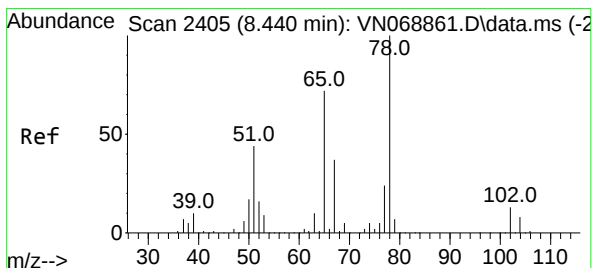
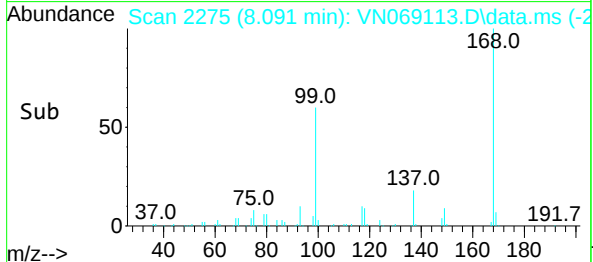
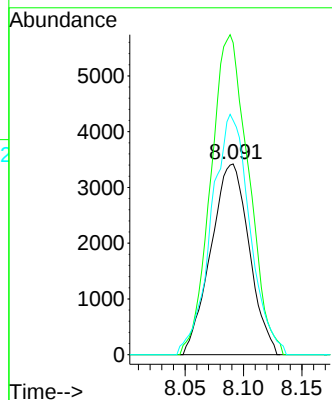
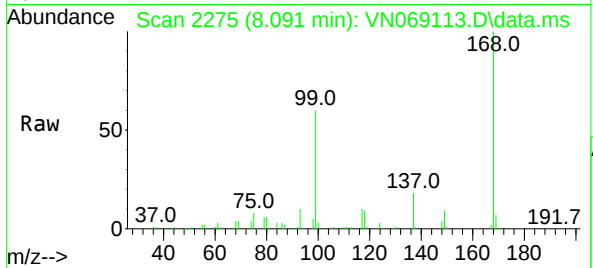




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

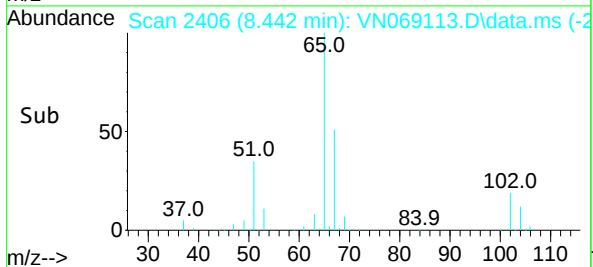
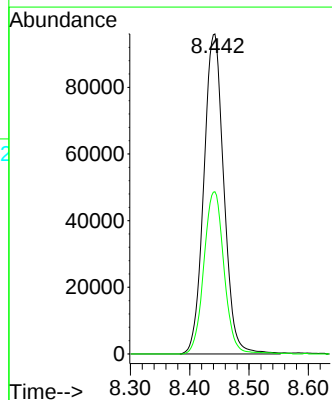
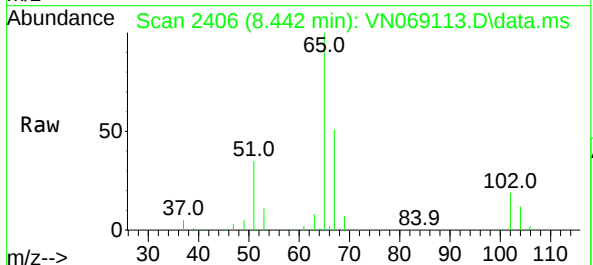
Instrument :
MSVOA_N
ClientSampled :

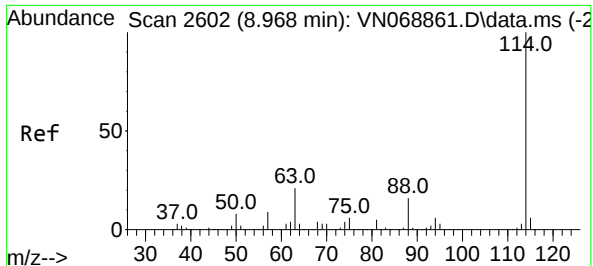
Tgt Ion: 56 Resp: 7788
Ion Ratio Lower Upper
56 100
69 163.5 26.9 40.3#
84 118.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.810 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 65 Resp: 224604
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.8

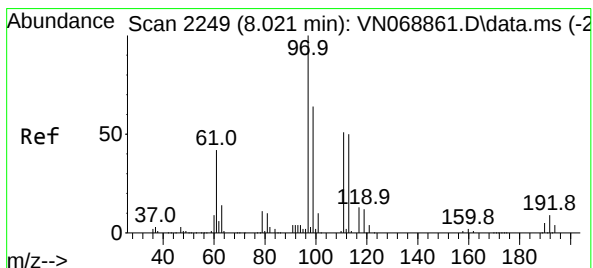
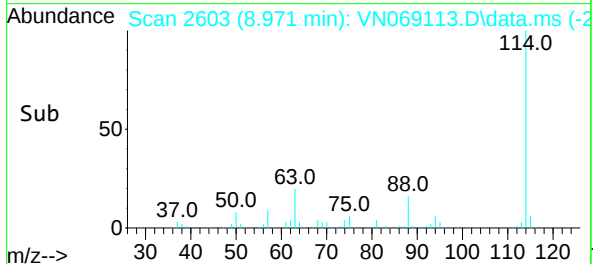
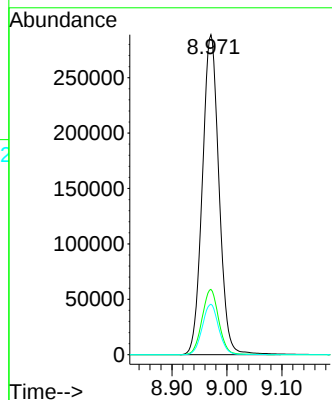
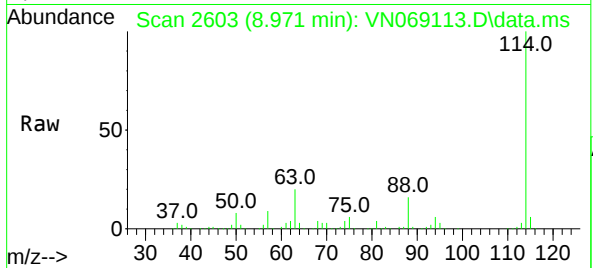




