

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069006.D
 Acq On : 19 Oct 2021 3:19
 Operator : JC/MD
 Sample : M4242-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 09:59:42 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)

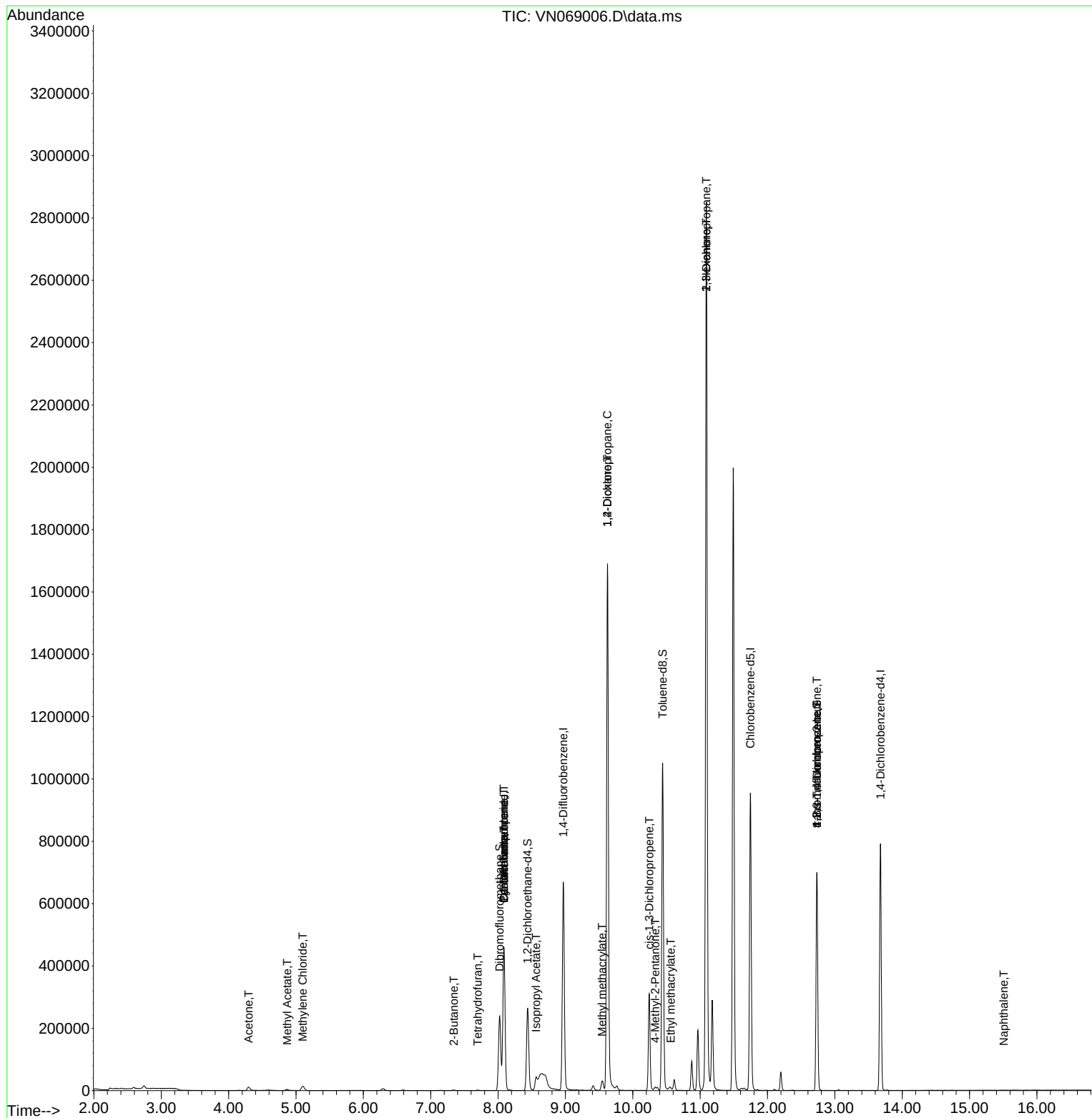
Internal Standards						
1) Pentafluorobenzene	8.088	168	348218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	596566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	557431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	209464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	224575	48.915	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.820%		
35) Dibromofluoromethane	8.024	113	177850	51.241	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.480%		
50) Toluene-d8	10.443	98	742225	53.445	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.900%		
62) 4-Bromofluorobenzene	12.734	95	254563	48.584	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.160%		
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	21159	12.350	ug/l	100
18) Methyl Acetate	4.870	43	7521	1.157	ug/l	96
20) Methylene Chloride	5.101	84	11576	2.935	ug/l	96
25) 2-Butanone	7.343	43	3502	1.352	ug/l	96
29) Tetrahydrofuran	7.697	42	1151	0.685	ug/l #	60
31) Cyclohexane	8.088	56	8451	1.184	ug/l #	4
36) 1,1-Dichloropropene	8.086	75	28721	5.636	ug/l #	50
38) Carbon Tetrachloride	8.086	117	35942	6.422	ug/l #	16
43) Isopropyl Acetate	8.566	43	47517	5.117	ug/l #	85
45) 1,2-Dichloropropane	9.622	63	2077	0.516	ug/l #	43
48) Methyl methacrylate	9.545	41	8251	1.891	ug/l #	13
49) 1,4-Dioxane	9.622	88	85	36.598	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7249	1.346	ug/l	95
54) cis-1,3-Dichloropropene	10.245	75	58984	8.787	ug/l #	58
56) Ethyl methacrylate	10.564	69	4710	0.713	ug/l #	86
57) 1,3-Dichloropropane	11.092	76	30690	4.729	ug/l #	42
59) 2-Hexanone	11.092	43	444230	115.052	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	132033	29.625	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	132033	70.876	ug/l #	12
95) Naphthalene	15.507	128	367	3.847	ug/l #	69

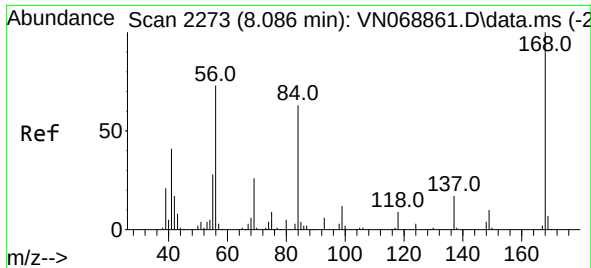
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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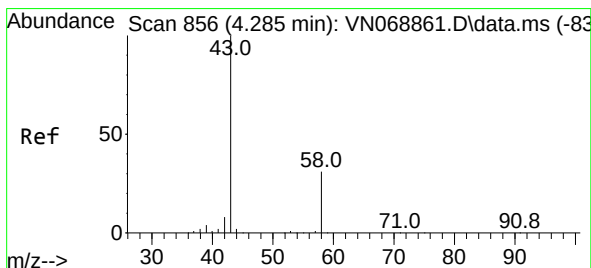
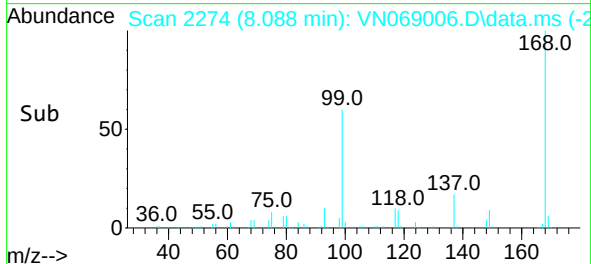
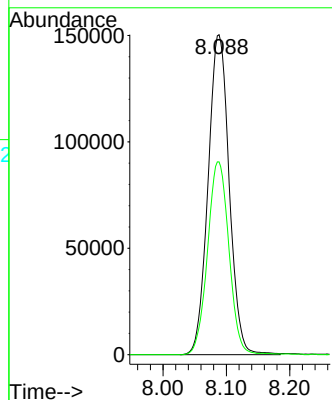
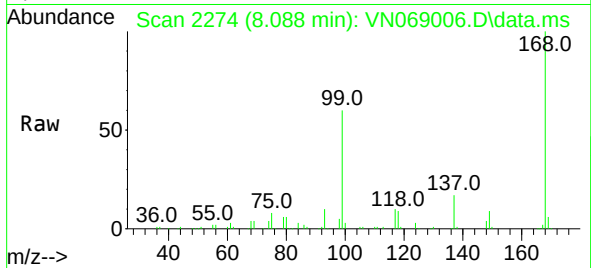




