

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068930.D
 Acq On : 14 Oct 2021 17:31
 Operator : JC/MD
 Sample : M4192-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:48:05 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)

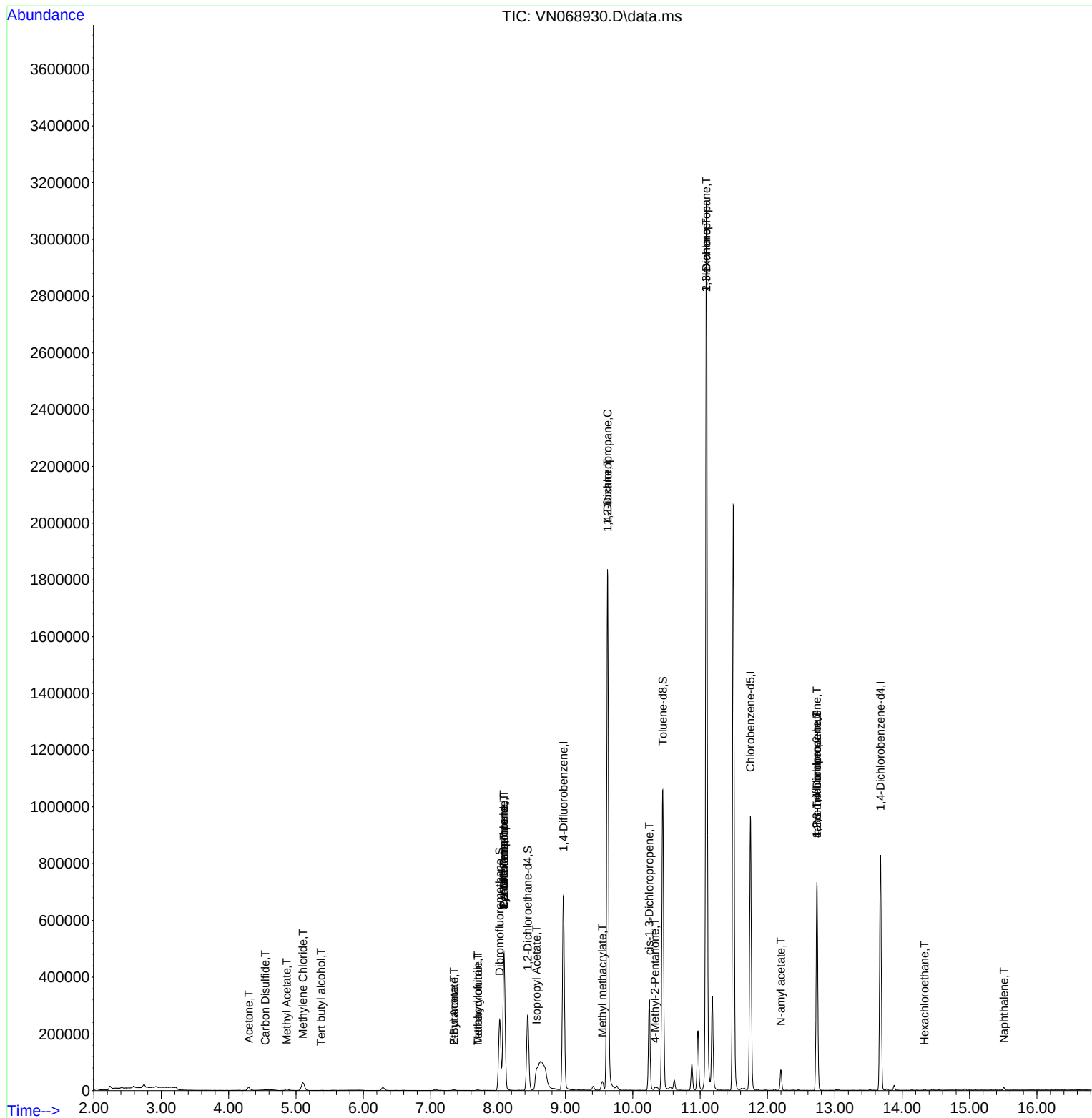
Internal Standards						
1) Pentafluorobenzene	8.088	168	378602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	617345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	570594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	228753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	224471	44.969	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.940%		
35) Dibromofluoromethane	8.024	113	185439	51.629	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.260%		
50) Toluene-d8	10.446	98	755212	52.550	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.100%		
62) 4-Bromofluorobenzene	12.733	95	259672	47.891	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.780%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.371	59	240	0.263	ug/l #	72
16) Acetone	4.299	43	20564	11.039	ug/l	90
17) Carbon Disulfide	4.543	76	2105	0.212	ug/l #	75
18) Methyl Acetate	4.864	43	11877	1.681	ug/l	92
20) Methylene Chloride	5.103	84	23615	5.508	ug/l	95
25) 2-Butanone	7.348	43	5168	1.835	ug/l	97
29) Tetrahydrofuran	7.699	42	1643	0.899	ug/l #	77
31) Cyclohexane	8.086	56	8105	1.044	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28694	5.442	ug/l #	50
37) Ethyl Acetate	7.348	43	5168	0.949	ug/l #	68
38) Carbon Tetrachloride	8.088	117	37802	6.527	ug/l #	16
41) Methacrylonitrile	7.699	41	919	0.335	ug/l #	41
43) Isopropyl Acetate	8.571	43	73575	7.657	ug/l #	76
45) 1,2-Dichloropropane	9.625	63	2149	0.516	ug/l #	43
48) Methyl methacrylate	9.547	41	8294	1.837	ug/l #	13
49) 1,4-Dioxane	9.628	88	181	37.617	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	7207	1.294	ug/l	100
54) cis-1,3-Dichloropropene	10.245	75	60682	8.736	ug/l #	57
57) 1,3-Dichloropropane	11.092	76	34234	5.097	ug/l #	42
59) 2-Hexanone	11.092	43	483881	121.103	ug/l #	51
74) N-amyl acetate	12.197	43	22842	3.167	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	132348	27.192	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	132348	65.055	ug/l #	12
90) Hexachloroethane	14.329	117	2561	0.795	ug/l #	12
95) Naphthalene	15.512	128	8403	4.543	ug/l #	95

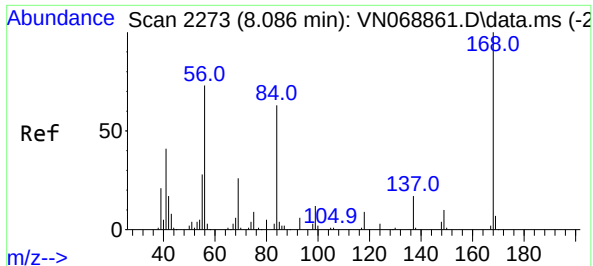
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
Data File : VN068930.D
Acq On : 14 Oct 2021 17:31
Operator : JC/MD
Sample : M4192-18
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 14 22:48:05 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

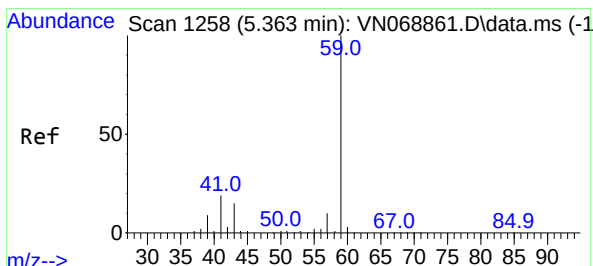
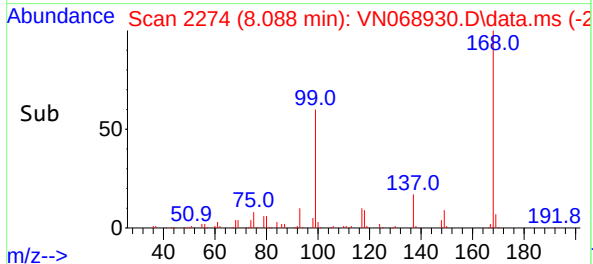
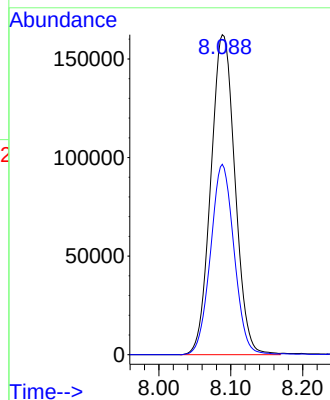
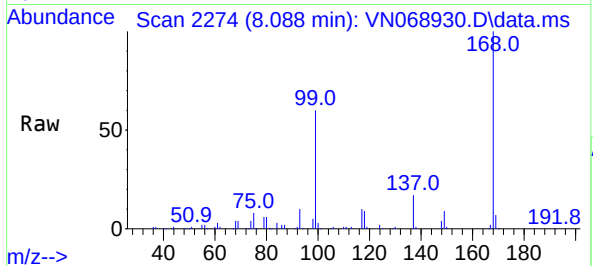




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

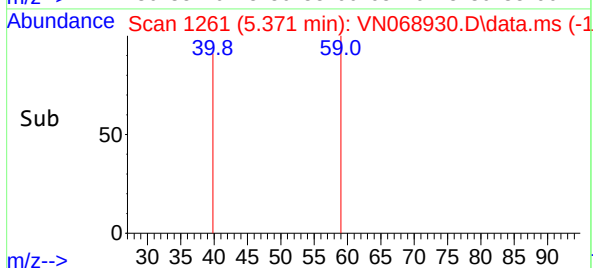
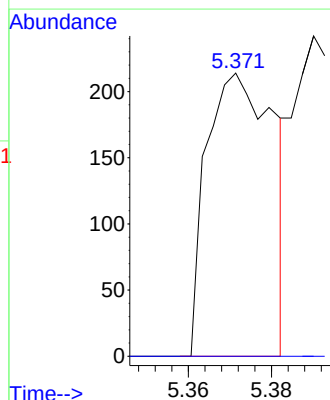
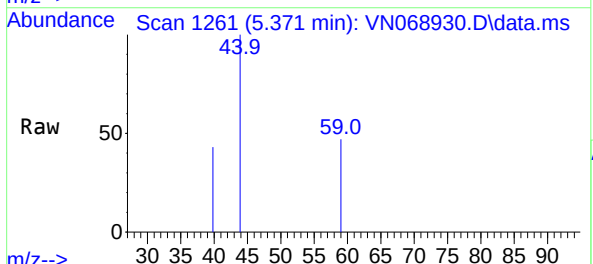
Instrument :
MSVOA_N
ClientSampled :

