

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068924.D
 Acq On : 14 Oct 2021 15:00
 Operator : JC/MD
 Sample : M4192-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:45:49 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

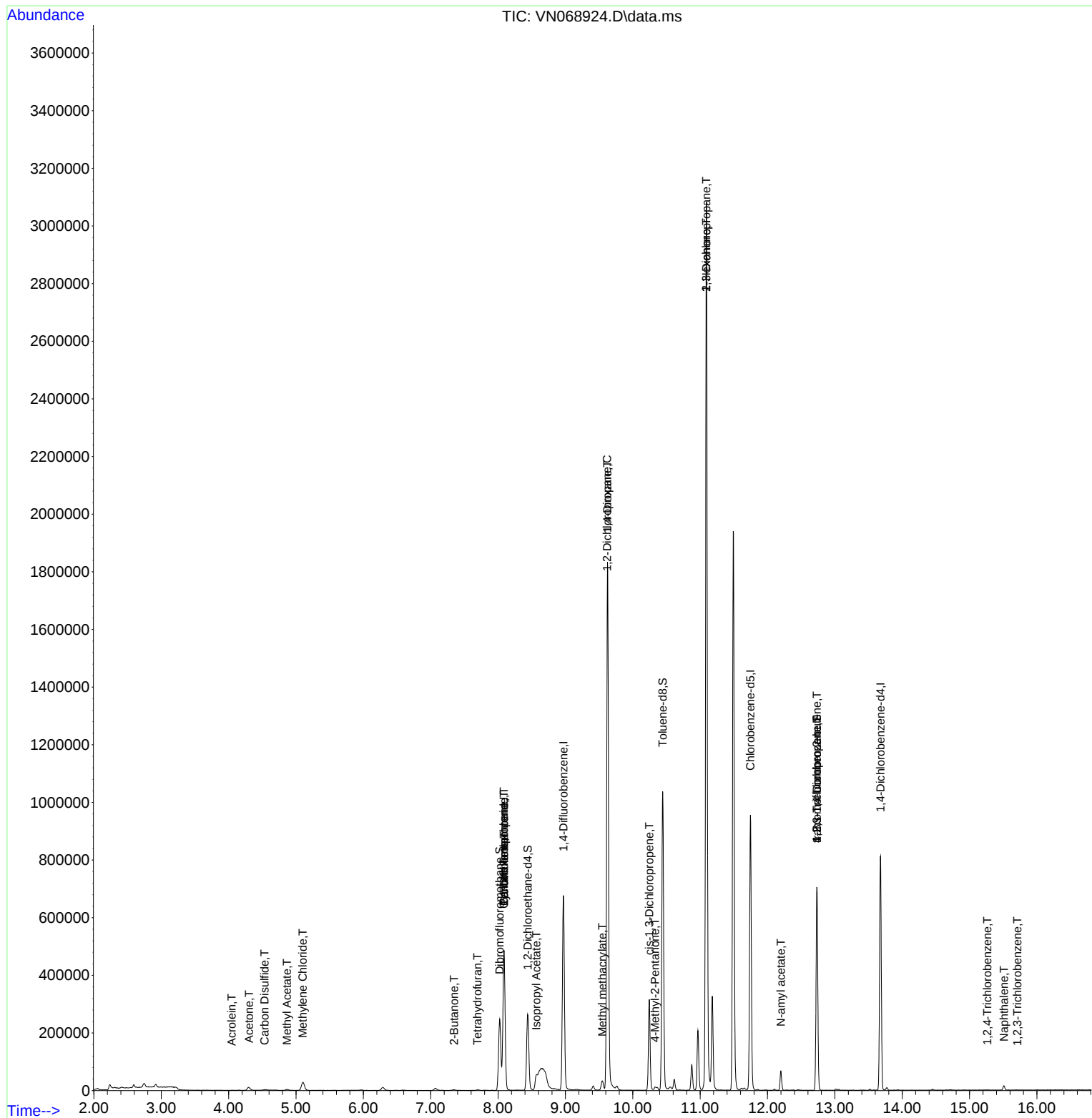
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	377738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	619288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	569523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	223743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	223130	44.802	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.600%		
35) Dibromofluoromethane	8.024	113	182969	50.781	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.560%		
50) Toluene-d8	10.443	98	749983	52.023	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.040%		
62) 4-Bromofluorobenzene	12.734	95	258749	47.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.140%		
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	221	0.549	ug/l #	1
16) Acetone	4.301	43	21142	11.375	ug/l	97
17) Carbon Disulfide	4.532	76	4806	0.485	ug/l #	75
18) Methyl Acetate	4.867	43	8172	1.159	ug/l #	75
20) Methylene Chloride	5.098	84	23742	5.550	ug/l	91
25) 2-Butanone	7.348	43	5541	1.972	ug/l	99
29) Tetrahydrofuran	7.694	42	1868	1.025	ug/l #	85
31) Cyclohexane	8.086	56	7979	1.030	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28174	5.326	ug/l #	50
38) Carbon Tetrachloride	8.088	117	37705	6.490	ug/l #	15
43) Isopropyl Acetate	8.568	43	60148	6.240	ug/l #	79
45) 1,2-Dichloropropane	9.620	63	2209	0.529	ug/l #	43
48) Methyl methacrylate	9.550	41	8309	1.835	ug/l #	13
49) 1,4-Dioxane	9.622	88	84	36.551	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	5830	1.043	ug/l #	85
54) cis-1,3-Dichloropropene	10.245	75	59916	8.599	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	33433	4.962	ug/l #	42
59) 2-Hexanone	11.092	43	478911	119.483	ug/l #	50
74) N-amyl acetate	12.197	43	20782	2.945	ug/l #	54
76) 1,2,3-Trichloropropane	12.734	75	131211	27.562	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	131211	65.940	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.263	180	425	2.709	ug/l #	81
95) Naphthalene	15.509	128	14827	5.131	ug/l	98
96) 1,2,3-Trichlorobenzene	15.708	180	406	2.622	ug/l #	77