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

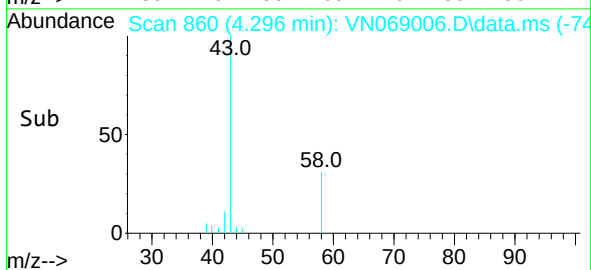
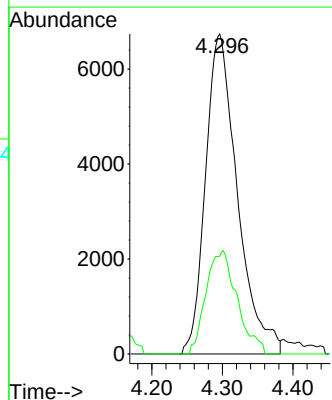
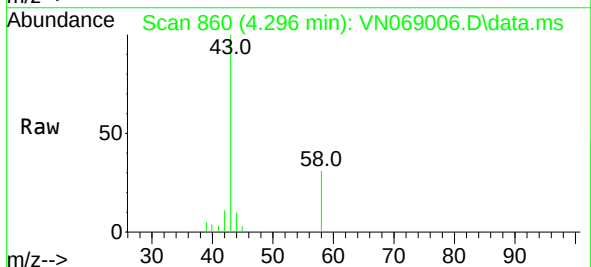
Instrument :
MSVOA_N
ClientSampled :

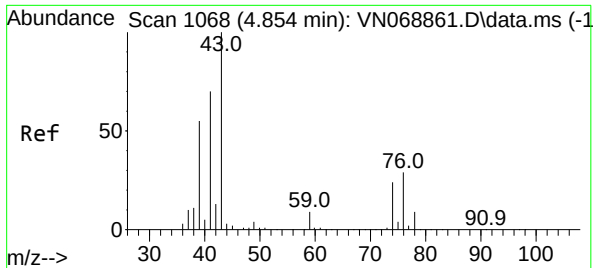
Tgt Ion:168 Resp: 348218
Ion Ratio Lower Upper
168 100
99 60.2 48.9 73.3



#16
Acetone
Concen: 12.350 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 43 Resp: 21159
Ion Ratio Lower Upper
43 100
58 30.6 24.5 36.7

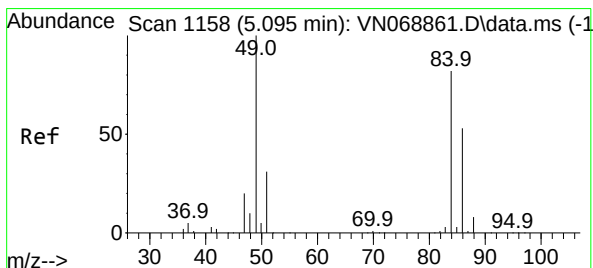
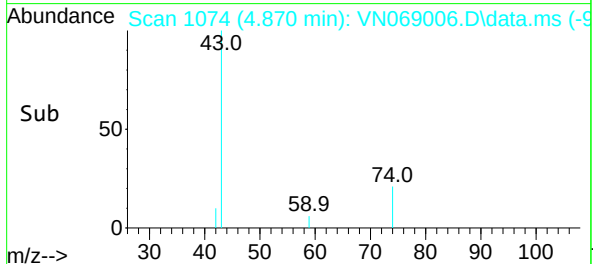
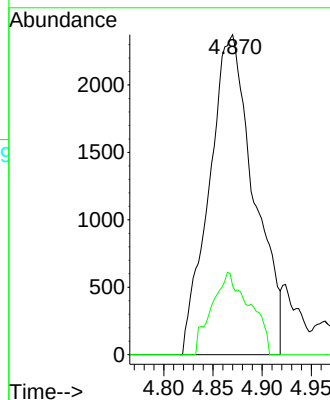
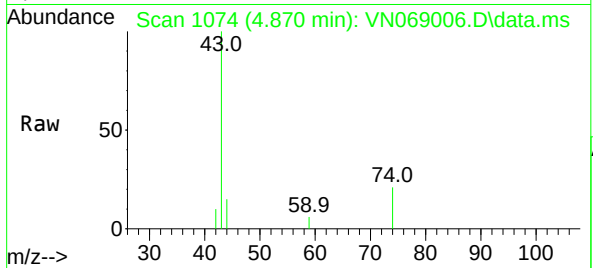




#18
Methyl Acetate
Concen: 1.157 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

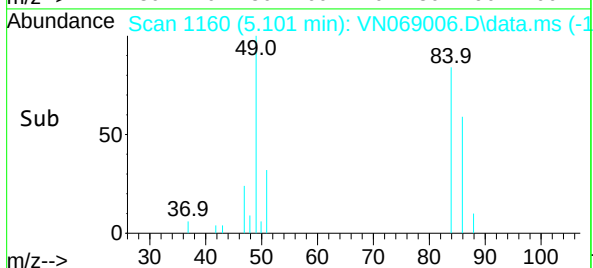
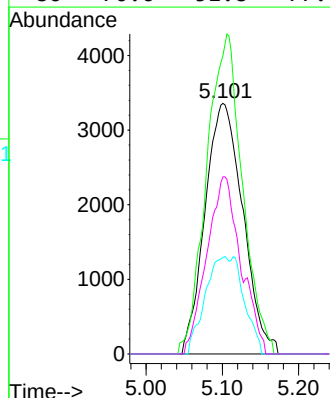
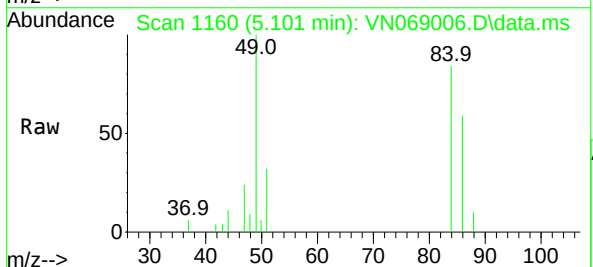
Instrument :
MSVOA_N
ClientSampled :

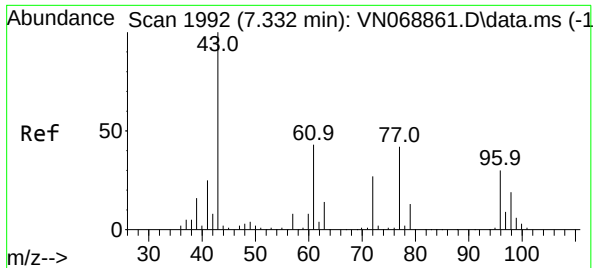
Tgt Ion: 43 Resp: 7521
Ion Ratio Lower Upper
43 100
74 21.8 18.9 28.3



#20
Methylene Chloride
Concen: 2.935 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 84 Resp: 11576
Ion Ratio Lower Upper
84 100
49 119.0 97.6 146.4
51 38.5 30.3 45.5
86 70.6 51.8 77.6

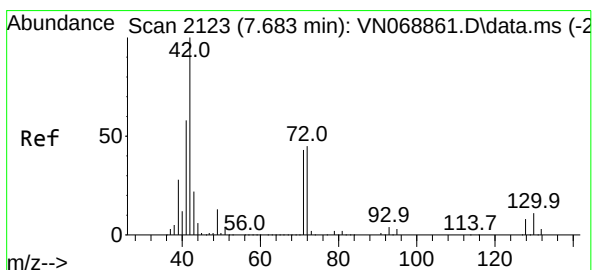
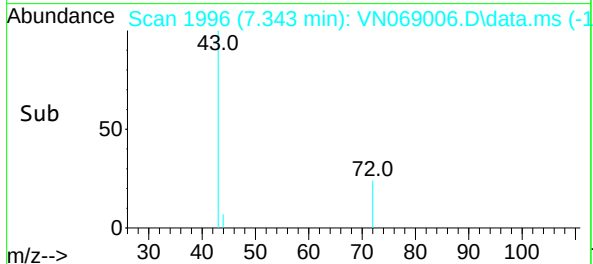
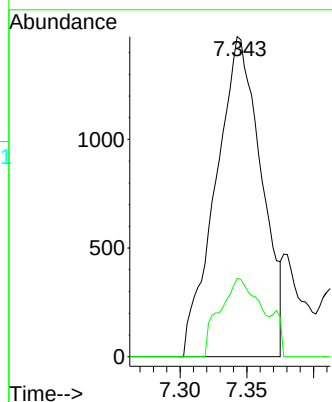
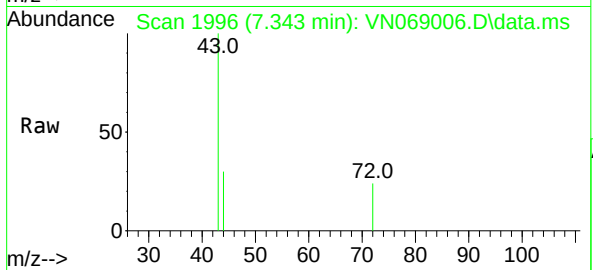