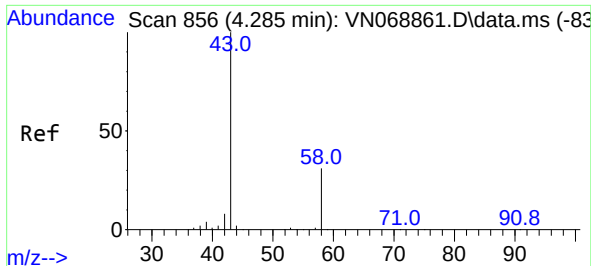
Tgt Ion:168 Resp: 378602
Ion Ratio Lower Upper
168 100
99 59.5 48.9 73.3



#11
Tert butyl alcohol
Concen: 0.263 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. 0.008 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

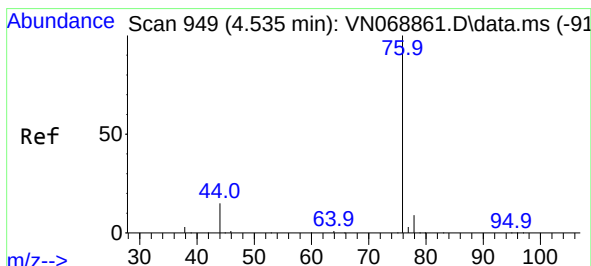
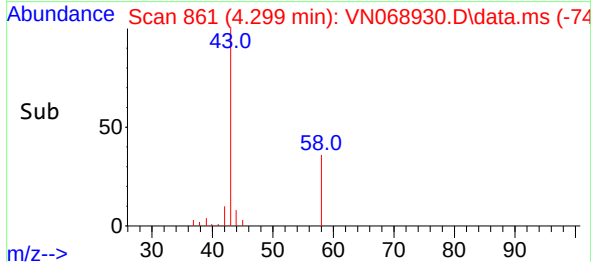
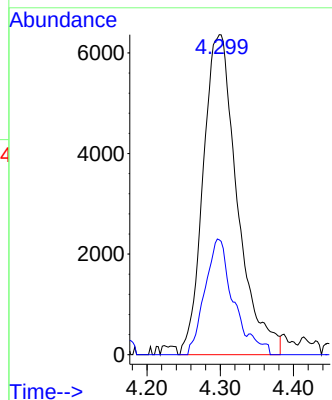
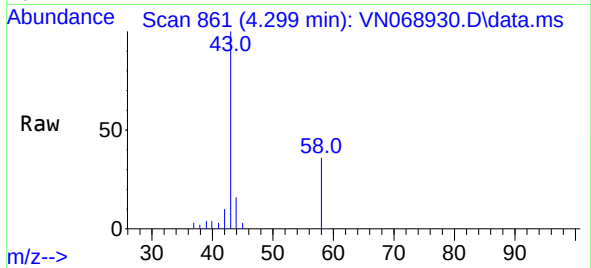




#16
Acetone
Concen: 11.039 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

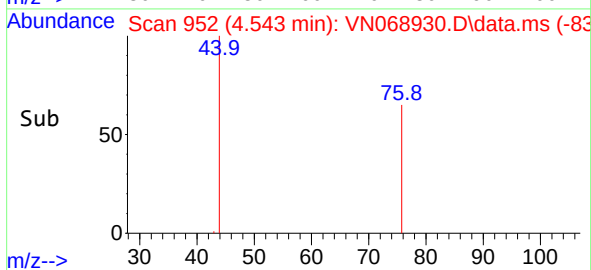
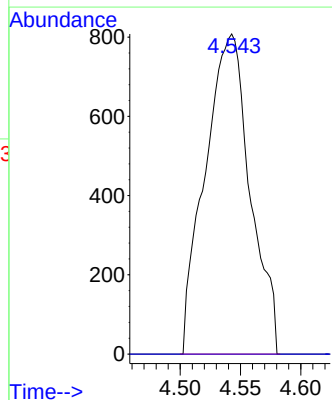
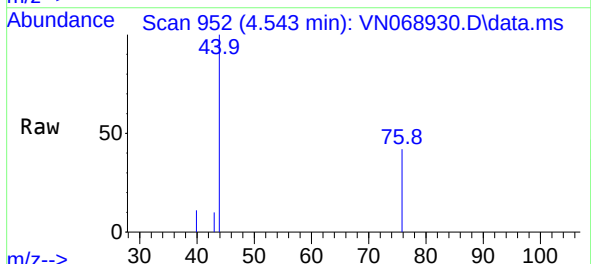
Instrument :
MSVOA_N
ClientSampled :

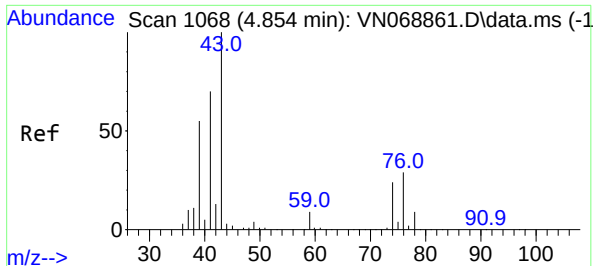
Tgt Ion: 43 Resp: 20564
Ion Ratio Lower Upper
43 100
58 35.9 24.5 36.7



#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.008 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 76 Resp: 2105
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

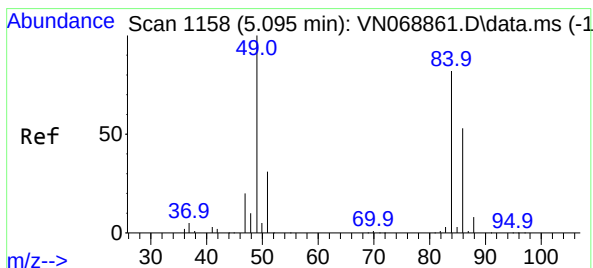
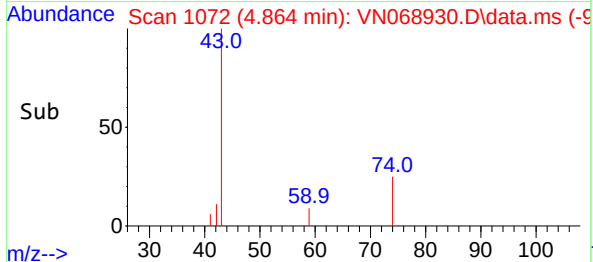
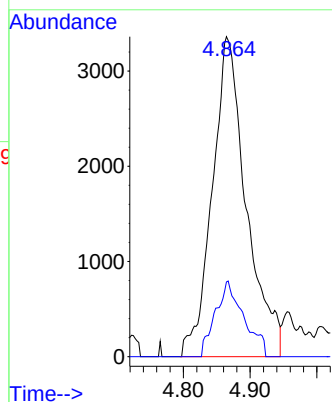
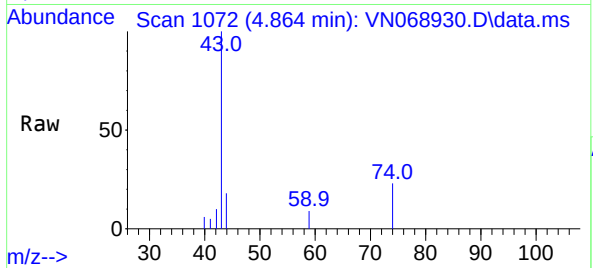




#18
Methyl Acetate
Concen: 1.681 ug/l
RT: 4.864 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

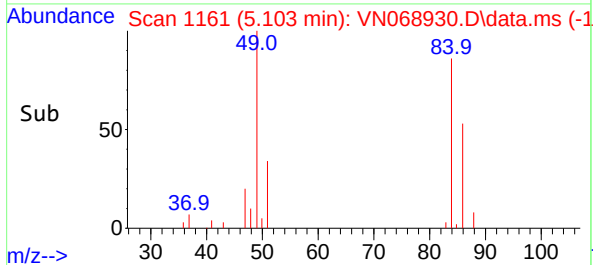
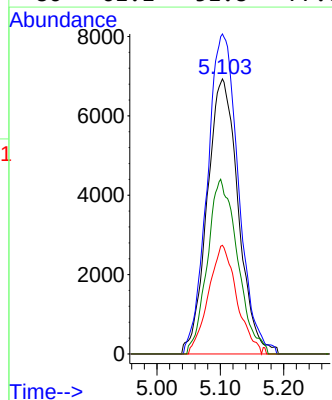
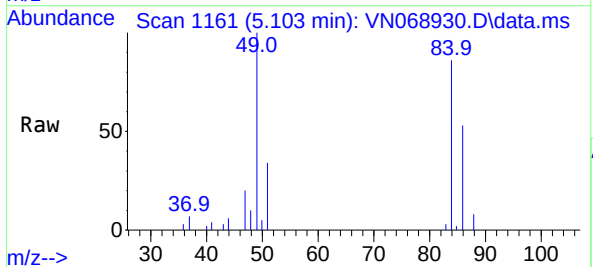
Instrument :
MSVOA_N
ClientSampled :