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

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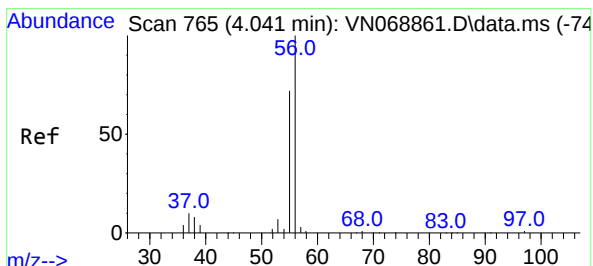
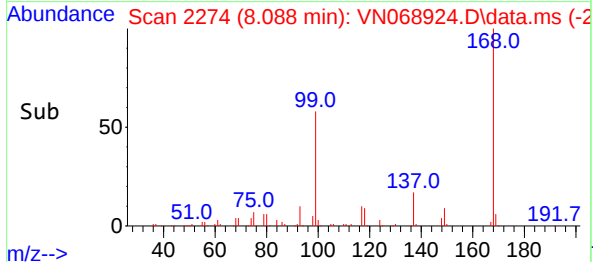
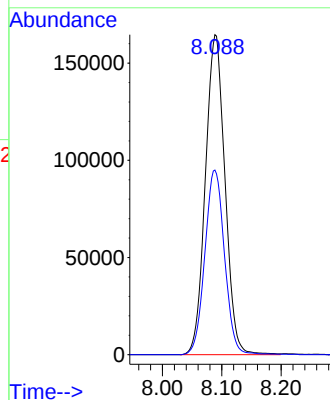
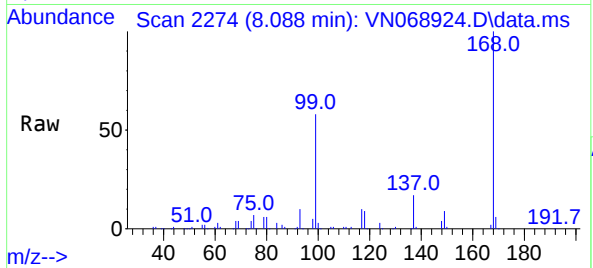