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

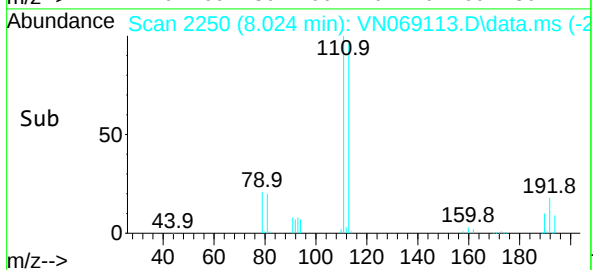
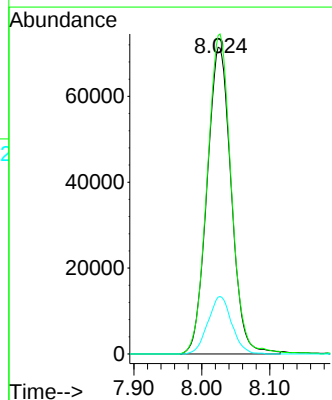
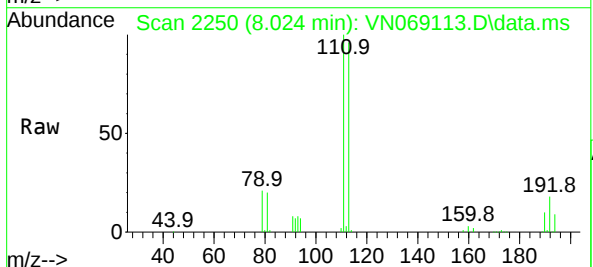
Instrument :
MSVOA_N
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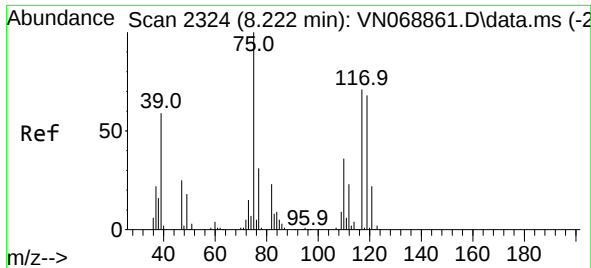
Tgt Ion:114 Resp: 606990
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.046 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion:113 Resp: 176740
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 18.5 15.0 22.4

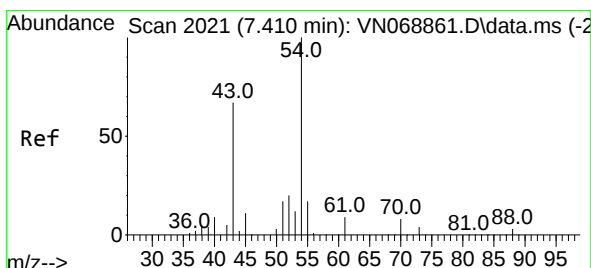
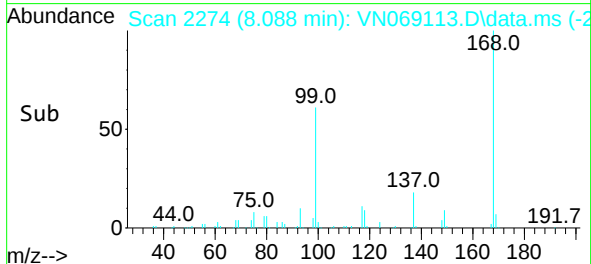
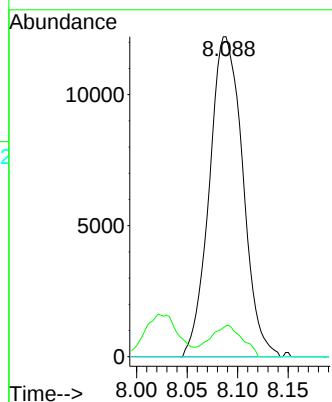
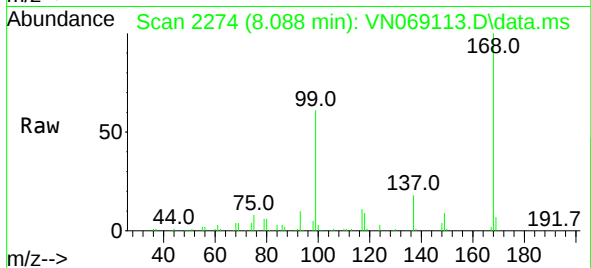




#36
1,1-Dichloropropene
Concen: 5.410 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

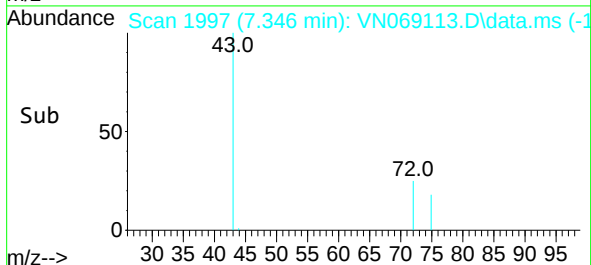
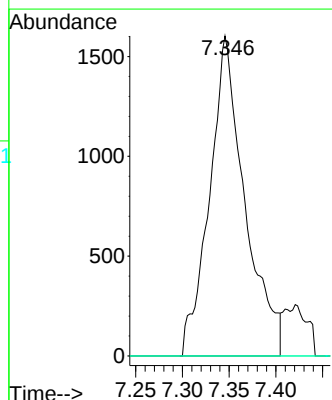
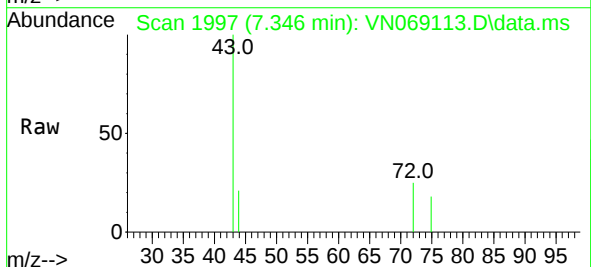
Instrument :
MSVOA_N
ClientSampled :