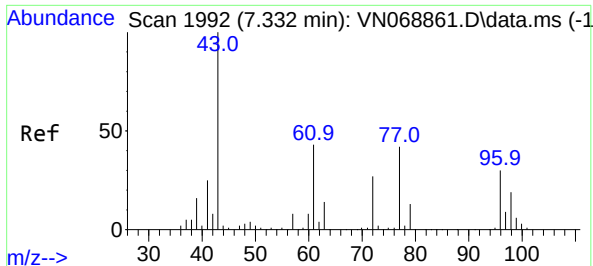
Tgt Ion: 43 Resp: 11877
Ion Ratio Lower Upper
43 100
74 19.8 18.9 28.3



#20
Methylene Chloride
Concen: 5.508 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 84 Resp: 23615
Ion Ratio Lower Upper
84 100
49 116.3 97.6 146.4
51 39.5 30.3 45.5
86 61.1 51.8 77.6

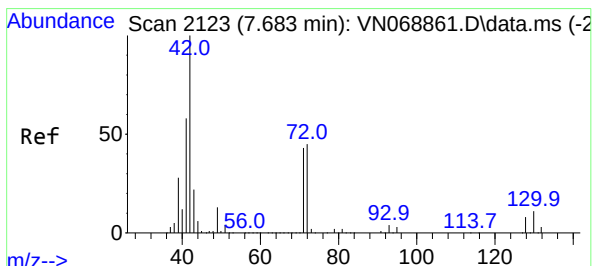
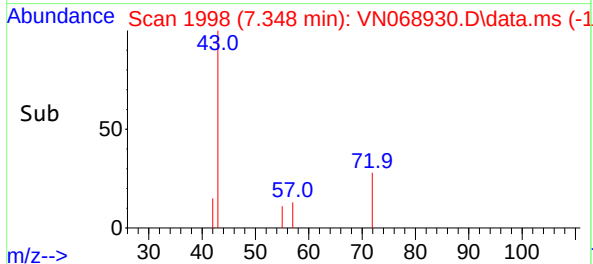
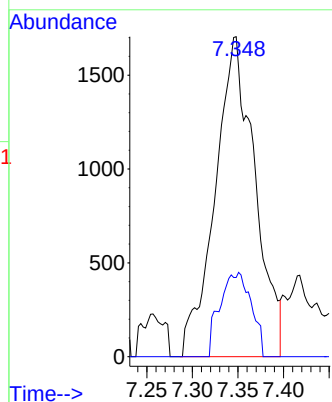
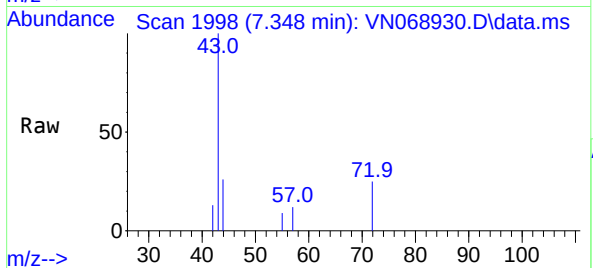




#25
2-Butanone
Concen: 1.835 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

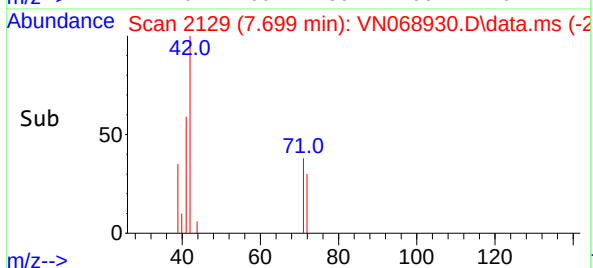
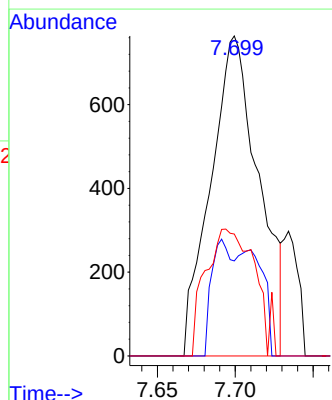
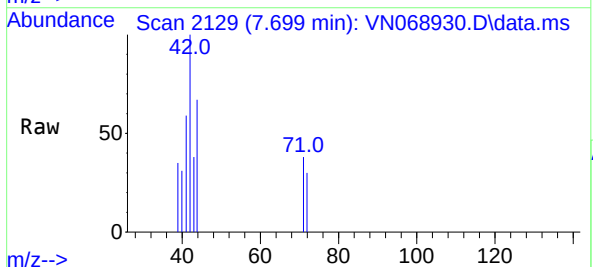
Instrument :
MSVOA_N
ClientSampled :

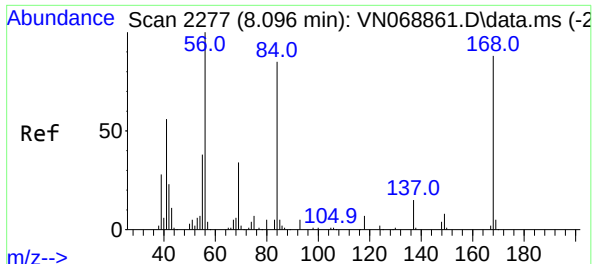
Tgt Ion: 43 Resp: 5168
Ion Ratio Lower Upper
43 100
72 24.8 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.899 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 42 Resp: 1643
Ion Ratio Lower Upper
42 100
72 16.1 35.4 53.2#
71 40.7 33.8 50.6

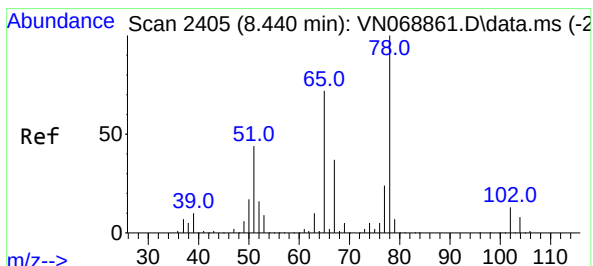
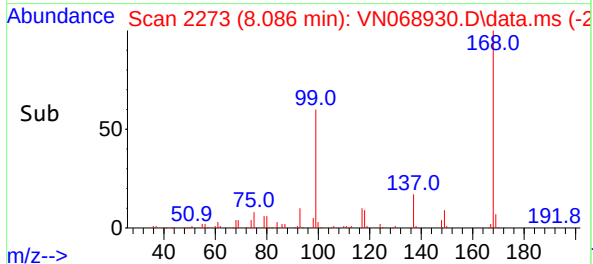
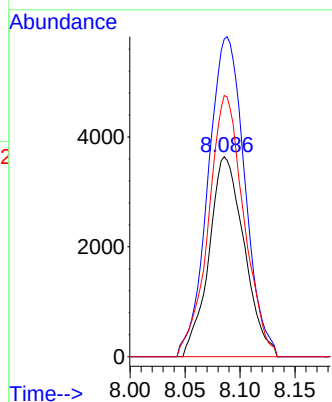
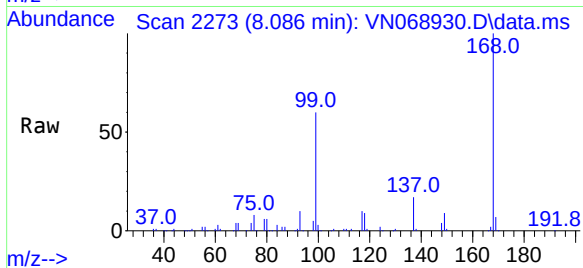




#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

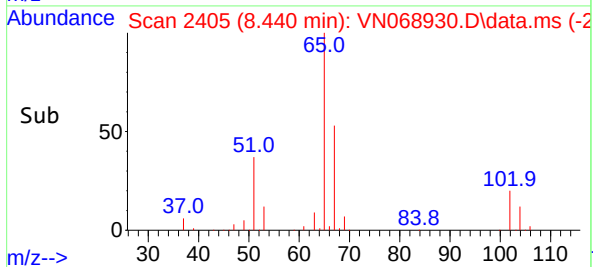
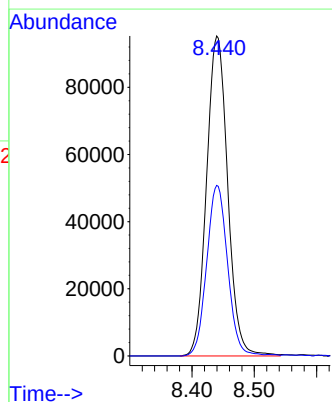
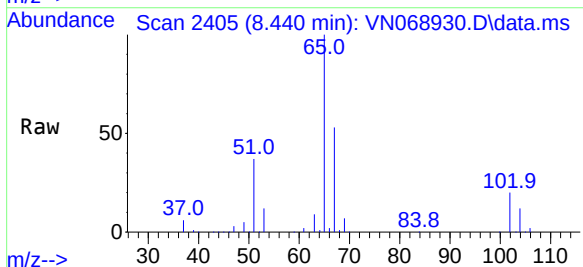
Instrument :
MSVOA_N
ClientSampled :

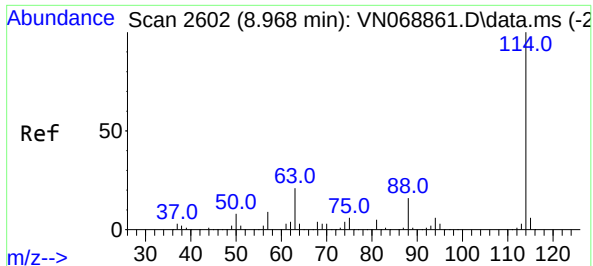
Tgt Ion: 56 Resp: 8105
Ion Ratio Lower Upper
56 100
69 158.8 26.9 40.3#
84 130.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 44.969 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 65 Resp: 224471
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.8