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

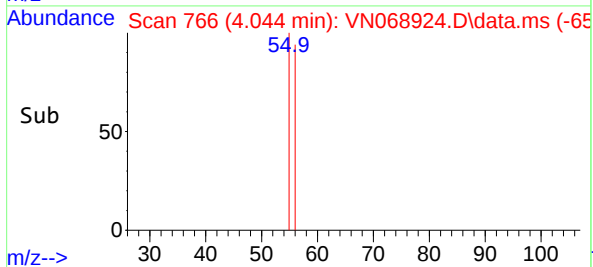
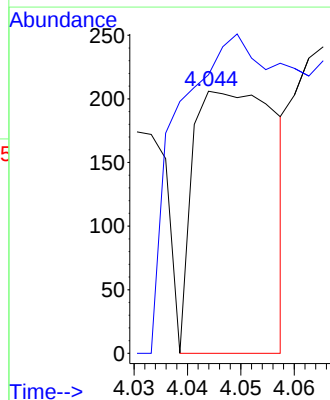
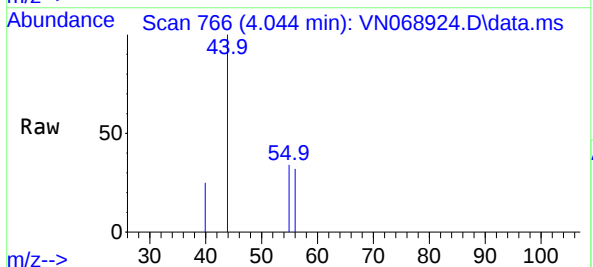
Instrument :
MSVOA_N
ClientSampled :

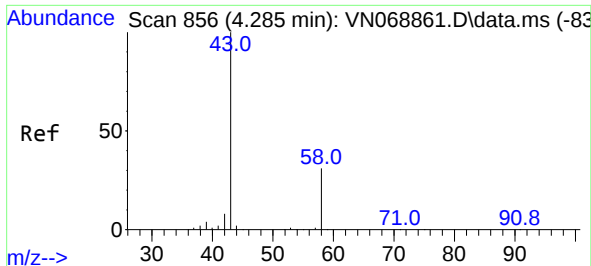
Tgt Ion:168 Resp: 377738
Ion Ratio Lower Upper
168 100
99 57.7 48.9 73.3



#13
Acrolein
Concen: 0.549 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 176.0 58.1 87.1#

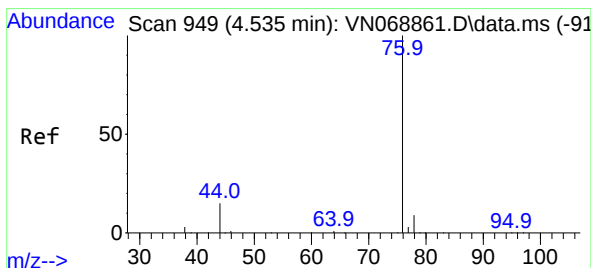
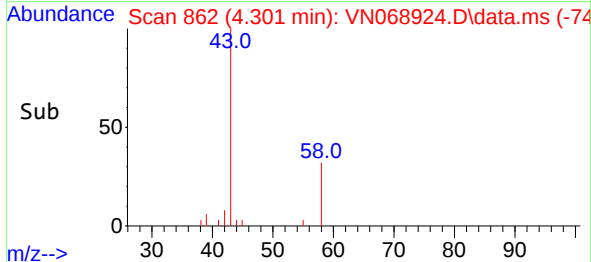
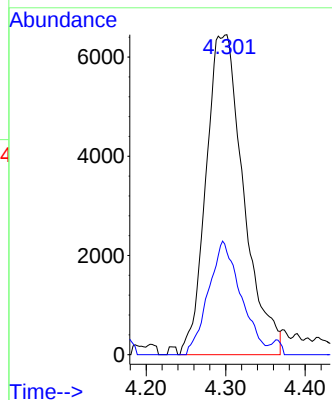
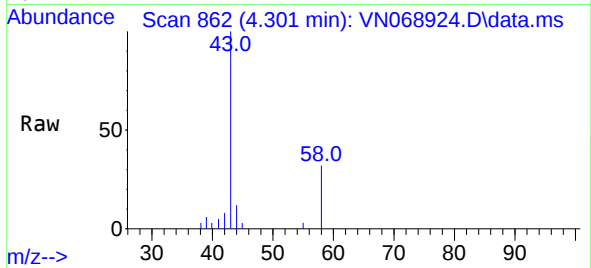