#25
2-Butanone
Concen: 1.352 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

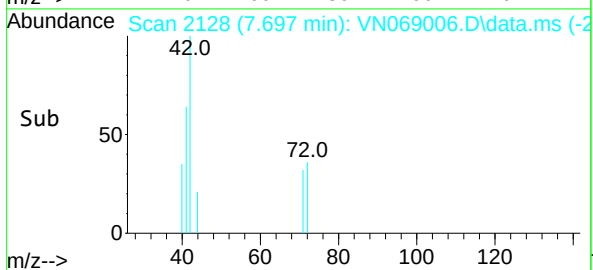
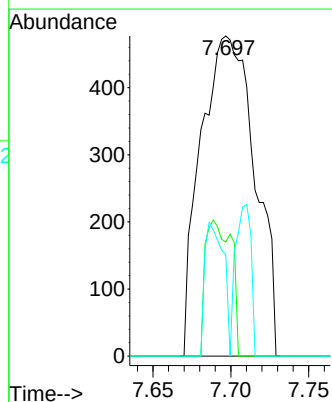
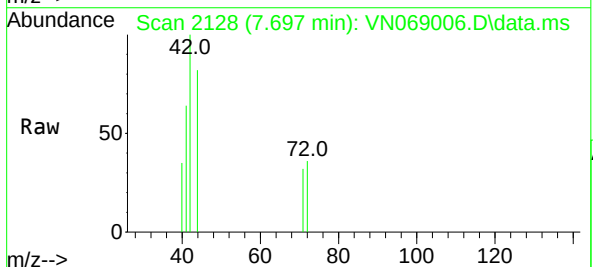
Instrument :
MSVOA_N
ClientSampled :

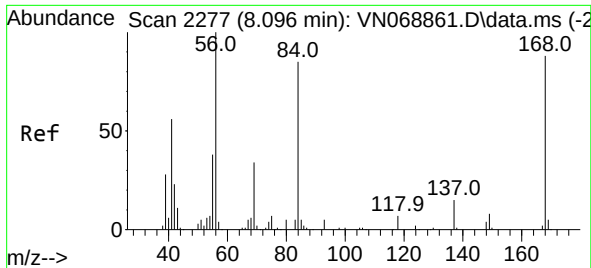
Tgt Ion: 43 Resp: 3502
Ion Ratio Lower Upper
43 100
72 24.4 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.685 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.013 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 42 Resp: 1151
Ion Ratio Lower Upper
42 100
72 20.2 35.4 53.2#
71 14.4 33.8 50.6#

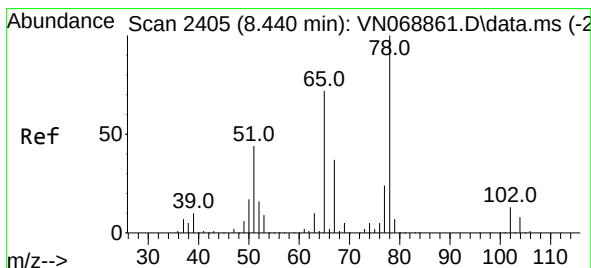
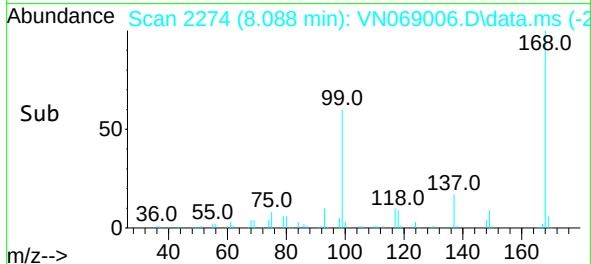
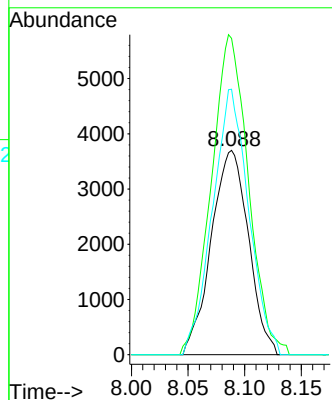
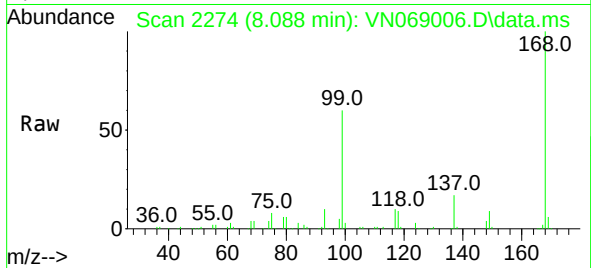




#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

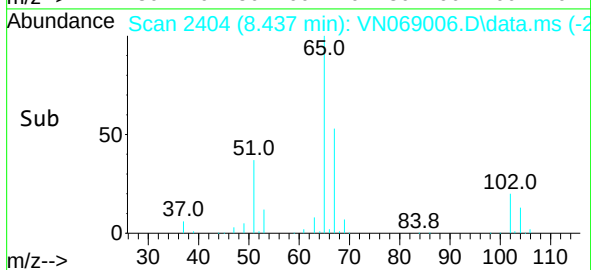
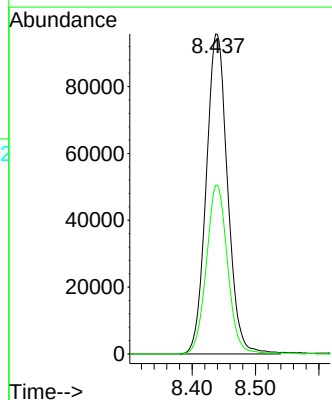
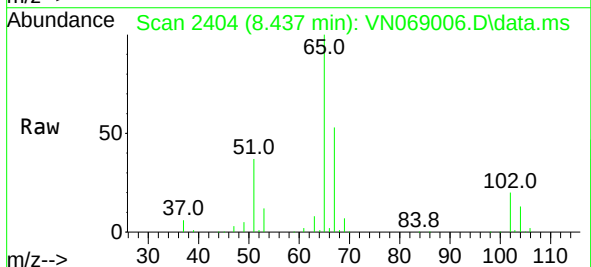
Instrument :
MSVOA_N
ClientSampled :

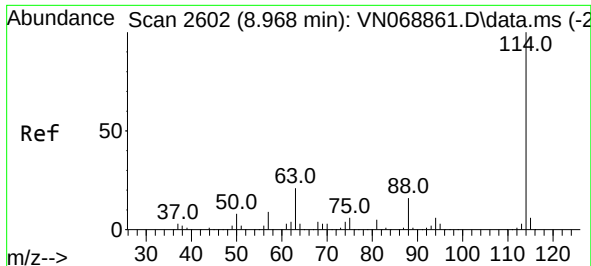
Tgt Ion: 56 Resp: 8451
Ion Ratio Lower Upper
56 100
69 154.8 26.9 40.3#
84 129.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.915 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 65 Resp: 224575
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