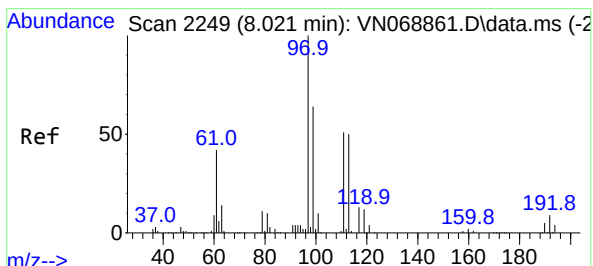
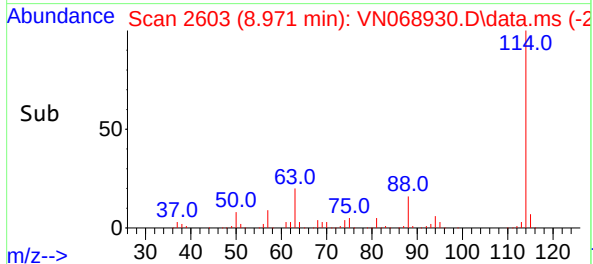
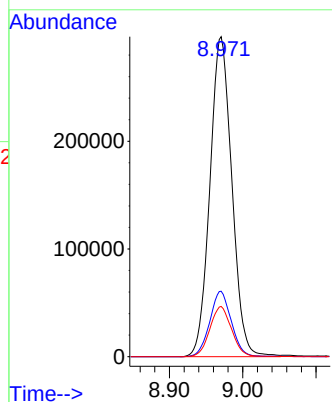
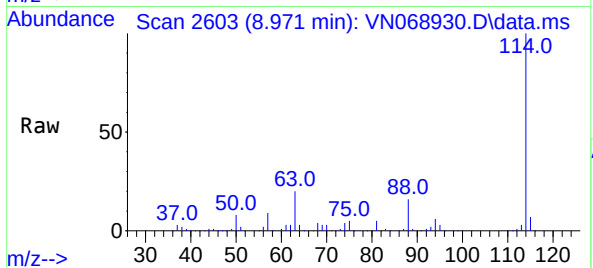


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Instrument :
MSVOA_N
ClientSampled :

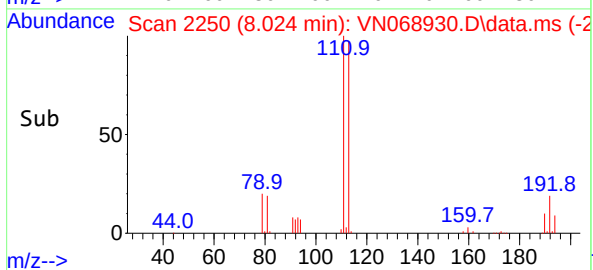
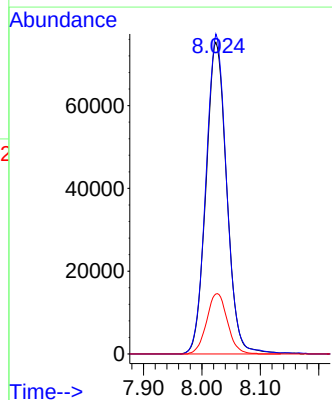
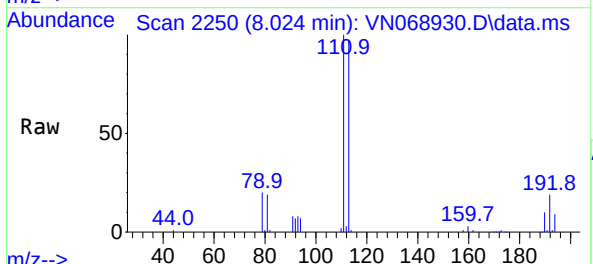
Tgt Ion:114 Resp: 617345
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 15.7 0.0 32.0

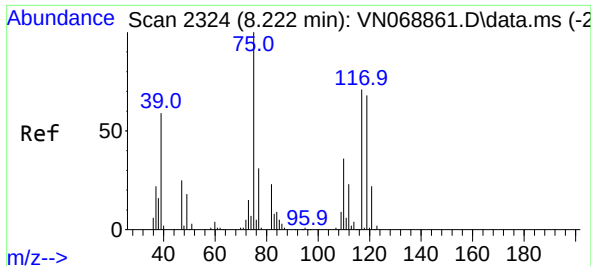


#35

Dibromofluoromethane
Concen: 51.629 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion:113 Resp: 185439
Ion Ratio Lower Upper
113 100
111 102.1 83.2 124.8
192 19.4 15.0 22.4



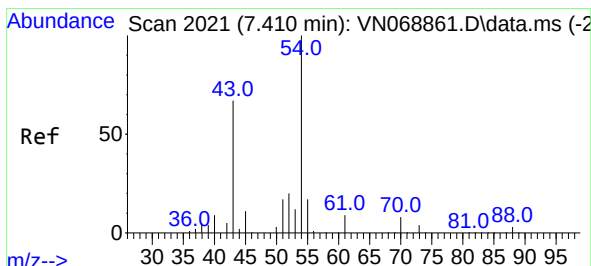
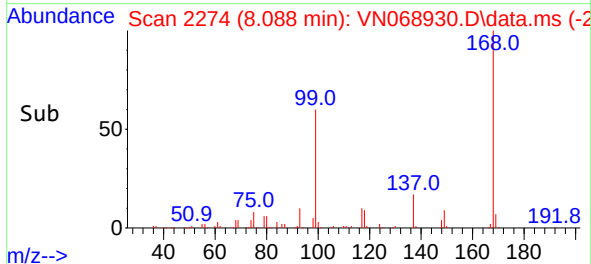
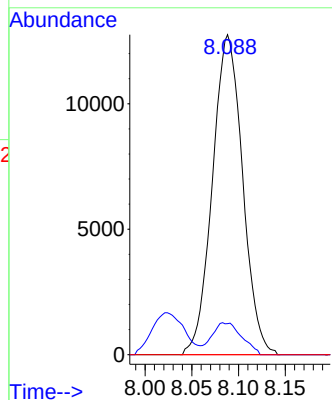
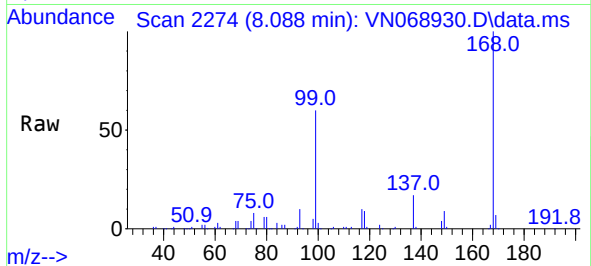


#36
1,1-Dichloropropene
Concen: 5.442 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 28694

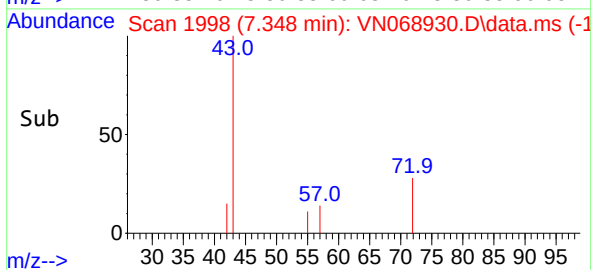
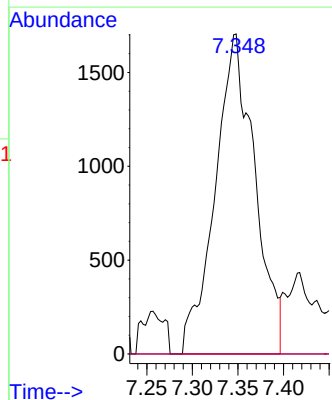
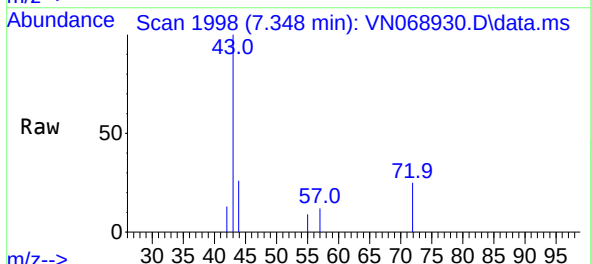
Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.8#
77	0.0	24.7	37.1#

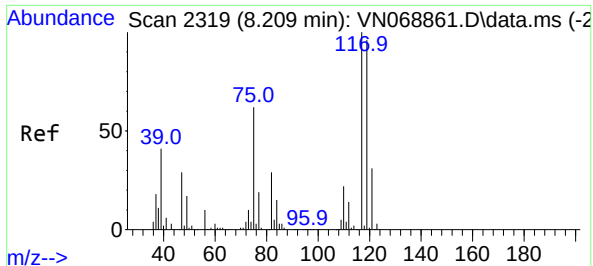


#37
Ethyl Acetate
Concen: 0.949 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.062 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 43 Resp: 5168

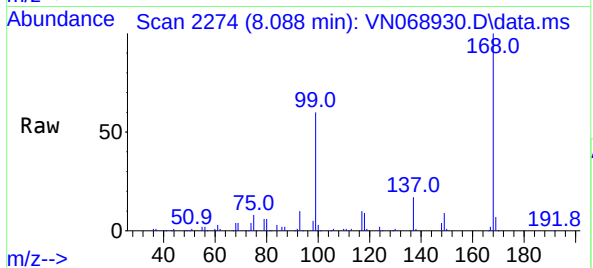
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