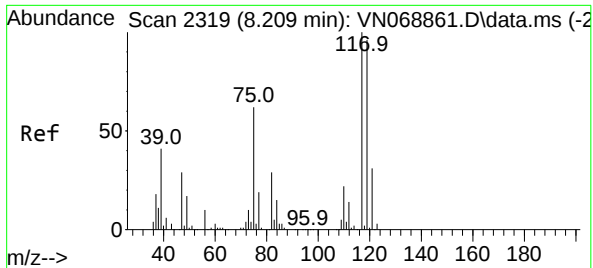
Tgt Ion: 75 Resp: 28048
Ion Ratio Lower Upper
75 100
110 9.5 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.787 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. -0.064 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#

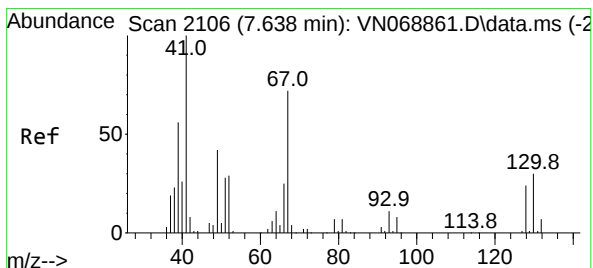
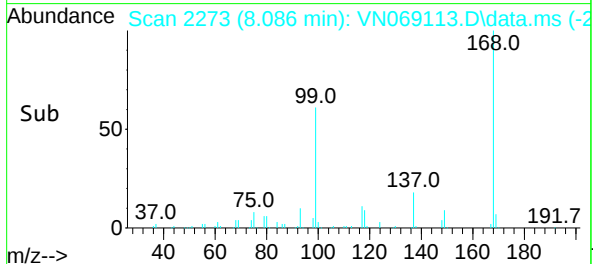
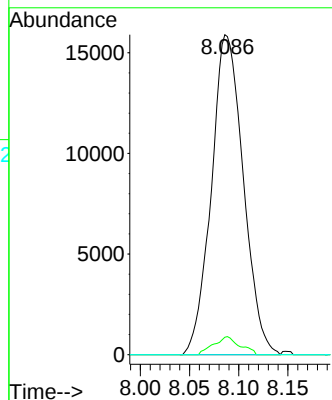
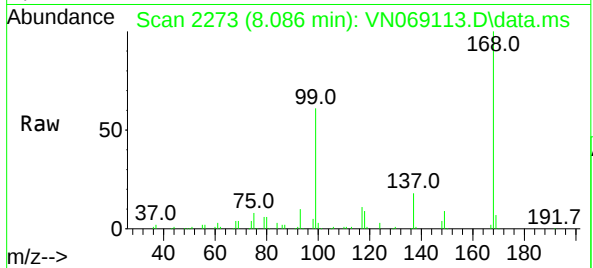




#38
Carbon Tetrachloride
Concen: 6.318 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

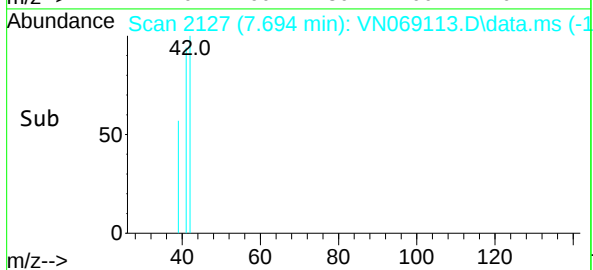
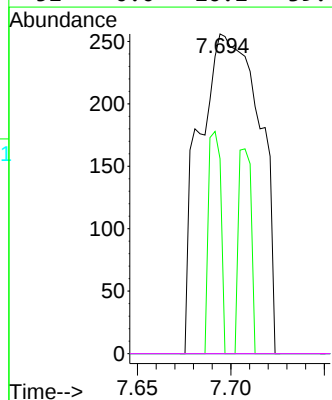
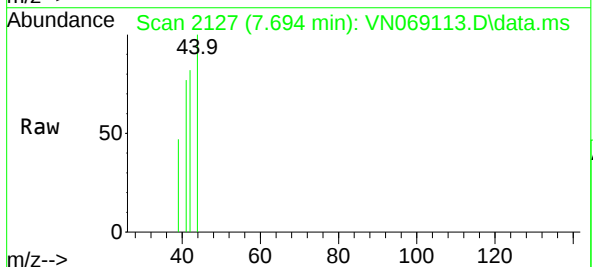
Instrument :
MSVOA_N
ClientSampled :

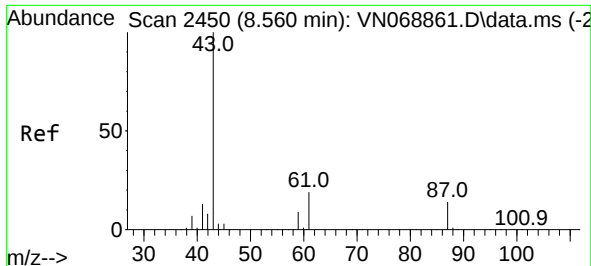
Tgt Ion:117 Resp: 35976
Ion Ratio Lower Upper
117 100
119 5.4 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 41 Resp: 572
Ion Ratio Lower Upper
41 100
39 14.3 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

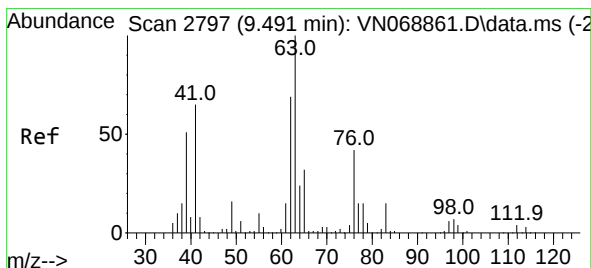
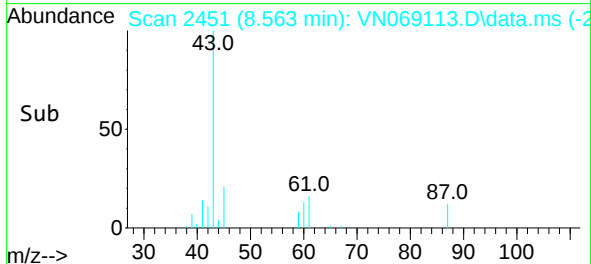
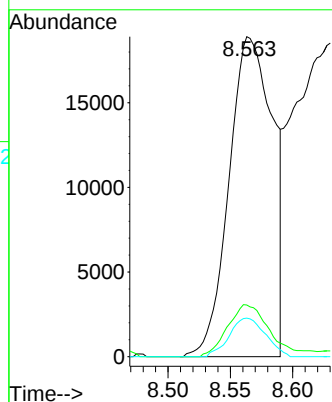
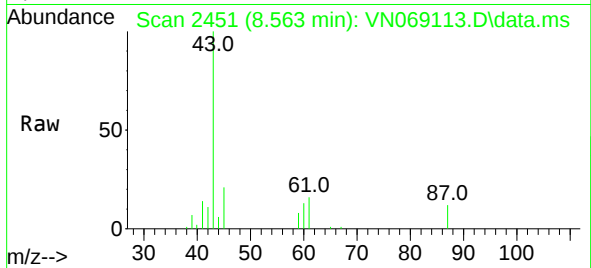