#16
Acetone
Concen: 11.375 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

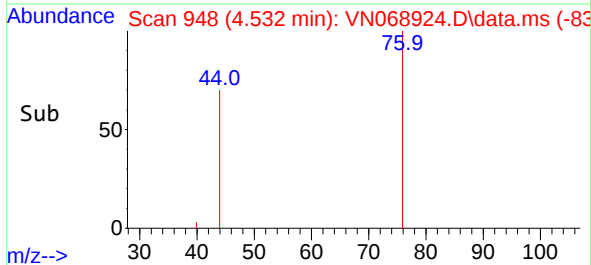
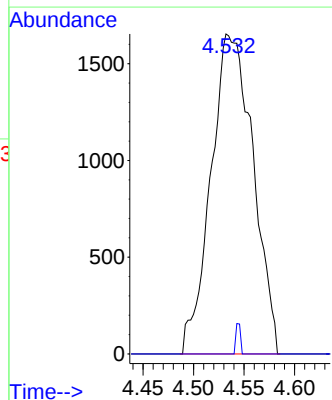
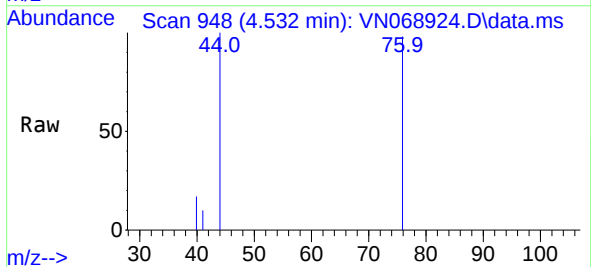
Instrument :
MSVOA_N
ClientSampled :

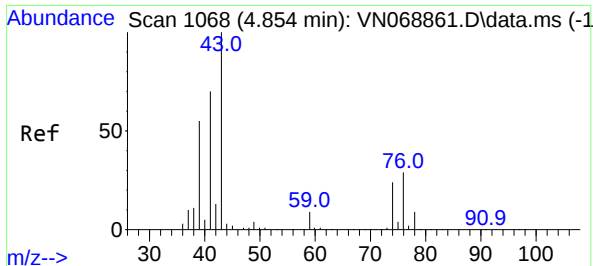
Tgt Ion: 43 Resp: 21142
Ion Ratio Lower Upper
43 100
58 32.0 24.5 36.7



#17
Carbon Disulfide
Concen: 0.485 ug/l
RT: 4.532 min Scan# 948
Delta R.T. -0.003 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 76 Resp: 4806
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