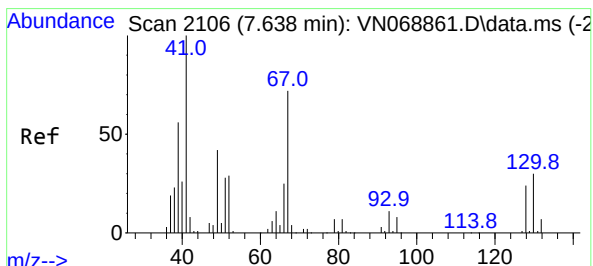
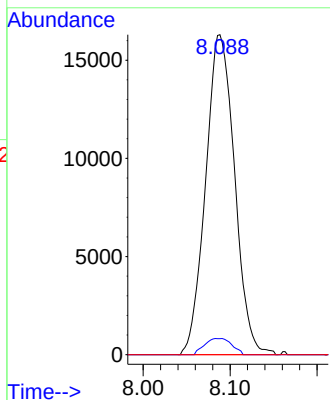
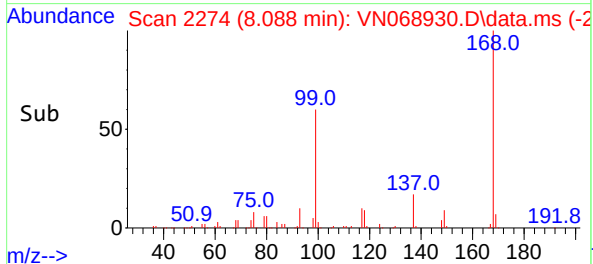


#38
Carbon Tetrachloride
Concen: 6.527 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

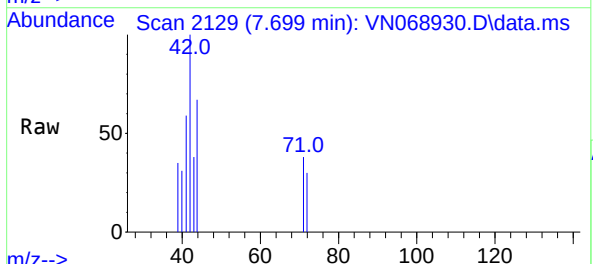
Instrument :
MSVOA_N
ClientSampled :



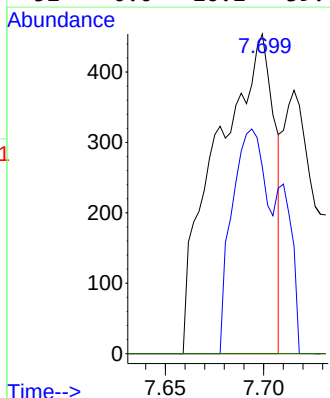
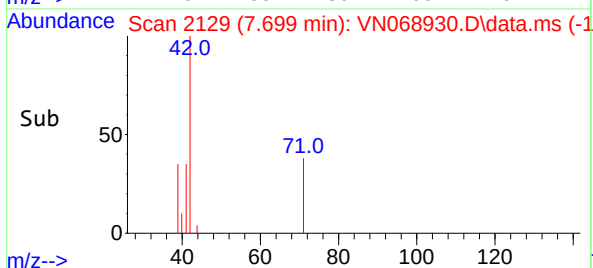
Tgt Ion:117 Resp: 37802
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#

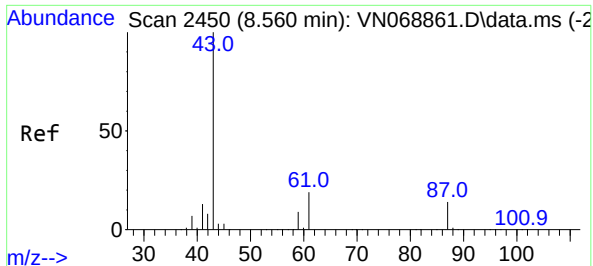


#41
Methacrylonitrile
Concen: 0.335 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.062 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31



Tgt Ion: 41 Resp: 919
Ion Ratio Lower Upper
41 100
39 43.6 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

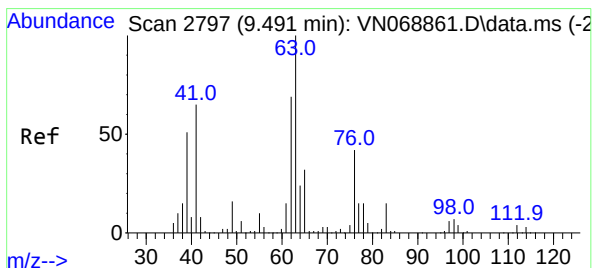
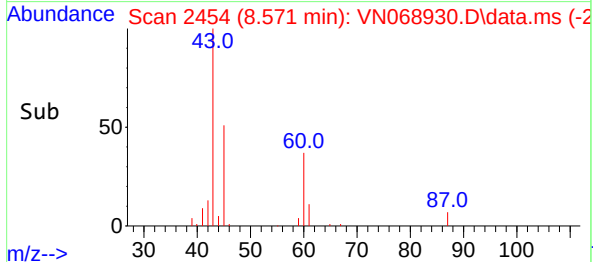
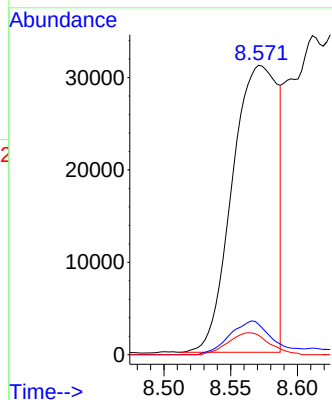
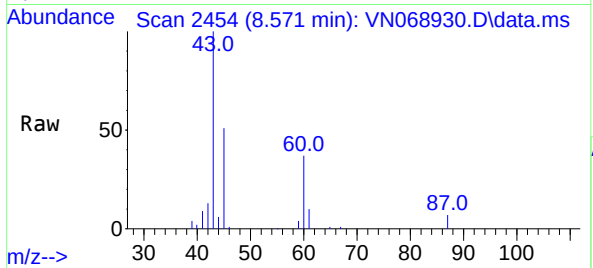




#43
Isopropyl Acetate
Concen: 7.657 ug/l
RT: 8.571 min Scan# 2454
Delta R.T. 0.011 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

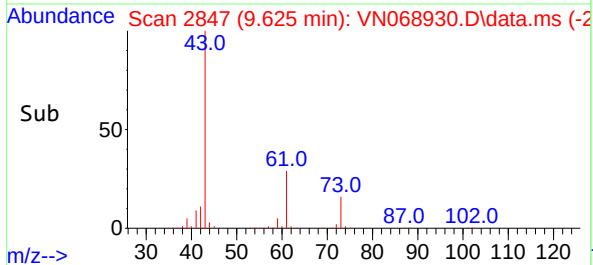
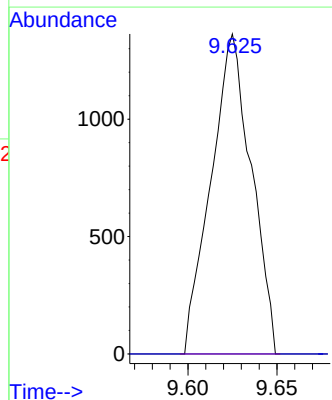
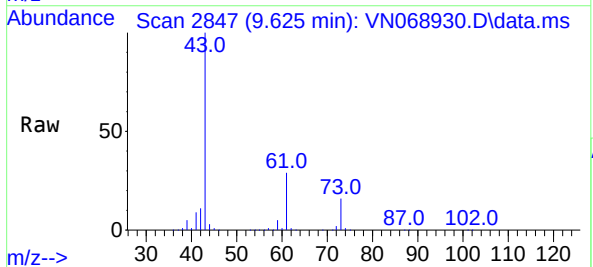
Instrument :
MSVOA_N
ClientSampled :

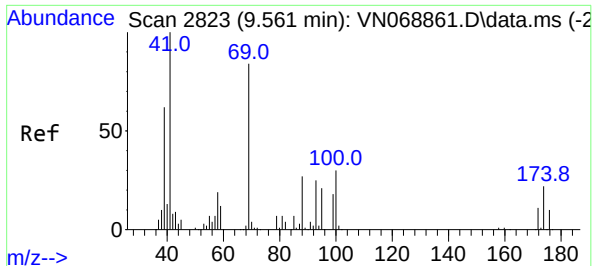
Tgt Ion: 43 Resp: 73575
Ion Ratio Lower Upper
43 100
61 11.1 20.4 30.6#
87 6.8 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.516 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 63 Resp: 2149
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

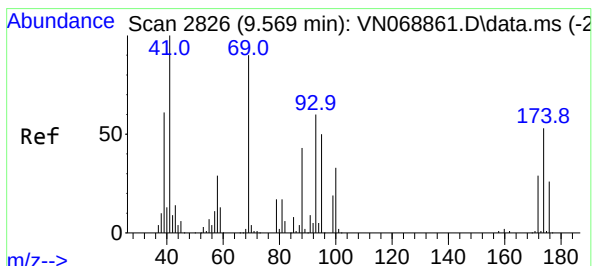
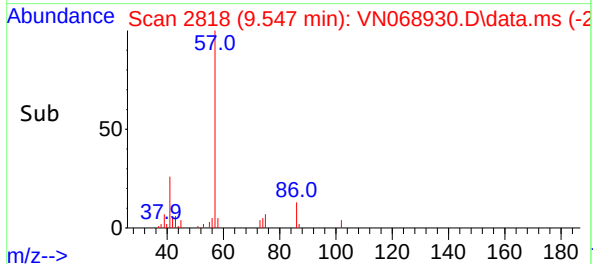
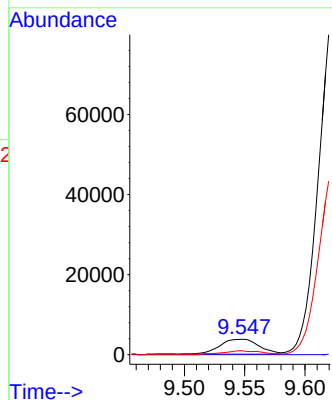
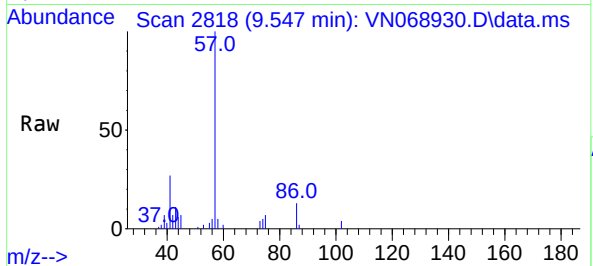