#43
Isopropyl Acetate
Concen: 4.877 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

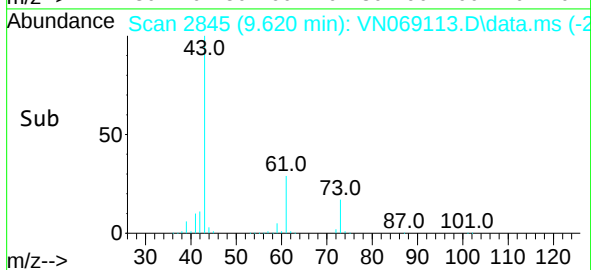
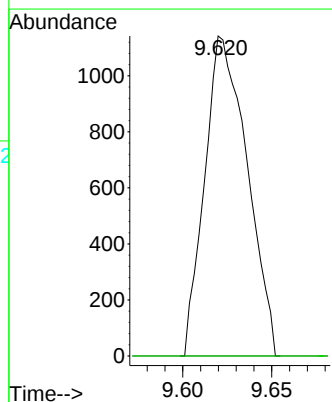
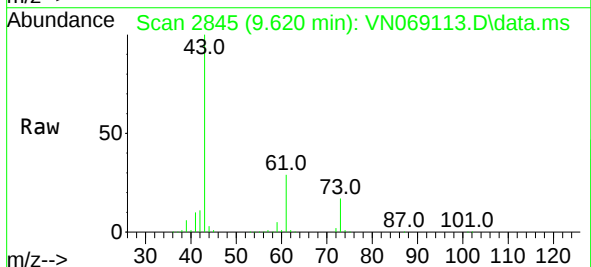
Instrument :
MSVOA_N
ClientSampled :

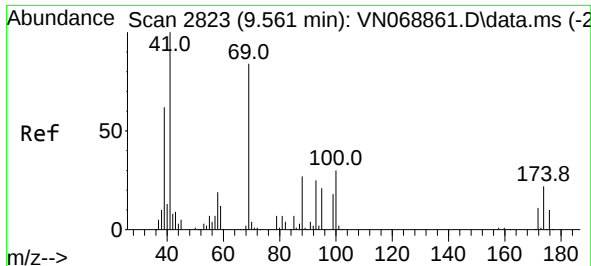
Tgt Ion: 43 Resp: 46077
Ion Ratio Lower Upper
43 100
61 15.9 20.4 30.6#
87 10.0 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.462 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 63 Resp: 1892
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

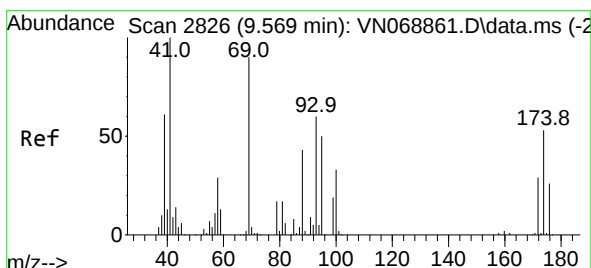
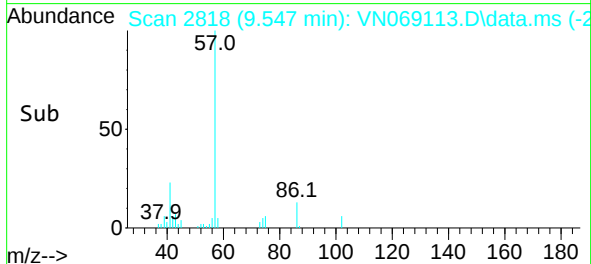
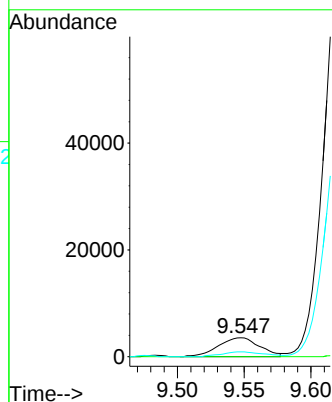
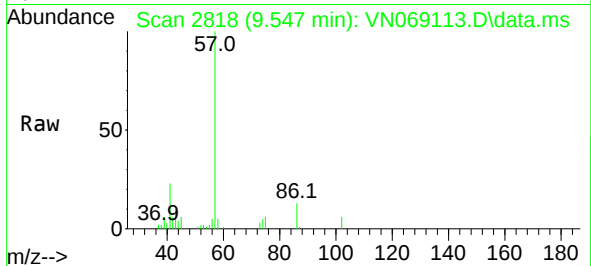




#48
Methyl methacrylate
Concen: 1.714 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

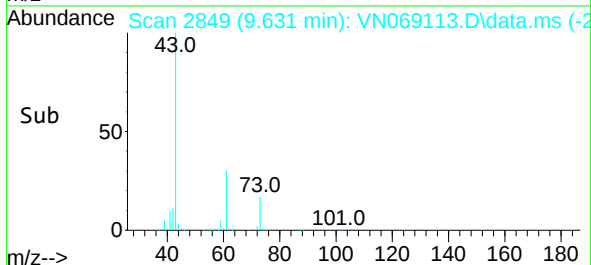
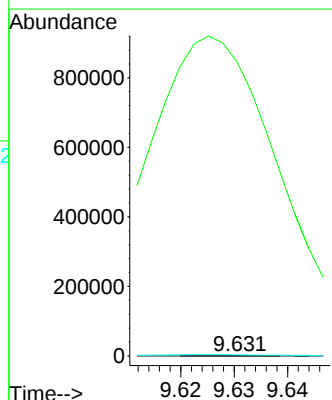
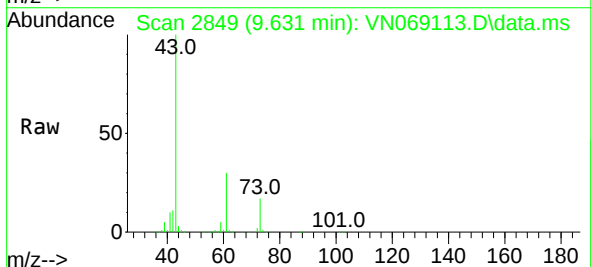
Instrument :
MSVOA_N
ClientSampled :