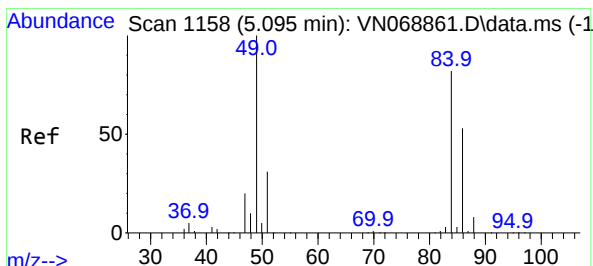
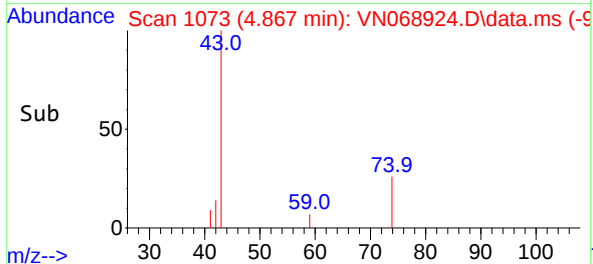
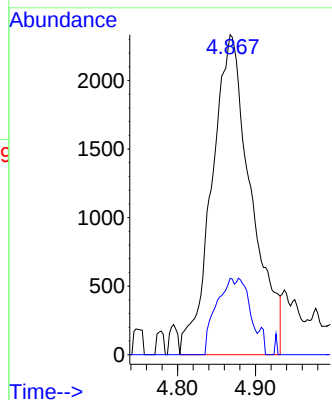
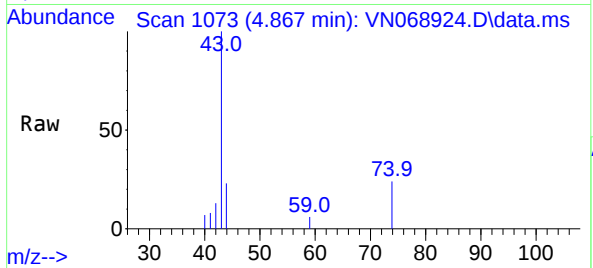




#18
Methyl Acetate
Concen: 1.159 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

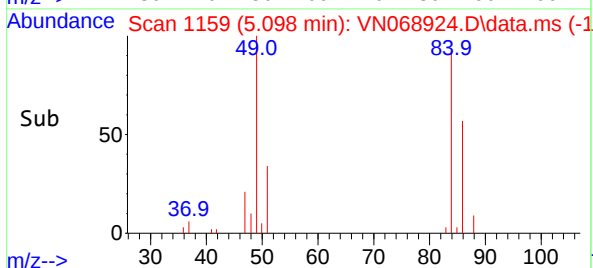
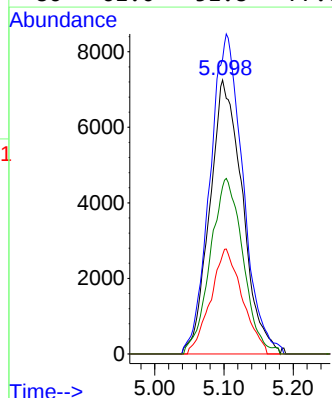
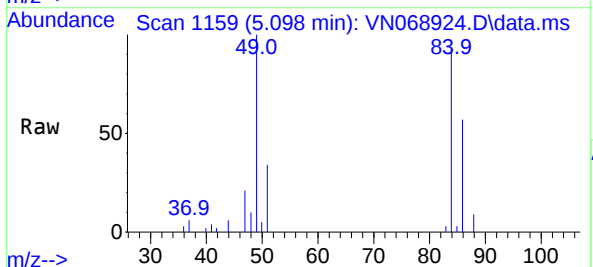
Instrument :
MSVOA_N
ClientSampled :

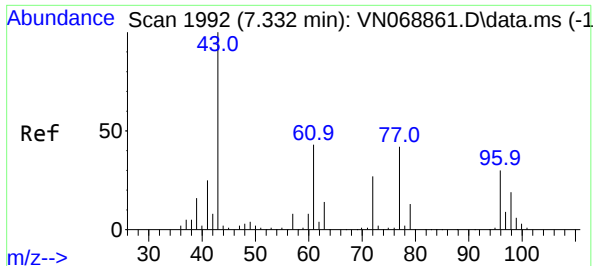
Tgt Ion: 43 Resp: 8172
Ion Ratio Lower Upper
43 100
74 11.2 18.9 28.3#



#20
Methylene Chloride
Concen: 5.550 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 84 Resp: 23742
Ion Ratio Lower Upper
84 100
49 107.7 97.6 146.4
51 36.1 30.3 45.5
86 61.0 51.8 77.6