#48
Methyl methacrylate
Concen: 1.837 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

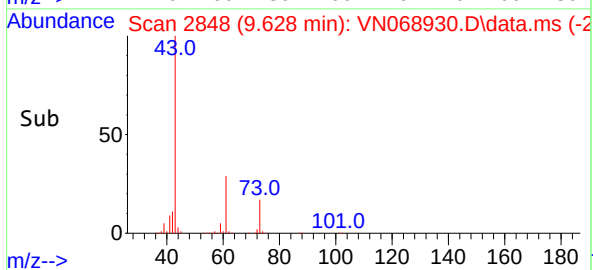
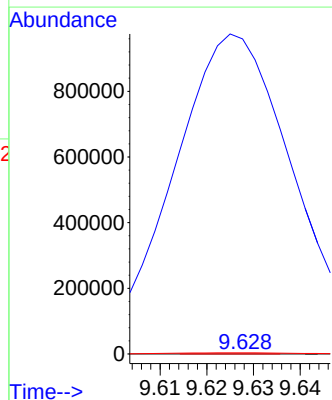
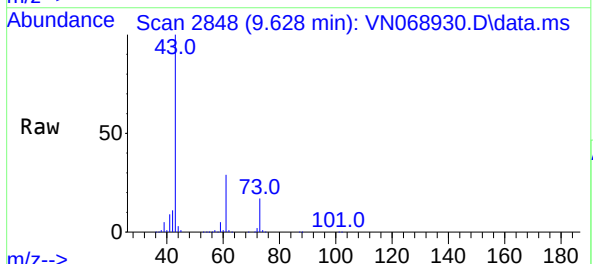
Instrument :
MSVOA_N
ClientSampled :

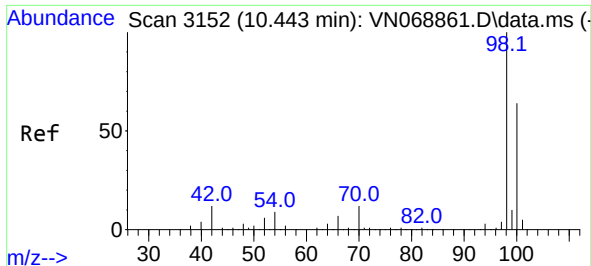
Tgt Ion: 41 Resp: 8294
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.617 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 1019762.4 24.9 37.3#
58 3729.3 56.9 85.3#

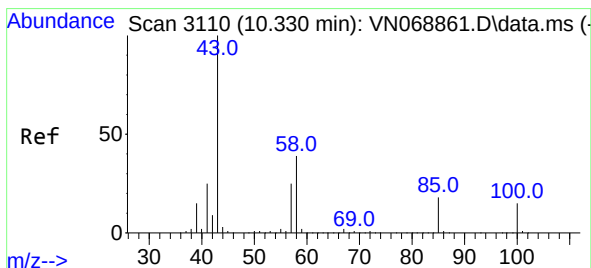
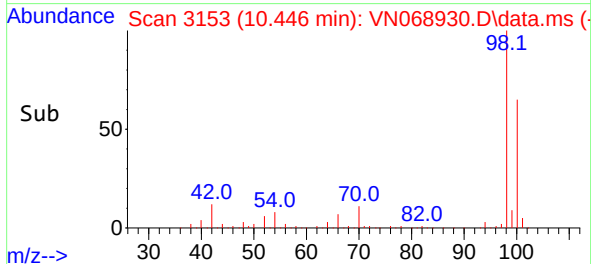
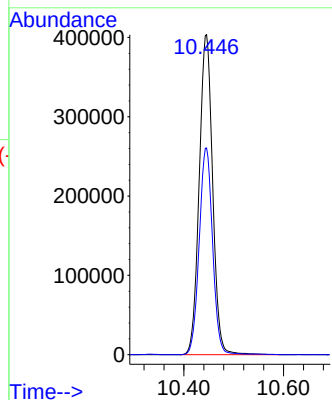
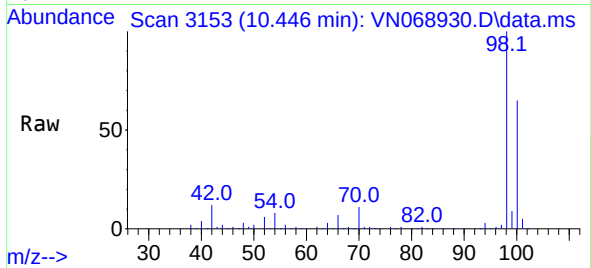




#50
Toluene-d8
Concen: 52.550 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

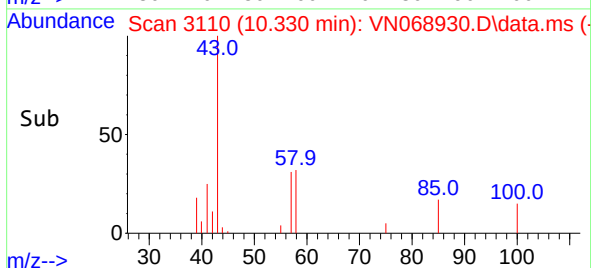
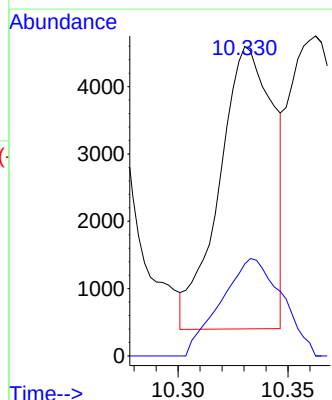
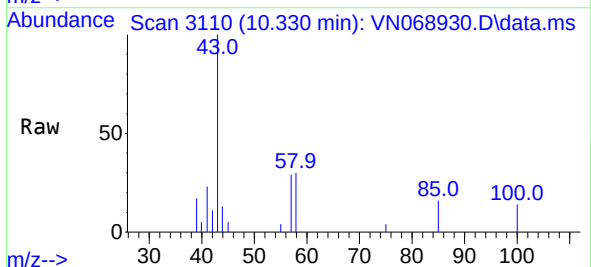
Instrument :
MSVOA_N
ClientSampled :

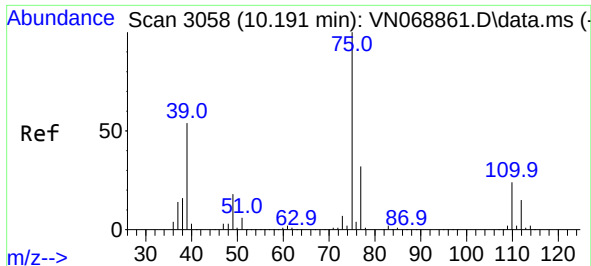
Tgt Ion: 98 Resp: 755212
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.294 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 43 Resp: 7207
Ion Ratio Lower Upper
43 100
58 38.8 31.0 46.4

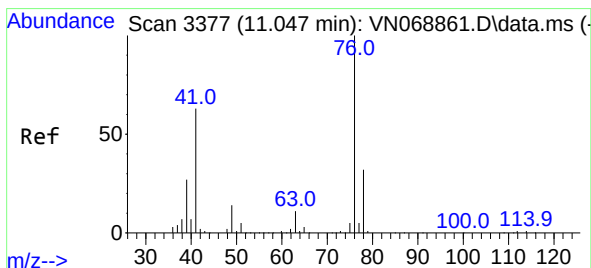
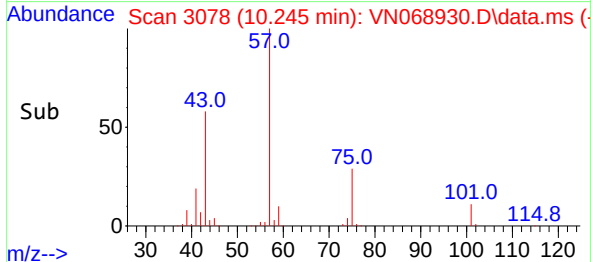
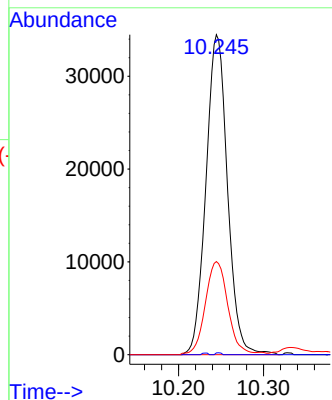
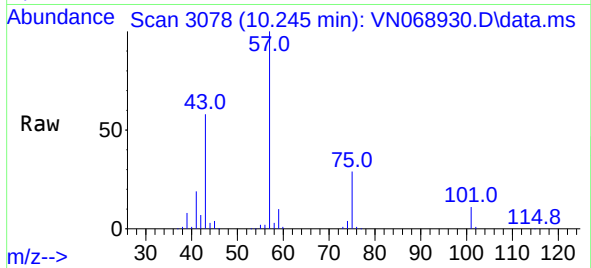




#54
cis-1,3-Dichloropropene
Concen: 8.736 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

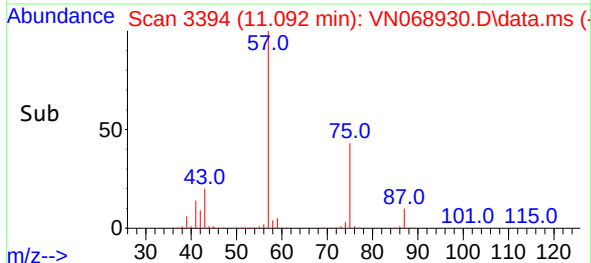
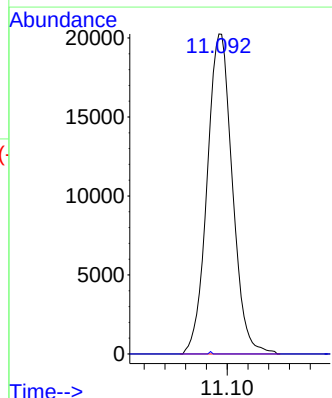
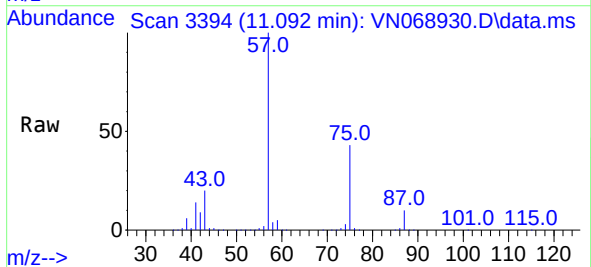
Instrument :
MSVOA_N
ClientSampled :