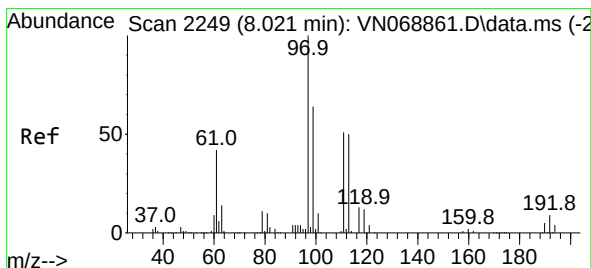
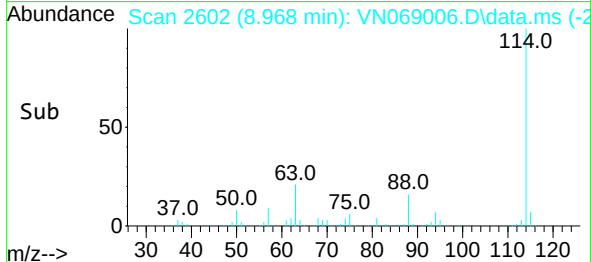
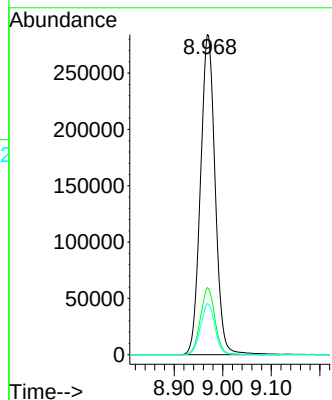
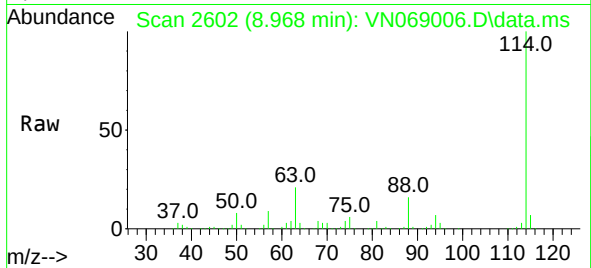




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

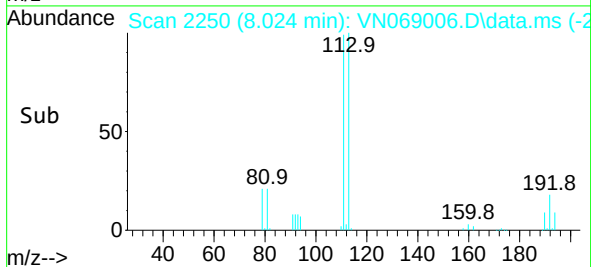
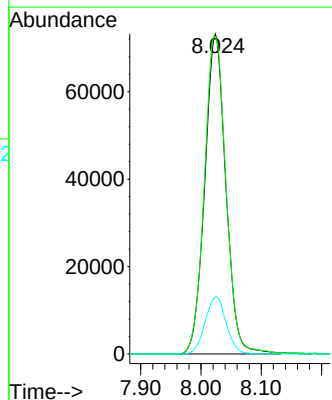
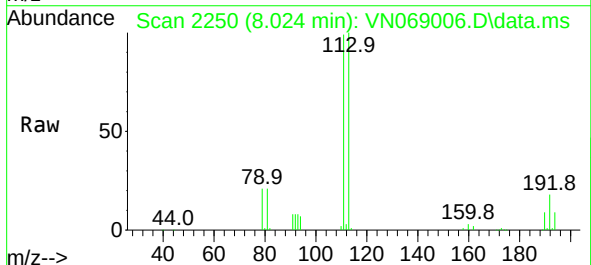
Instrument :
MSVOA_N
ClientSampled :

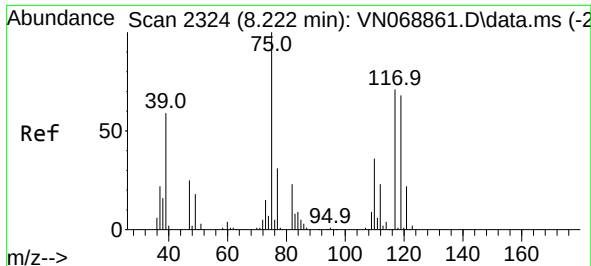
Tgt Ion:114 Resp: 596566
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.241 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion:113 Resp: 177850
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 17.9 15.0 22.4

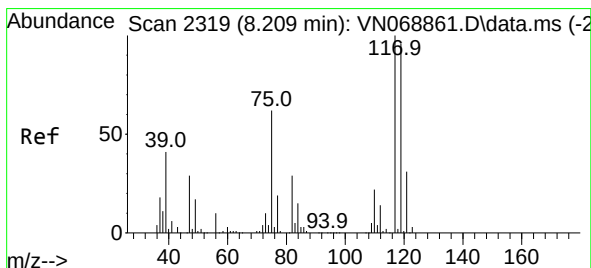
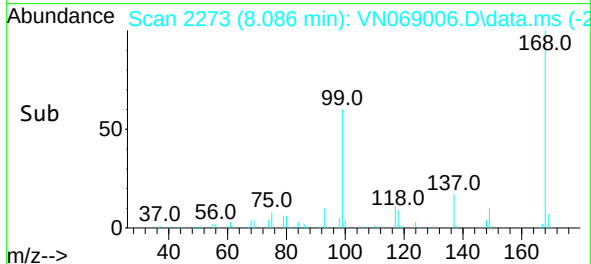
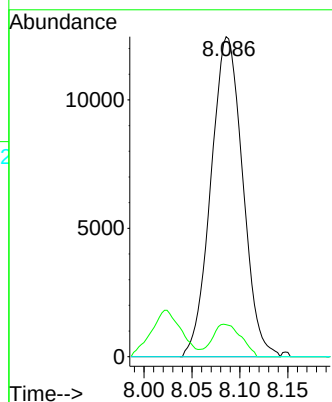
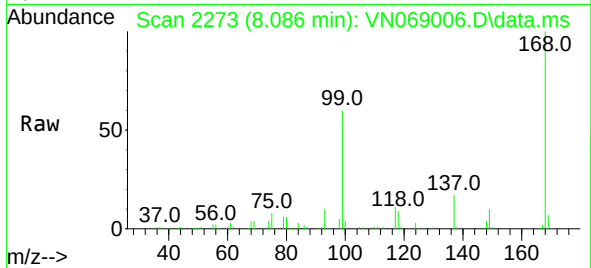




#36
 1,1-Dichloropropene
 Concen: 5.636 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN069006.D
 Acq: 19 Oct 2021 3:19

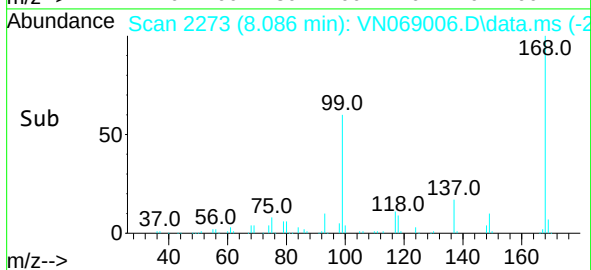
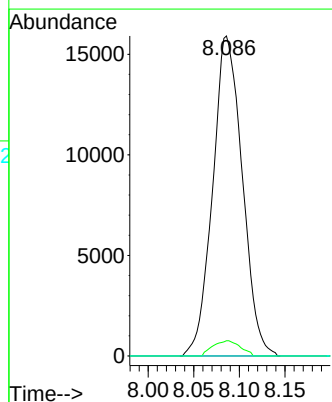
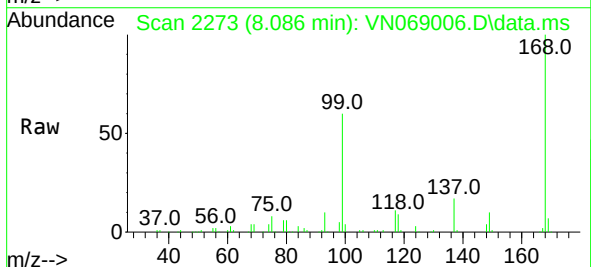
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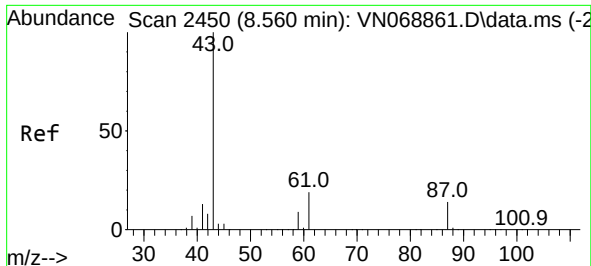
Tgt Ion: 75 Resp: 28721
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.422 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.123 min
 Lab File: VN069006.D
 Acq: 19 Oct 2021 3:19

Tgt Ion: 117 Resp: 35942
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.9 115.3#
 121 0.0 24.6 37.0#