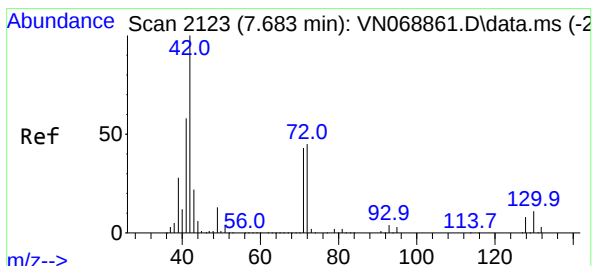
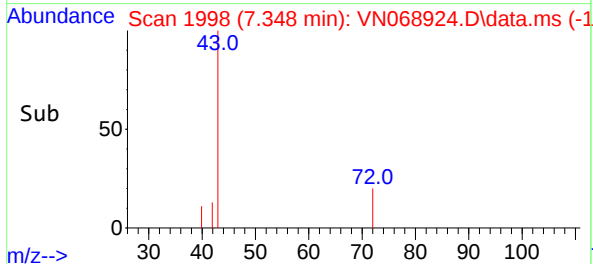
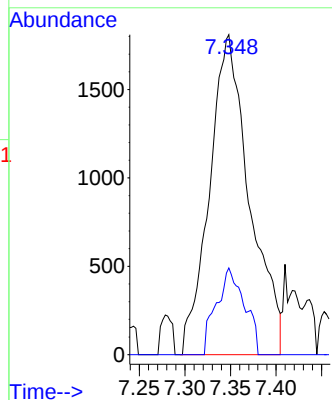
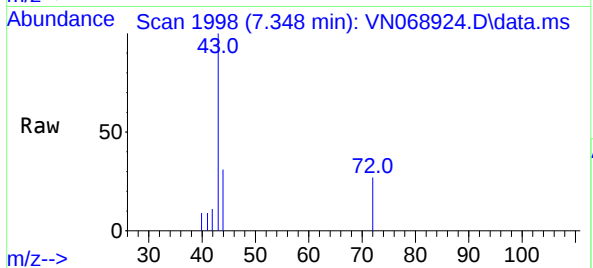




#25
2-Butanone
Concen: 1.972 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

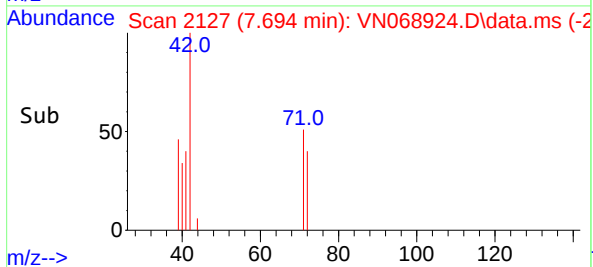
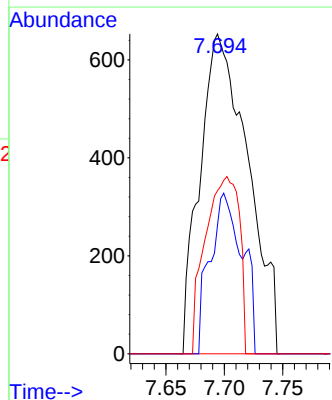
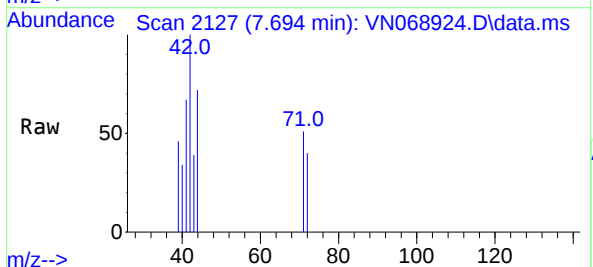
Instrument :
MSVOA_N
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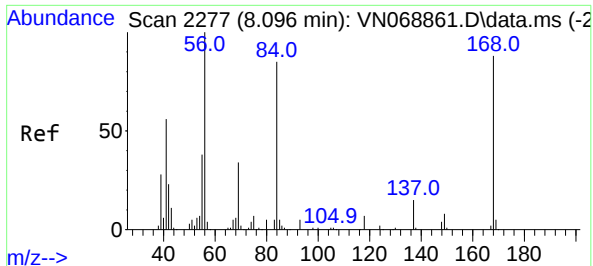
Tgt Ion: 43 Resp: 5541
Ion Ratio Lower Upper
43 100
72 27.1 21.2 31.8