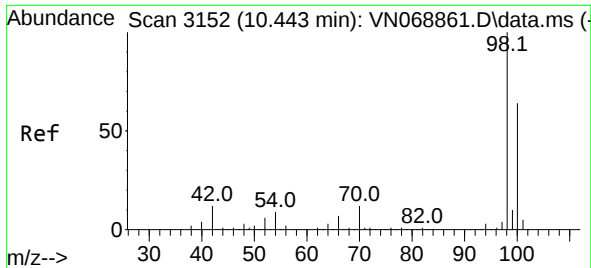
Tgt Ion: 41 Resp: 7609
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.982 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.062 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 1457555.4 24.9 37.3#
58 5962.0 56.9 85.3#

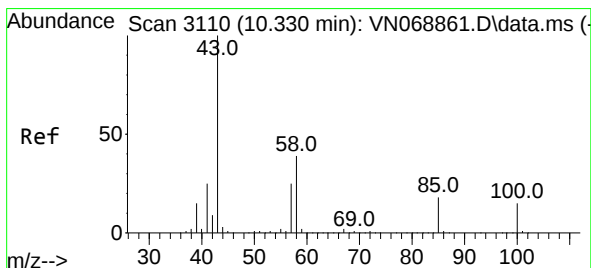
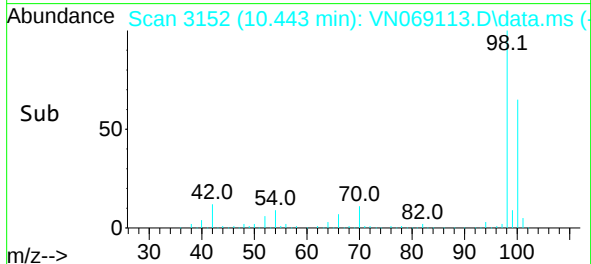
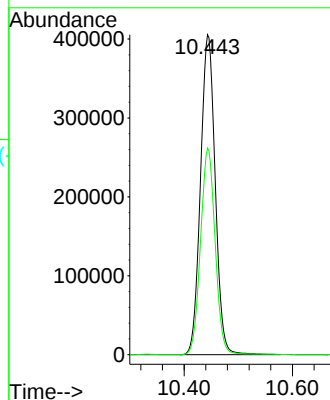
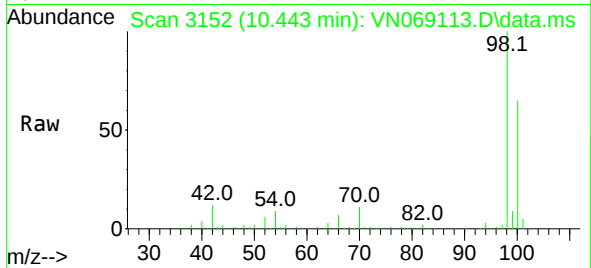




#50
Toluene-d8
Concen: 54.111 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

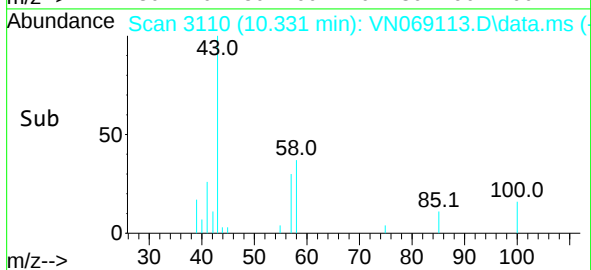
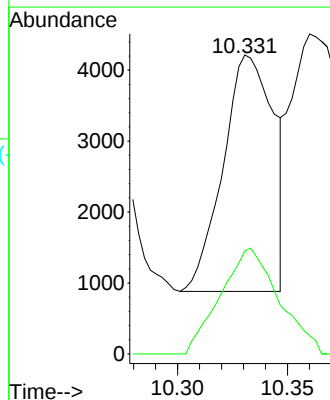
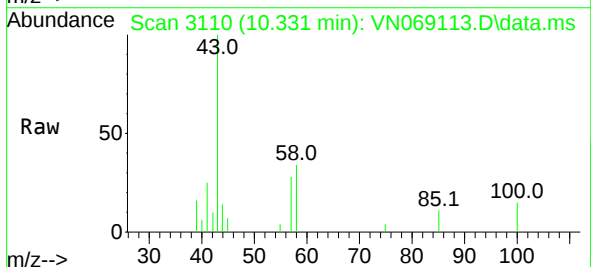
Instrument :
MSVOA_N
ClientSampled :

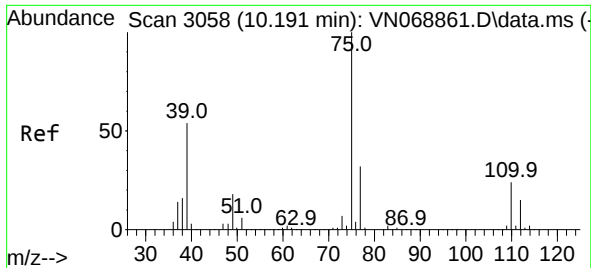
Tgt Ion: 98 Resp: 764602
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.972 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 43 Resp: 5325
Ion Ratio Lower Upper
43 100
58 51.6 31.0 46.4#