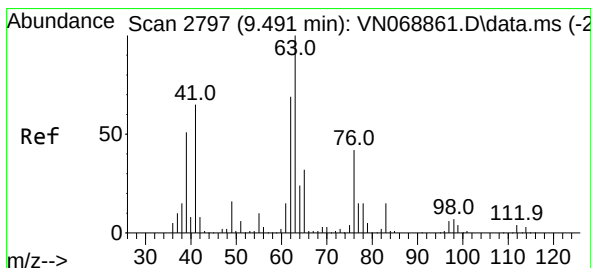
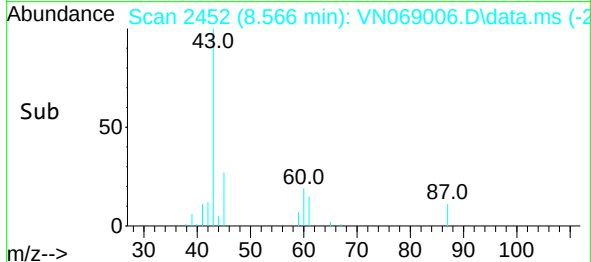
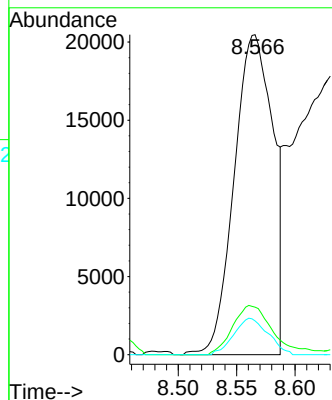
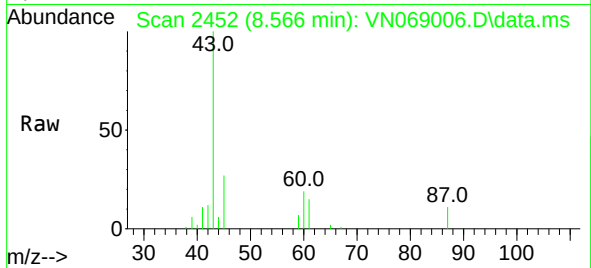




#43
Isopropyl Acetate
Concen: 5.117 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

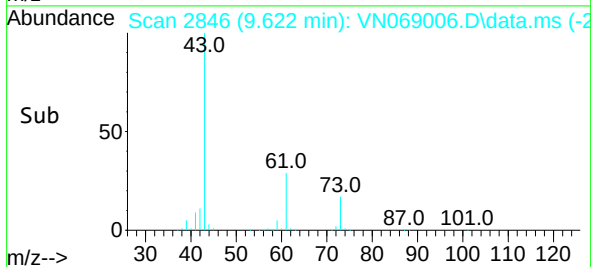
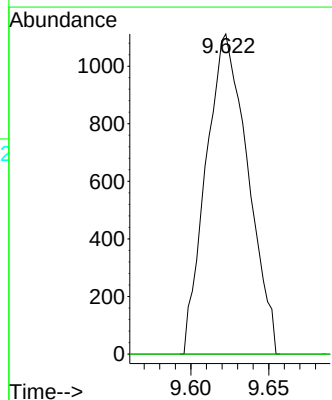
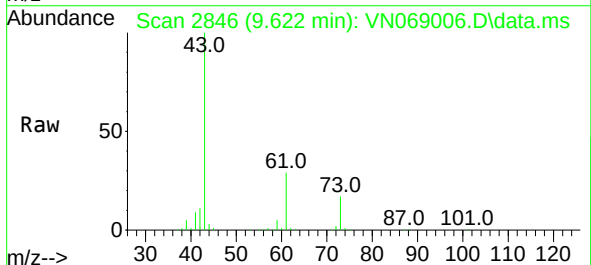
Instrument :
MSVOA_N
ClientSampled :

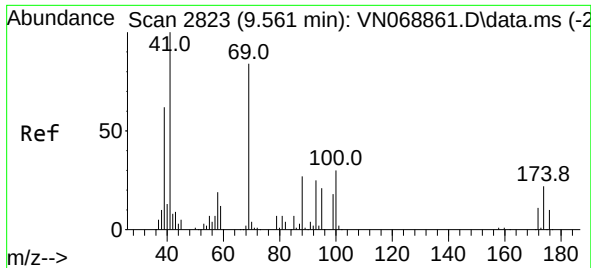
Tgt Ion: 43 Resp: 47517
Ion Ratio Lower Upper
43 100
61 16.0 20.4 30.6#
87 10.0 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.516 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.132 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 63 Resp: 2077
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

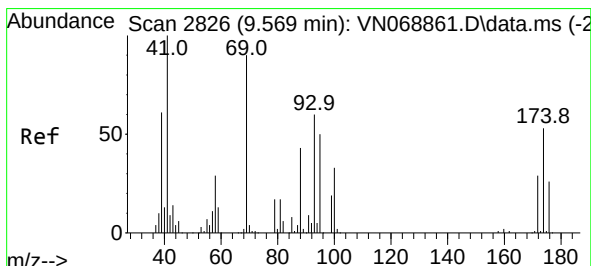
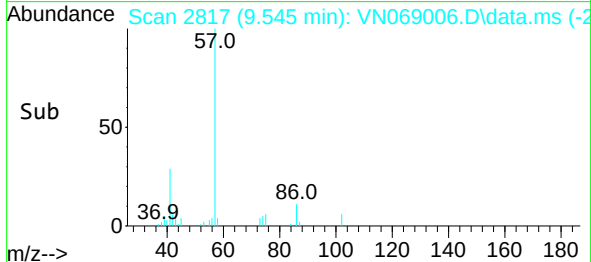
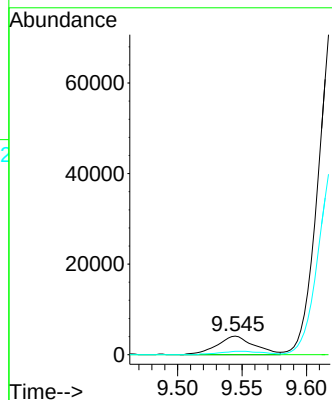
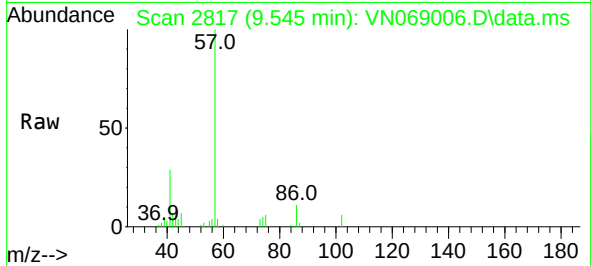




#48
Methyl methacrylate
Concen: 1.891 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

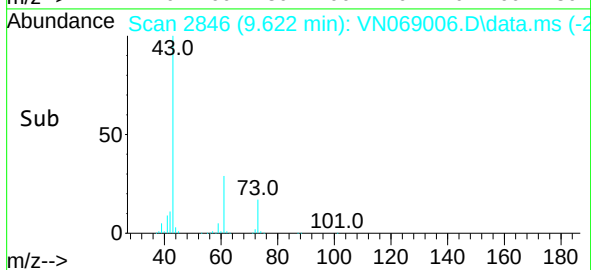
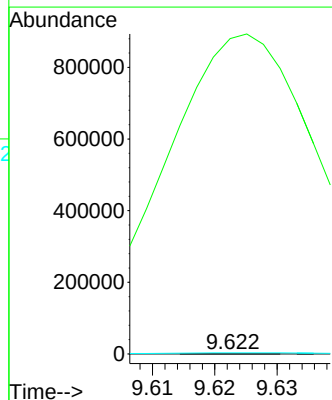
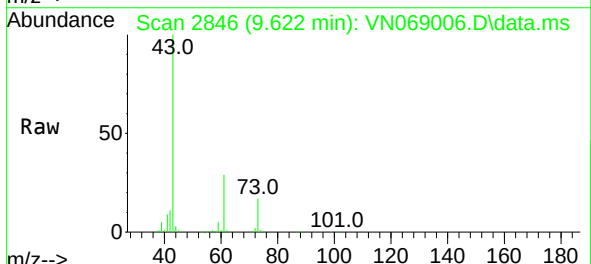
Instrument :
MSVOA_N
ClientSampled :