#29
Tetrahydrofuran
Concen: 1.025 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 42 Resp: 1868
Ion Ratio Lower Upper
42 100
72 28.5 35.4 53.2#
71 39.2 33.8 50.6

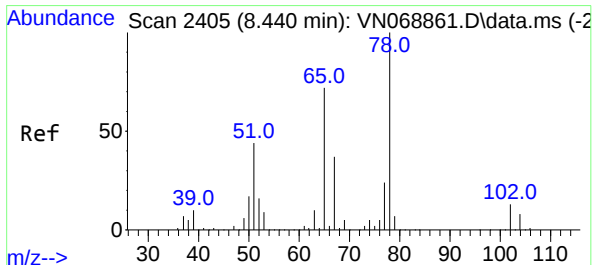
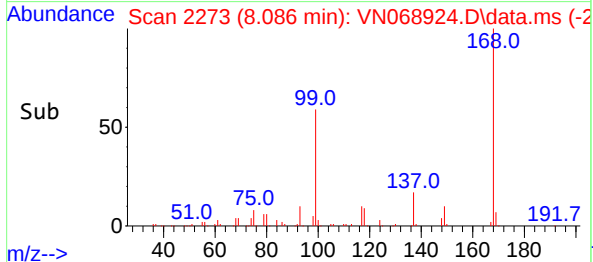
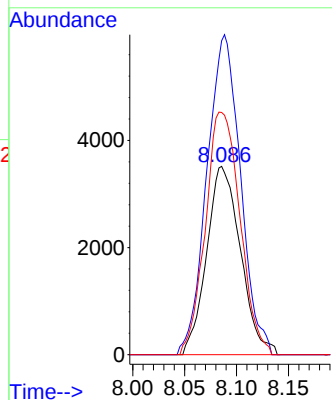
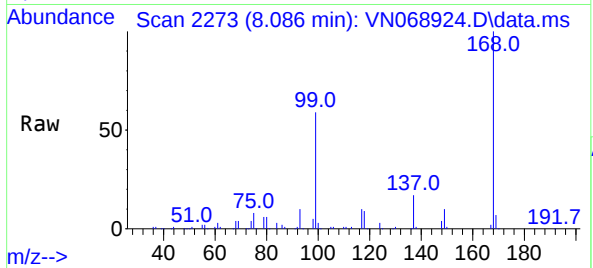