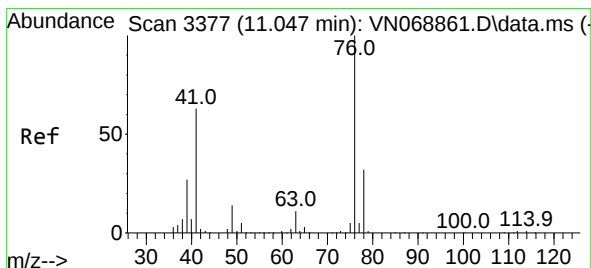
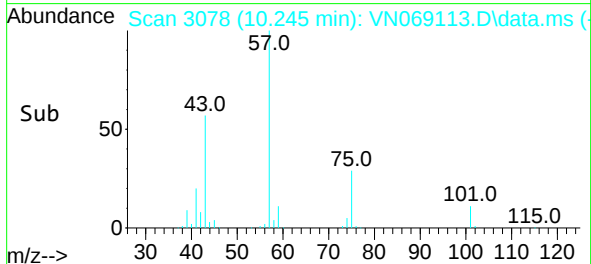
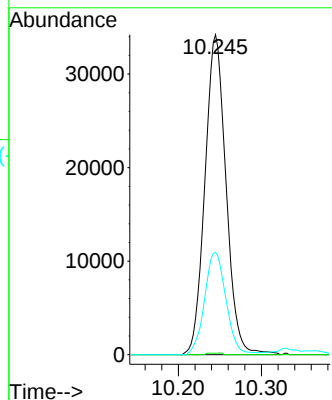
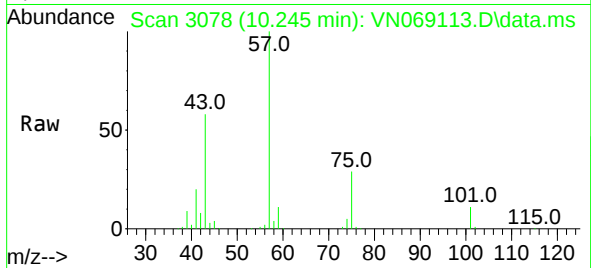




#54
 cis-1,3-Dichloropropene
 Concen: 8.822 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069113.D
 Acq: 22 Oct 2021 2:31

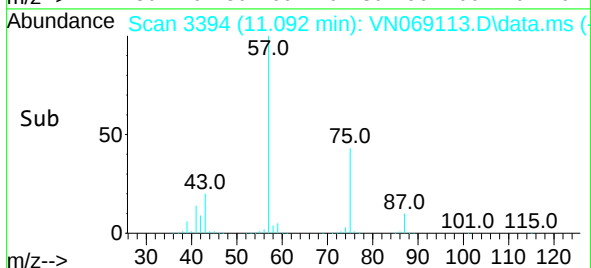
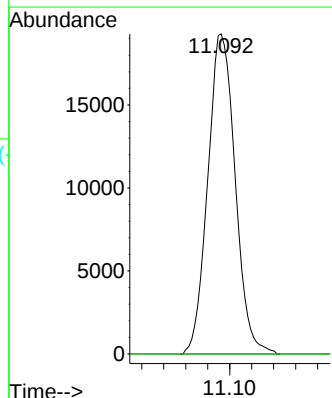
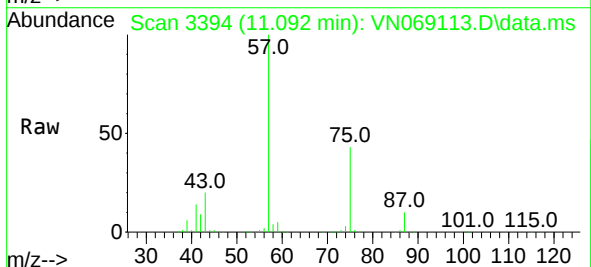
Instrument :
 MSVOA_N
 ClientSampleId :

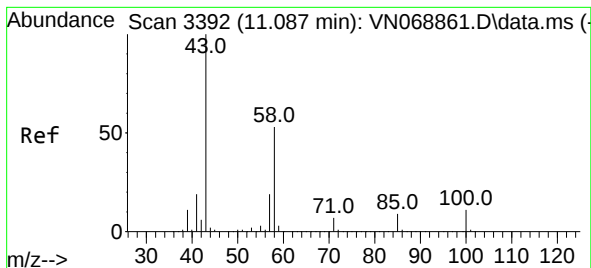
Tgt Ion: 75 Resp: 60252
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 32.0 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.053 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069113.D
 Acq: 22 Oct 2021 2:31

Tgt Ion: 76 Resp: 33366
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

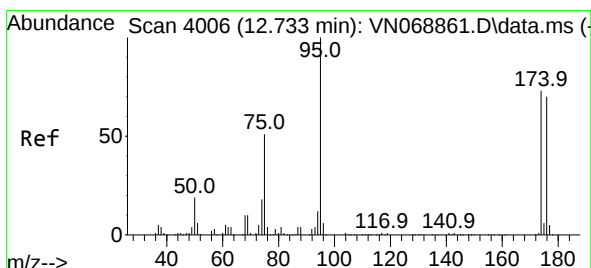
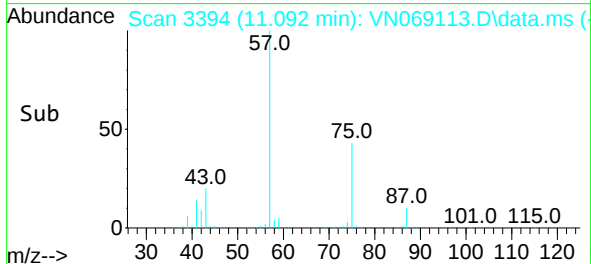
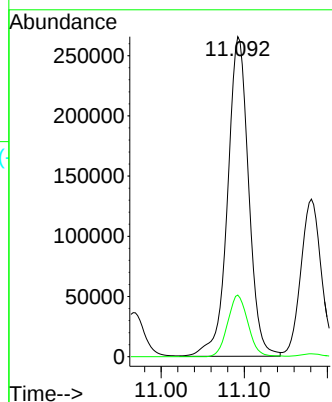
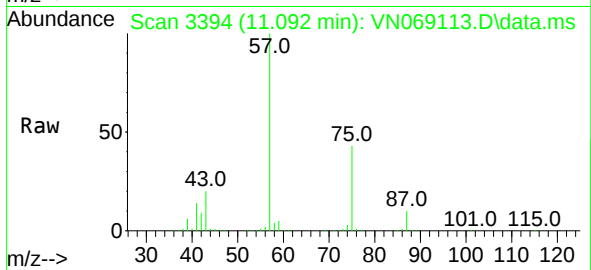




#59
2-Hexanone
Concen: 119.001 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