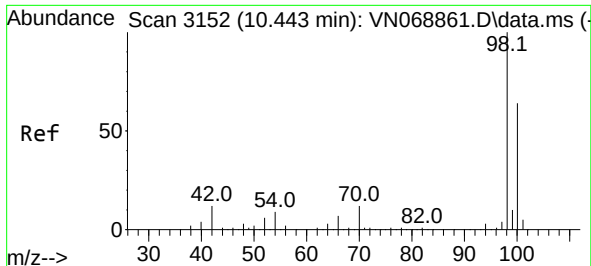
Tgt Ion: 41 Resp: 8251
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.598 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 2026818.8 24.9 37.3#
58 7468.2 56.9 85.3#

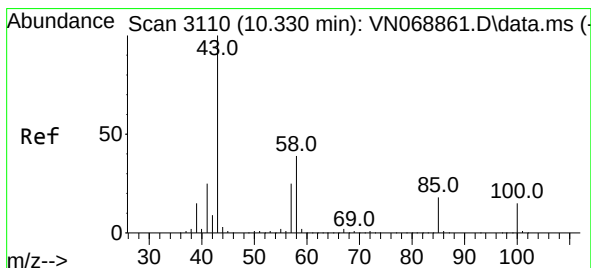
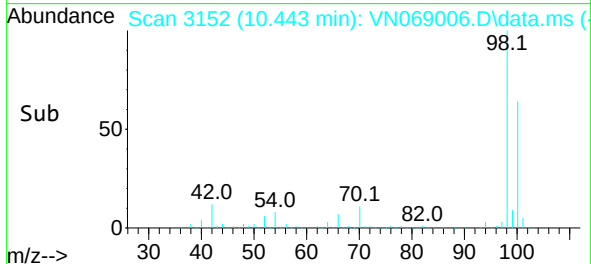
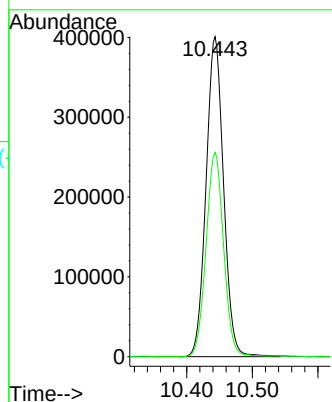
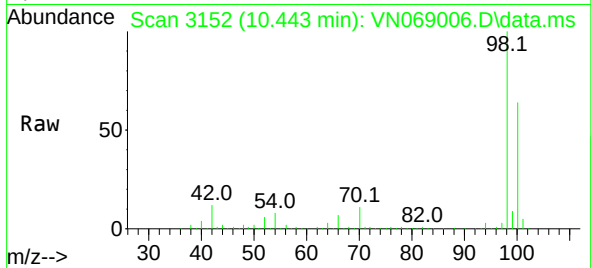




#50
Toluene-d8
Concen: 53.445 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

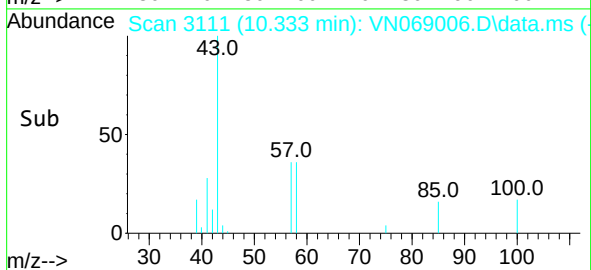
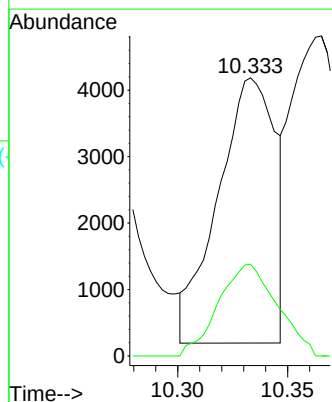
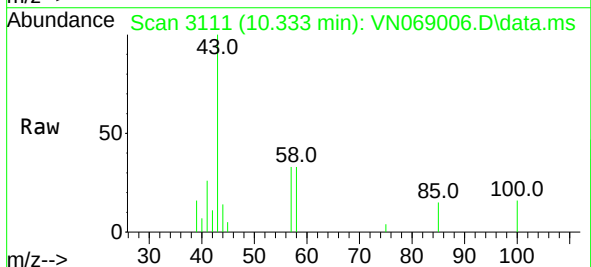
Instrument :
MSVOA_N
ClientSampled :

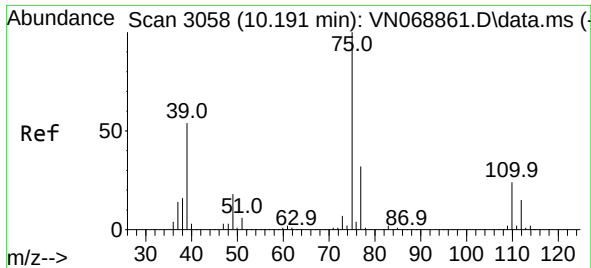
Tgt Ion: 98 Resp: 742225
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.346 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 43 Resp: 7249
Ion Ratio Lower Upper
43 100
58 35.4 31.0 46.4

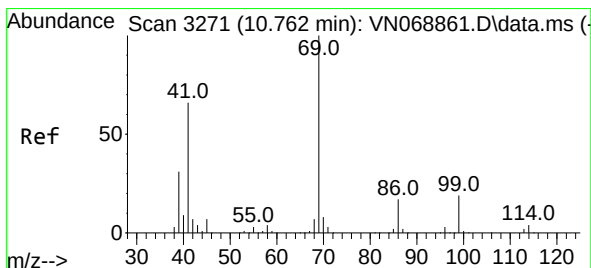
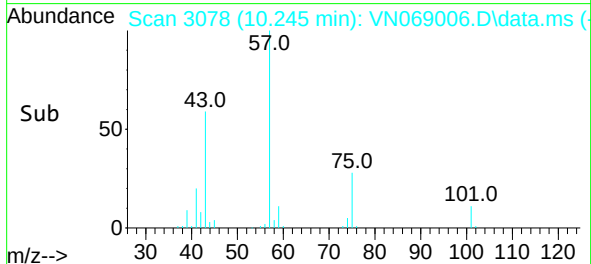
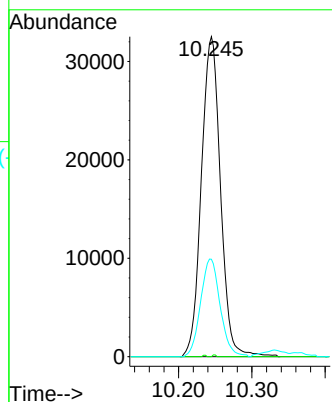
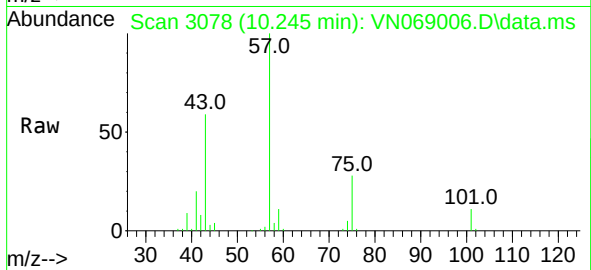




#54
cis-1,3-Dichloropropene
Concen: 8.787 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

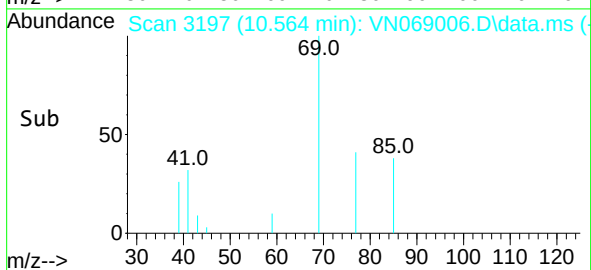
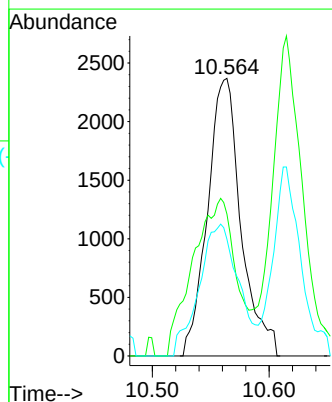
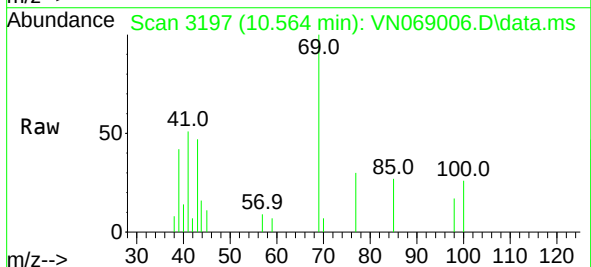
Instrument :
MSVOA_N
ClientSampled :