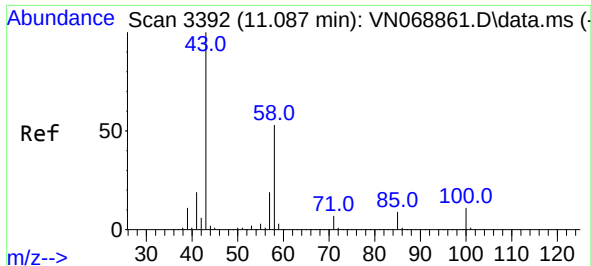
Tgt Ion: 75 Resp: 60682
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 29.1 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 5.097 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 76 Resp: 34234
Ion Ratio Lower Upper
76 100
78 0.1 25.8 38.8#

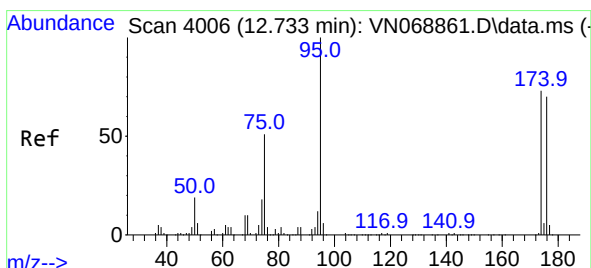
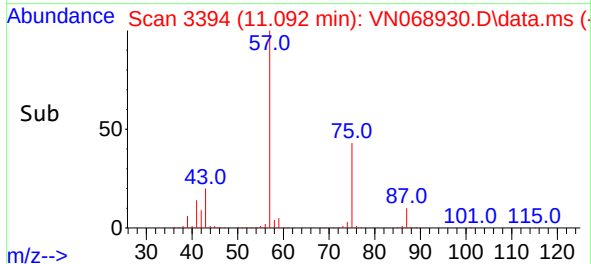
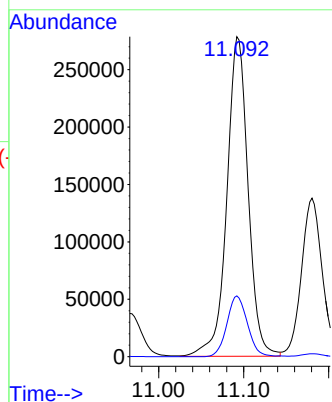
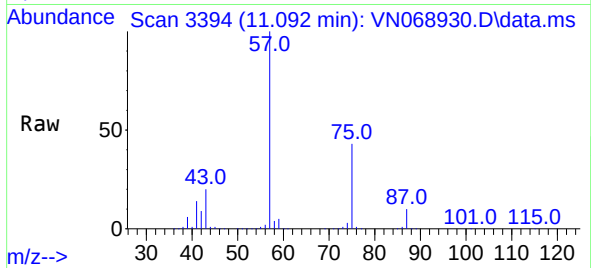




#59
2-Hexanone
Concen: 121.103 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

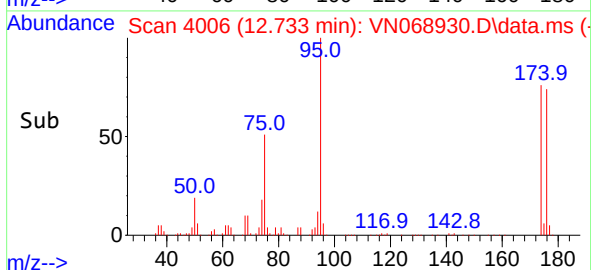
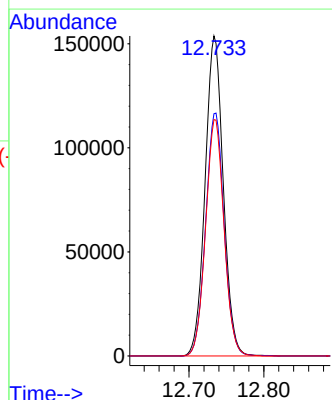
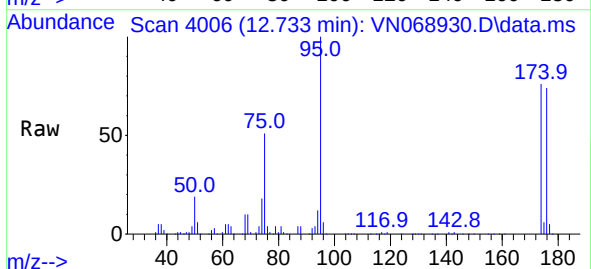
Instrument :
MSVOA_N
ClientSampled :

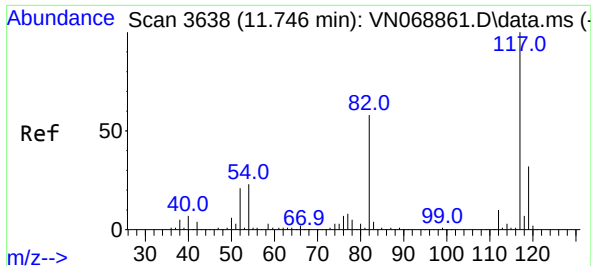
Tgt Ion: 43 Resp: 483881
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.891 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 95 Resp: 259672
Ion Ratio Lower Upper
95 100
174 77.3 0.0 144.8
176 74.9 0.0 140.0

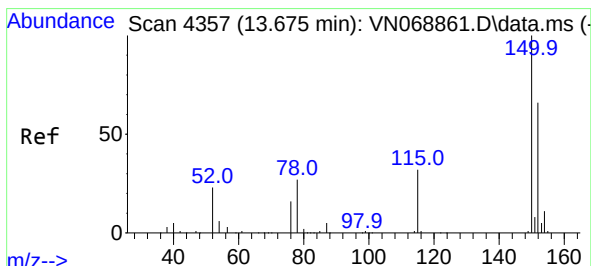
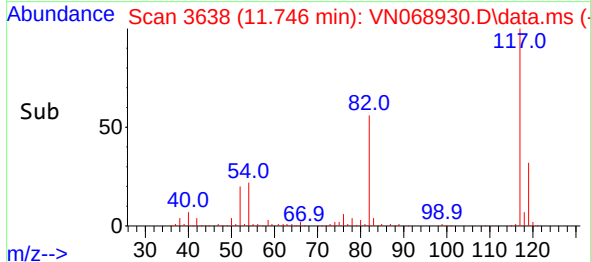
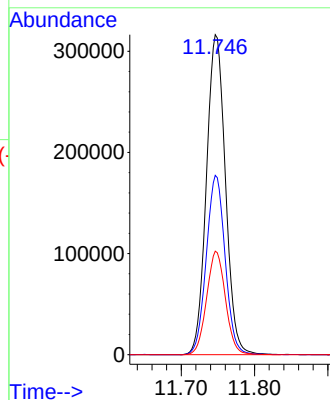
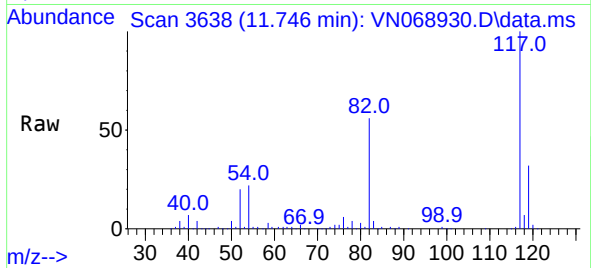




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

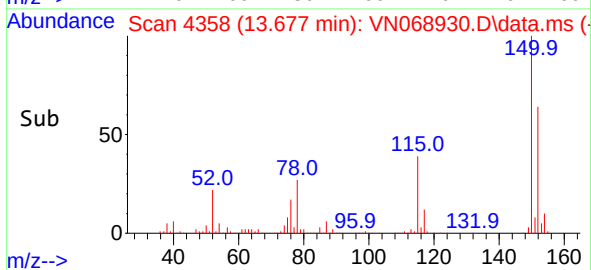
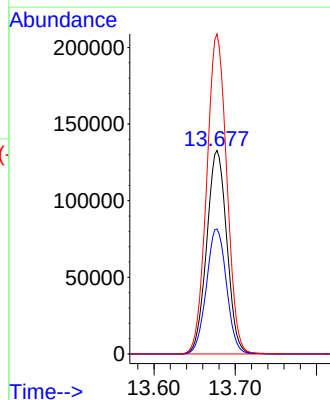
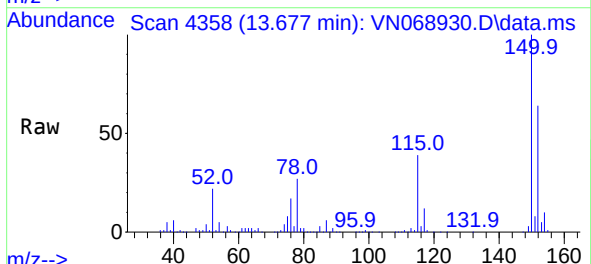
Instrument :
MSVOA_N
ClientSampleId :