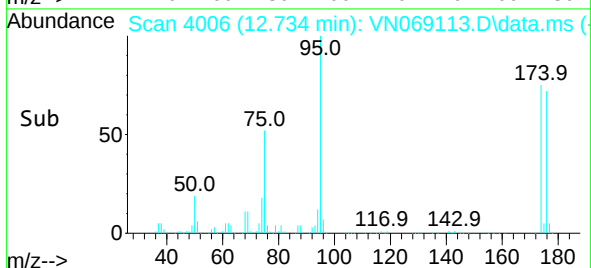
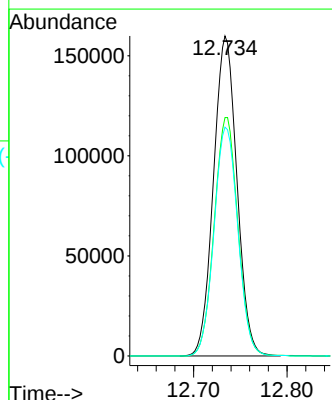
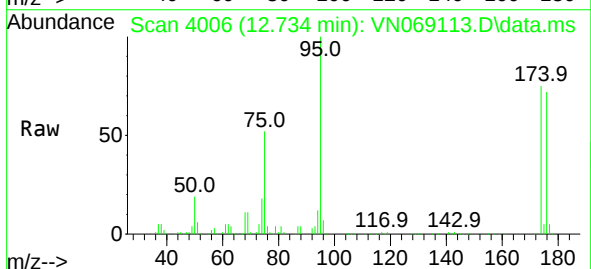
Instrument :
MSVOA_N
ClientSampled :

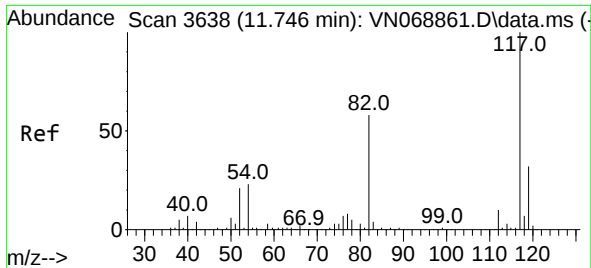
Tgt Ion: 43 Resp: 467508
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.245 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 95 Resp: 278528
Ion Ratio Lower Upper
95 100
174 75.3 0.0 144.8
176 72.9 0.0 140.0

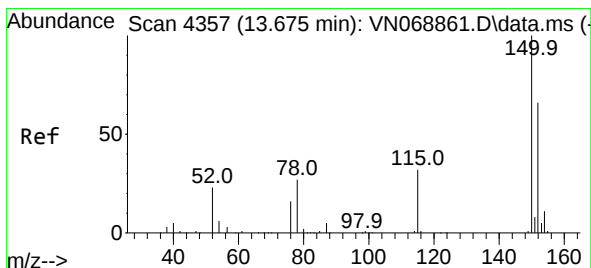
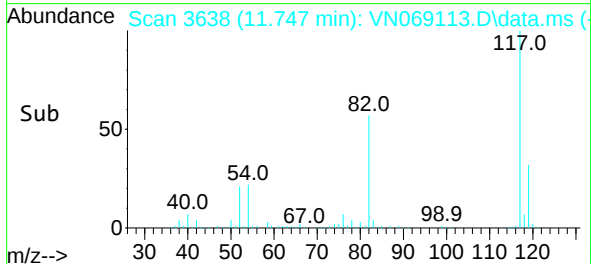
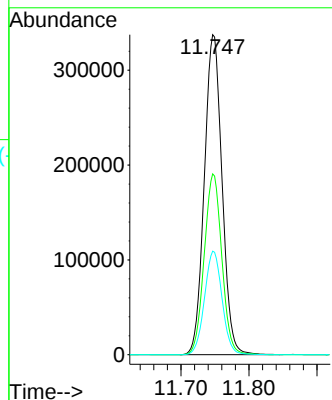
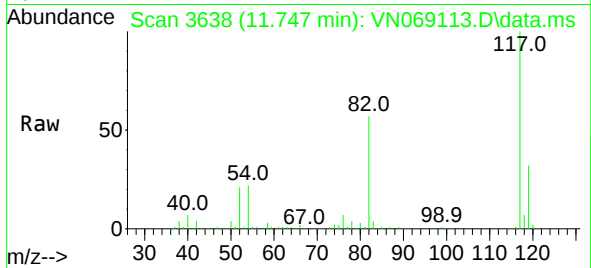




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

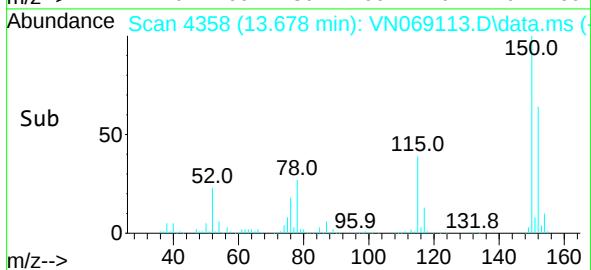
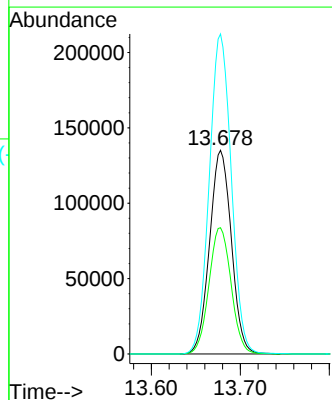
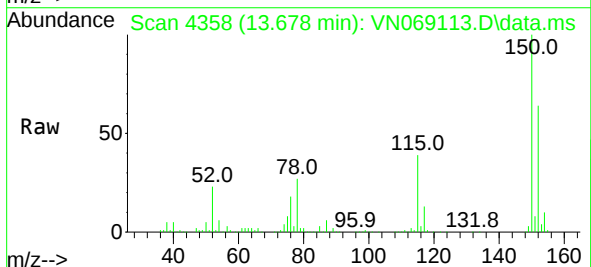
Instrument :
MSVOA_N
ClientSampleId :

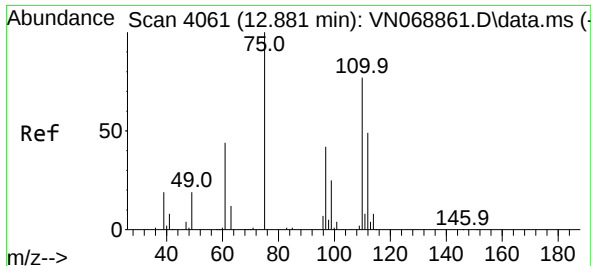
Tgt Ion:117 Resp: 612247
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion:152 Resp: 229937
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 158.5 0.0 351.0