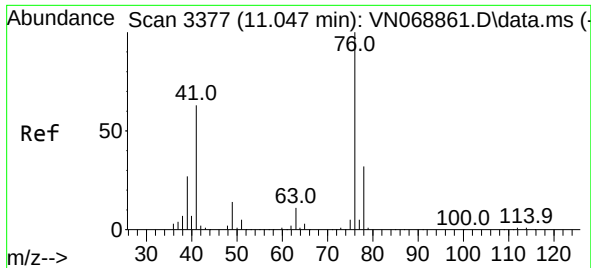
Tgt Ion: 75 Resp: 58984
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 30.4 42.9 64.3#



#56
Ethyl methacrylate
Concen: 0.713 ug/l
RT: 10.564 min Scan# 3197
Delta R.T. -0.198 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 69 Resp: 4710
Ion Ratio Lower Upper
69 100
41 73.3 53.3 79.9
39 56.4 33.3 49.9#

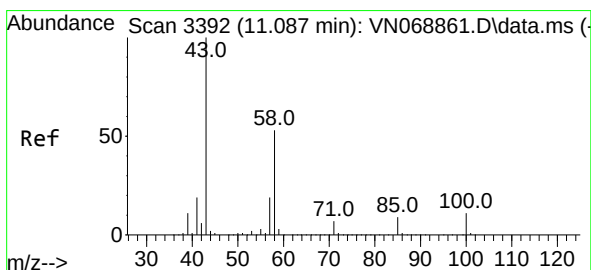
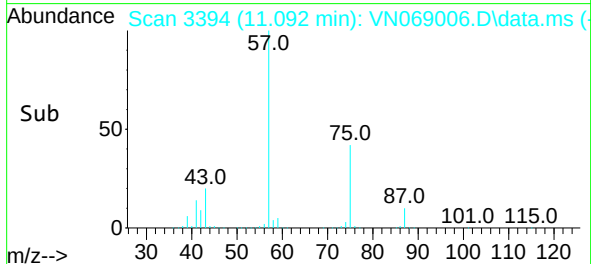
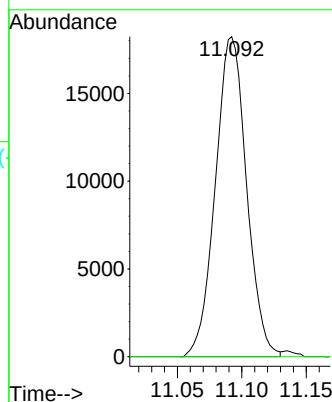
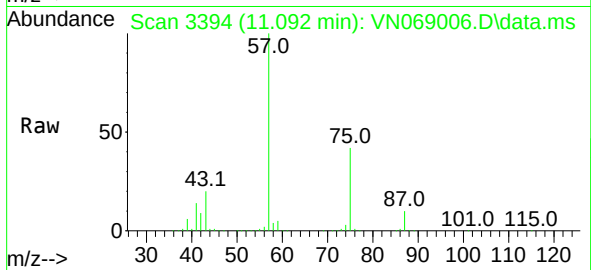




#57
1,3-Dichloropropane
Concen: 4.729 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

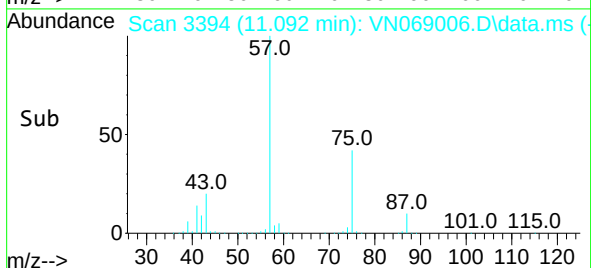
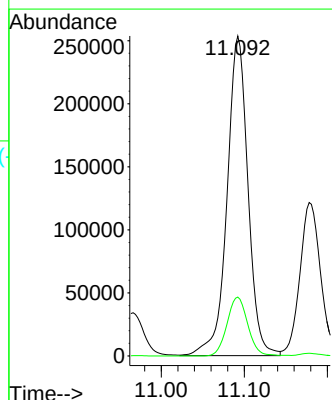
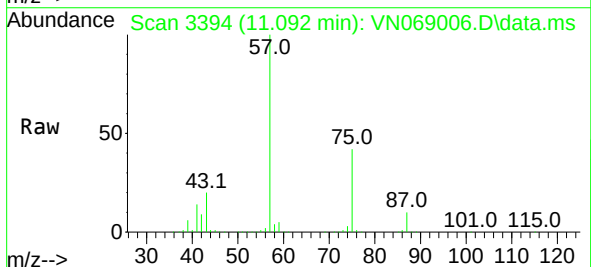
Instrument :
MSVOA_N
ClientSampled :

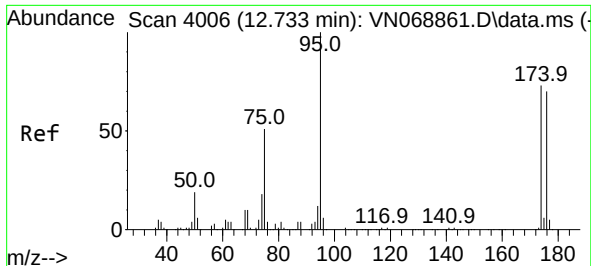
Tgt Ion: 76 Resp: 30690
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 115.052 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 43 Resp: 444230
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

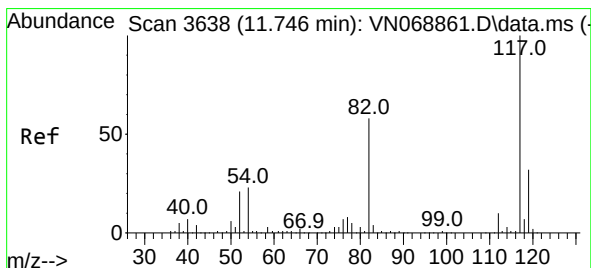
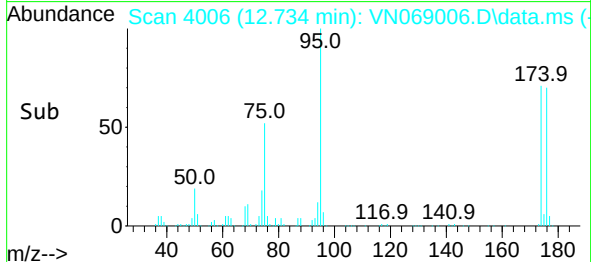
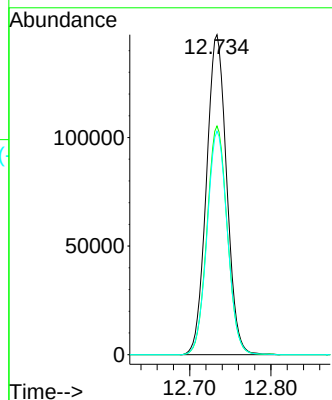
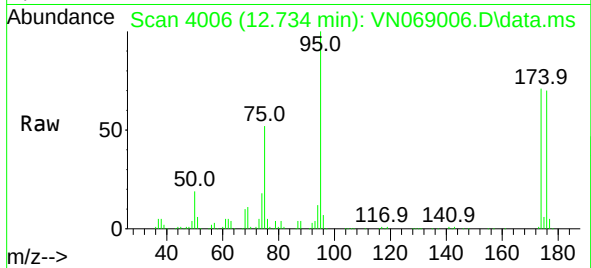




#62
4-Bromofluorobenzene
Concen: 48.584 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