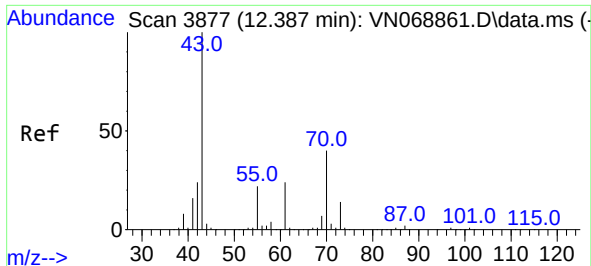
Tgt Ion:117 Resp: 570594
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion:152 Resp: 228753
Ion Ratio Lower Upper
152 100
115 61.4 31.4 94.3
150 156.8 0.0 351.0

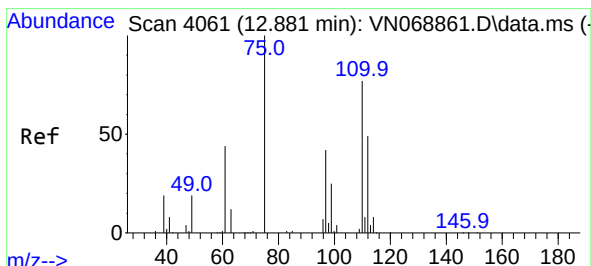
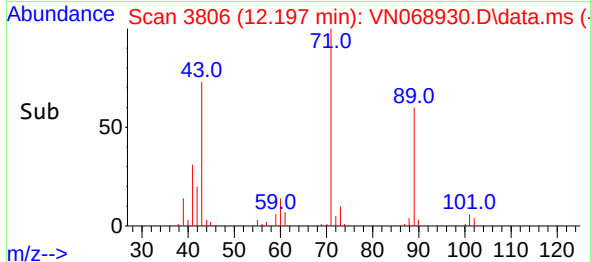
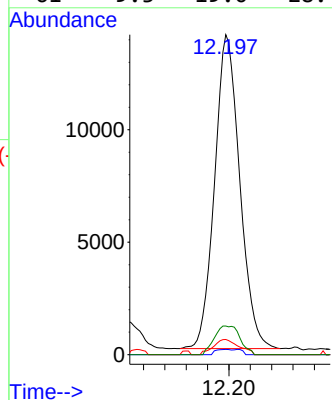
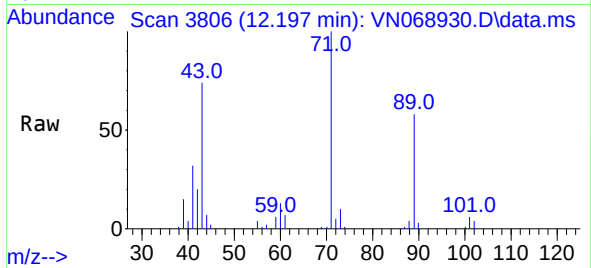




#74
N-amy1 acetate
Concen: 3.167 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.191 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

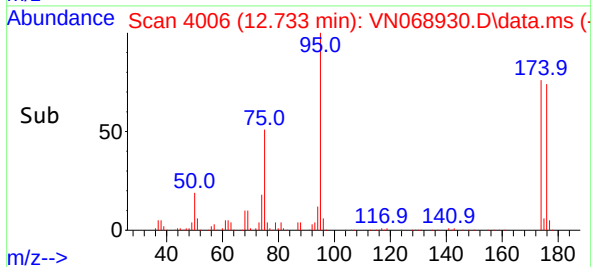
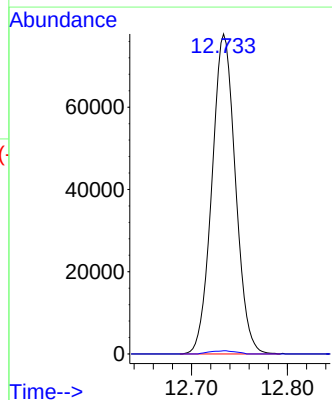
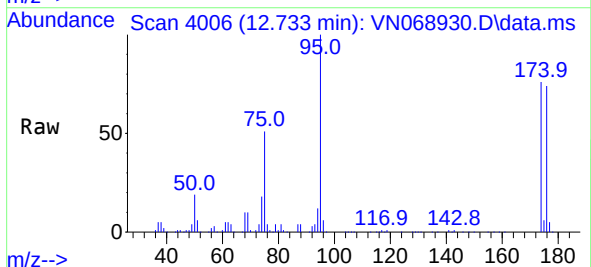
Instrument :
MSVOA_N
ClientSampled :

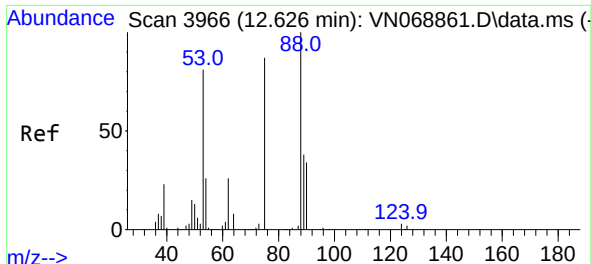
Tgt Ion: 43	Resp: 22842
Ion Ratio	Lower Upper
43 100	
70 1.0	32.2 48.2#
55 4.9	18.0 27.0#
61 9.3	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 27.192 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion: 75	Resp: 132348
Ion Ratio	Lower Upper
75 100	
77 1.1	96.2 288.4#

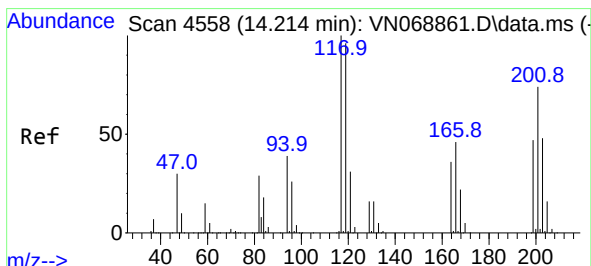
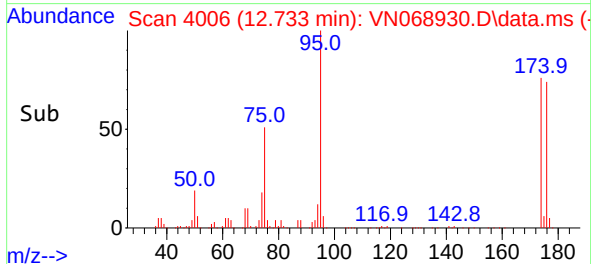
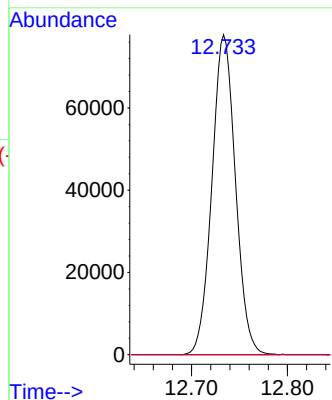
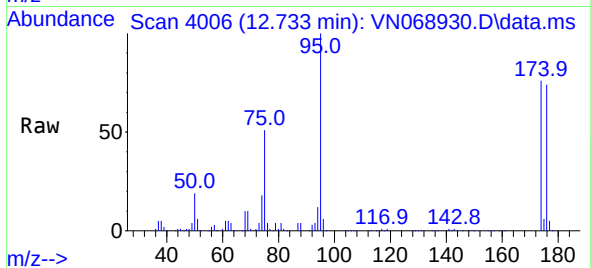




#81
trans-1,4-Dichloro-2-butene
Concen: 65.055 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

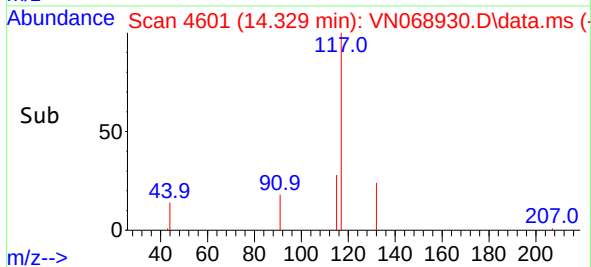
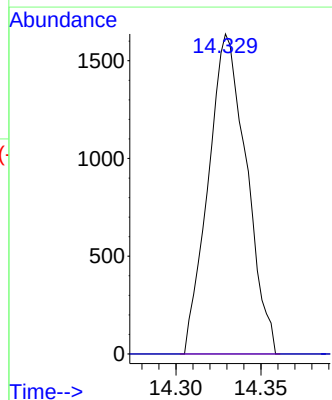
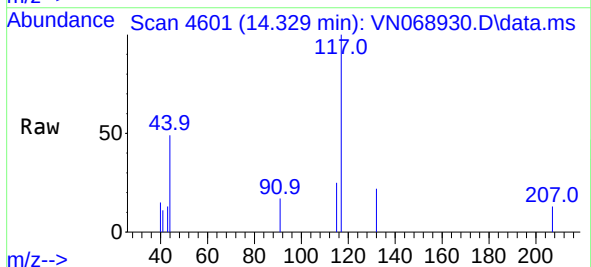
Instrument :
MSVOA_N
ClientSampled :

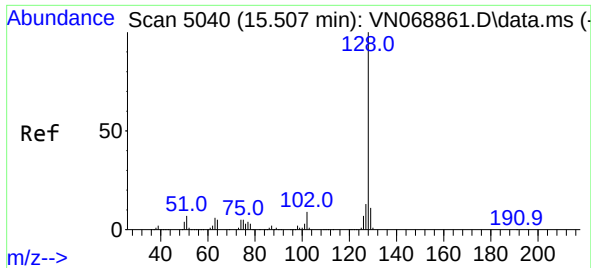
Tgt Ion: 75 Resp: 132348
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.795 ug/l
RT: 14.329 min Scan# 4601
Delta R.T. 0.115 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Tgt Ion:117 Resp: 2561
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#





#95
Naphthalene
Concen: 4.543 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068930.D
Acq: 14 Oct 2021 17:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 8403
Ion Ratio Lower Upper
128 100
127 11.8 10.5 15.7
129 8.6 8.9 13.3#