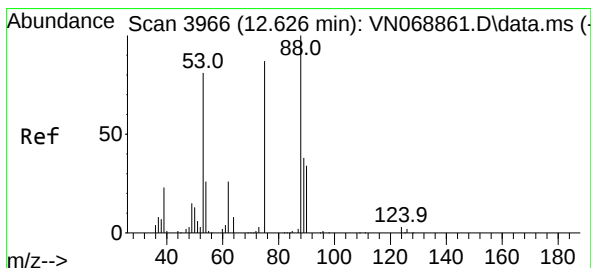
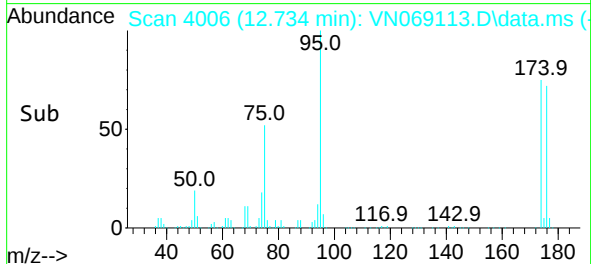
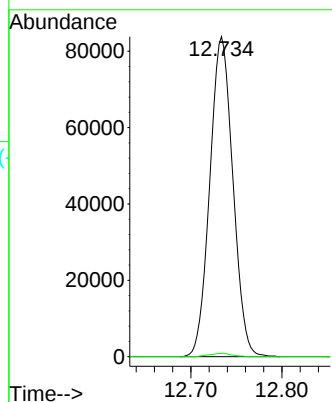
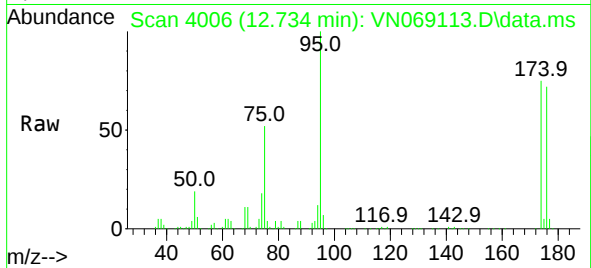




#76
1,2,3-Trichloropropane
Concen: 30.095 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

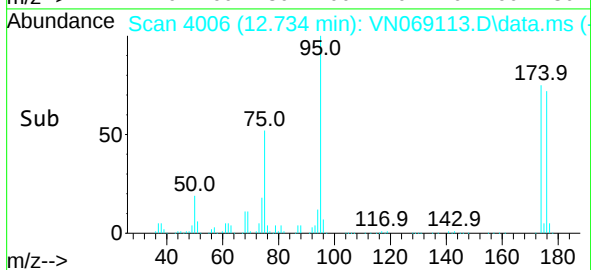
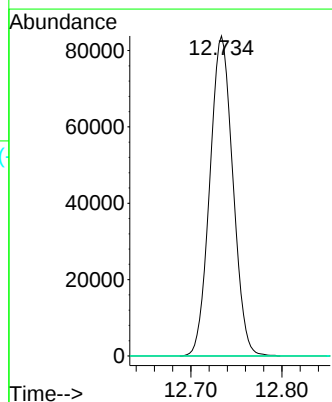
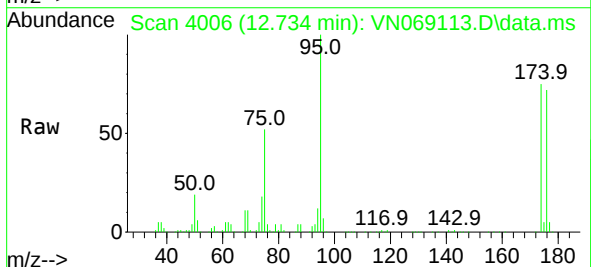
Instrument :
MSVOA_N
ClientSampleId :

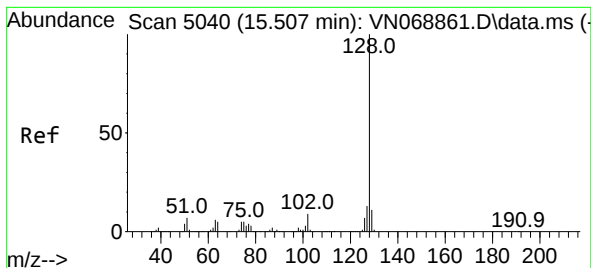
Tgt Ion: 75 Resp: 147235
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.000 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion: 75 Resp: 147235
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

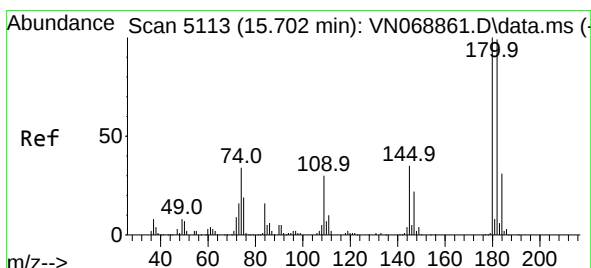
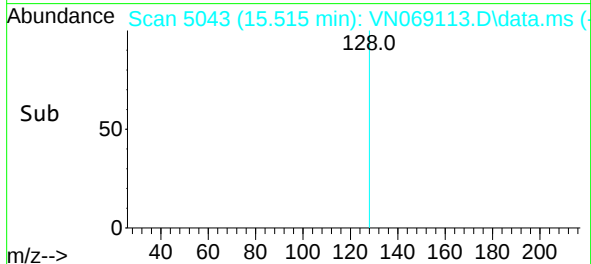
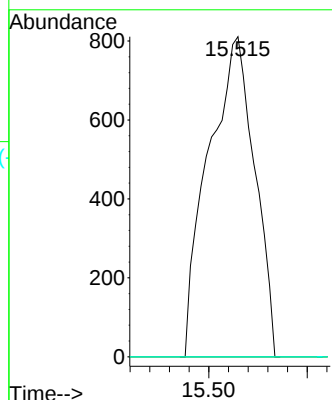
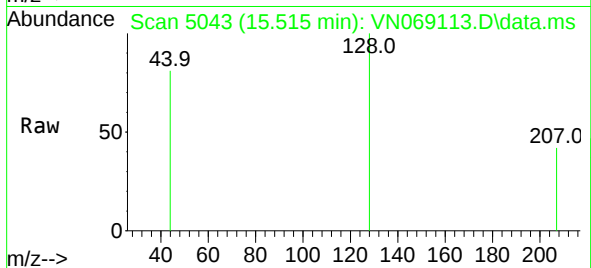




#95
Naphthalene
Concen: 3.926 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1321
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: 2.527 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069113.D
Acq: 22 Oct 2021 2:31

Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 213.7 48.1 144.3#
145 0.0 17.4 52.2#