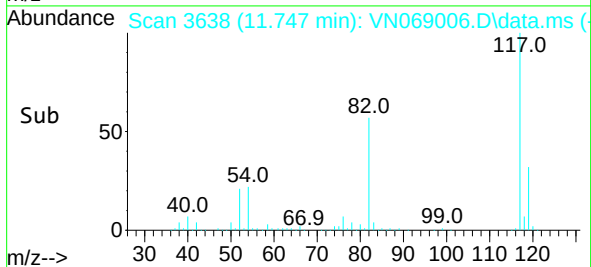
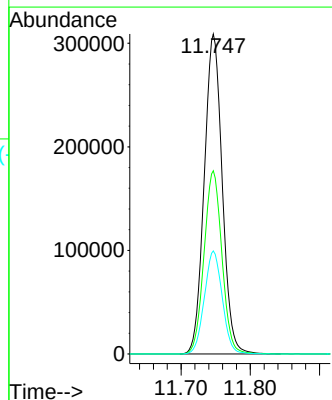
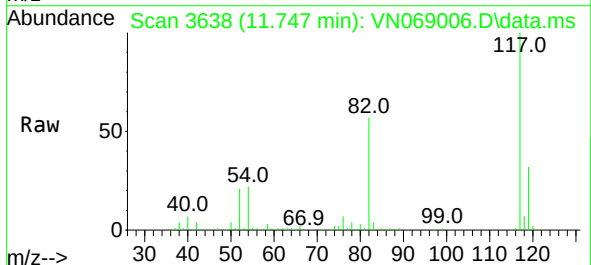
Instrument :
MSVOA_N
ClientSampled :

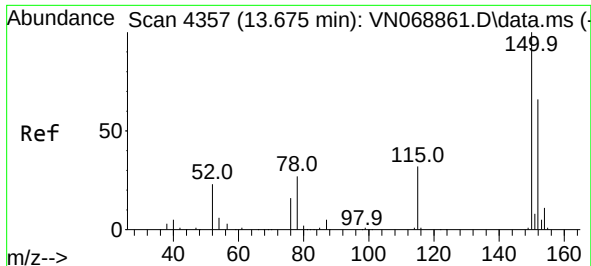
Tgt Ion: 95 Resp: 254563
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.8
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion: 117 Resp: 557431
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 32.2 26.0 39.0

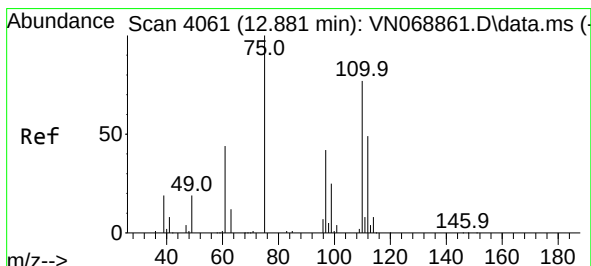
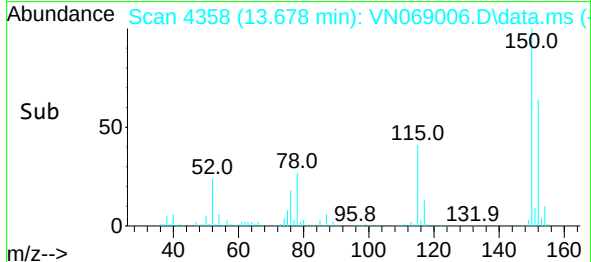
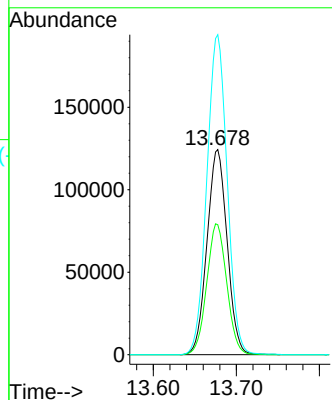
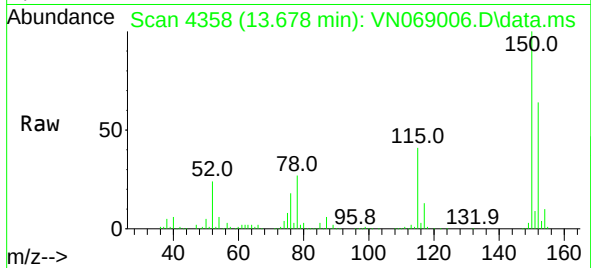




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069006.D
 Acq: 19 Oct 2021 3:19

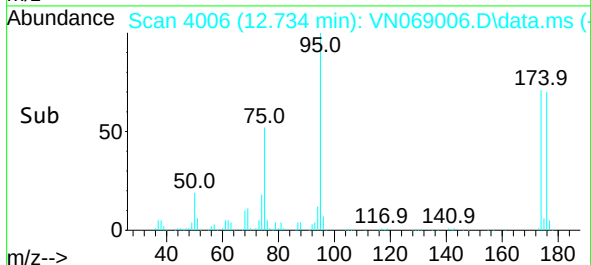
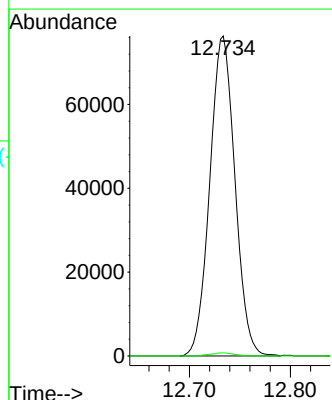
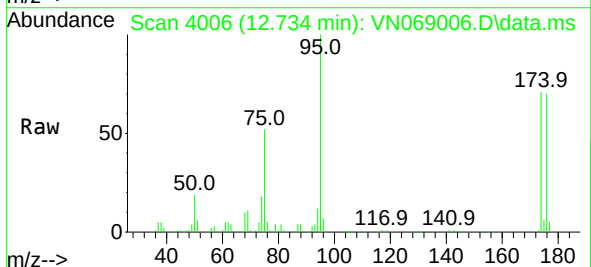
Instrument :
 MSVOA_N
 ClientSampled :

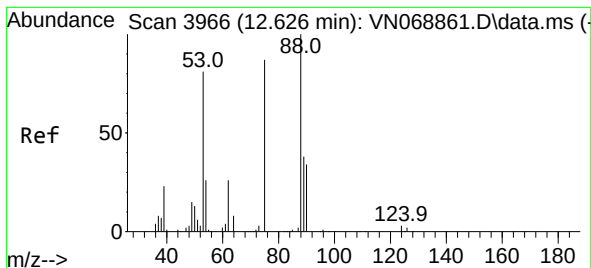
Tgt Ion:152 Resp: 209464
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.4 94.3
 150 157.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.625 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069006.D
 Acq: 19 Oct 2021 3:19

Tgt Ion: 75 Resp: 132033
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

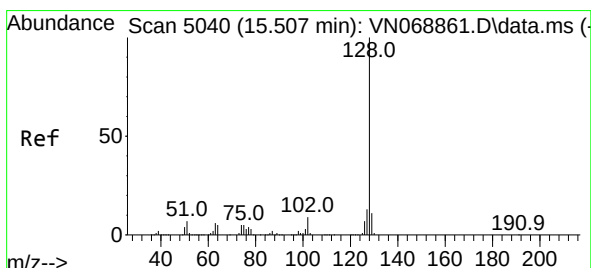
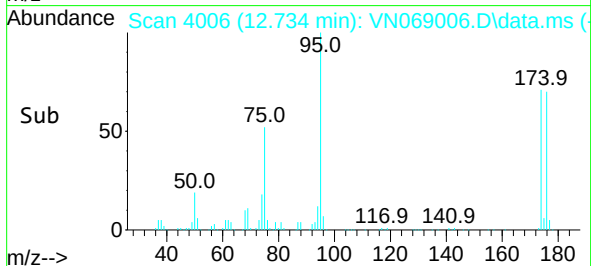
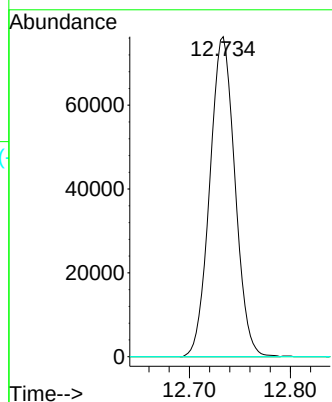
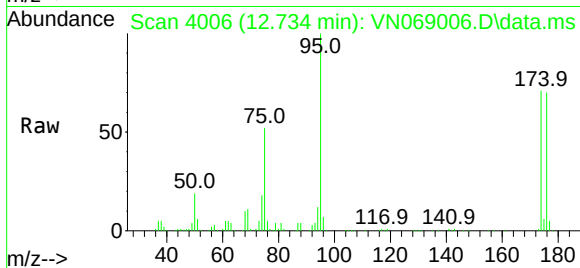




#81
trans-1,4-Dichloro-2-butene
Concen: 70.876 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 132033
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069006.D
Acq: 19 Oct 2021 3:19

Tgt Ion:128 Resp: 367
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