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

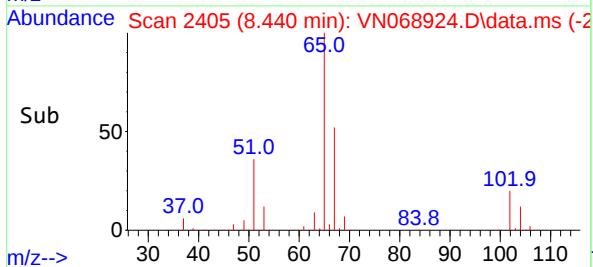
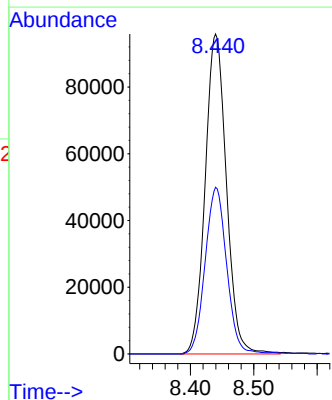
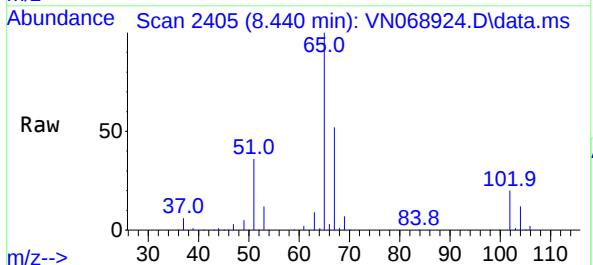
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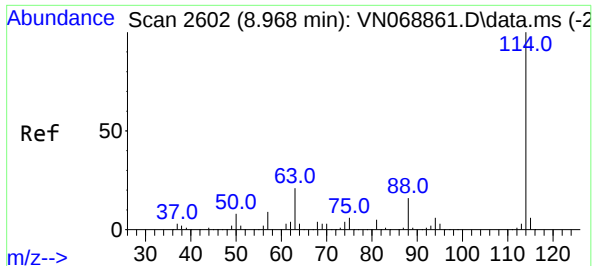
Tgt Ion: 56 Resp: 7979
Ion Ratio Lower Upper
56 100
69 166.7 26.9 40.3#
84 128.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 44.802 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 65 Resp: 223130
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.8

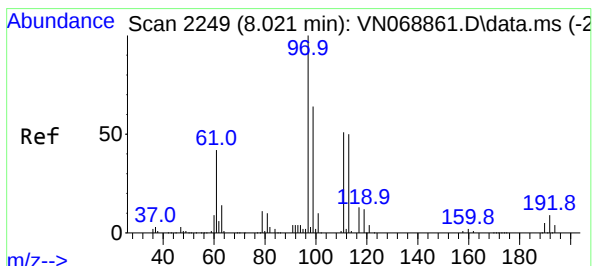
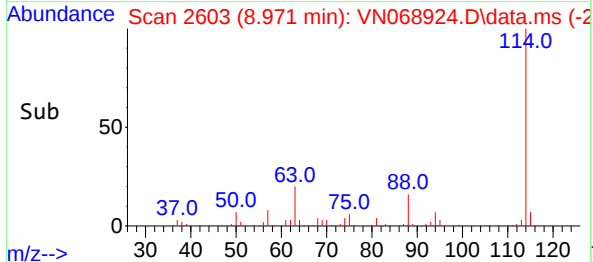
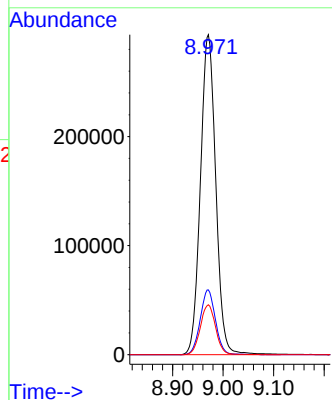
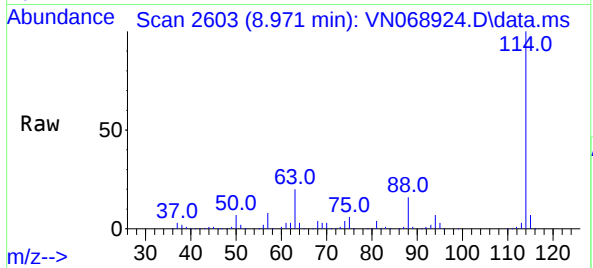




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

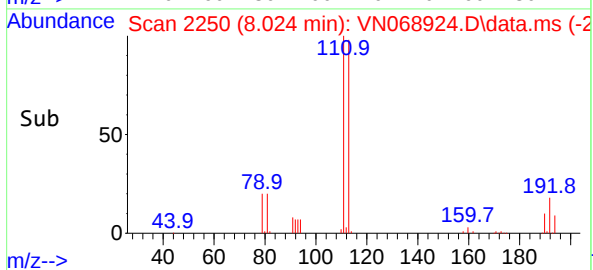
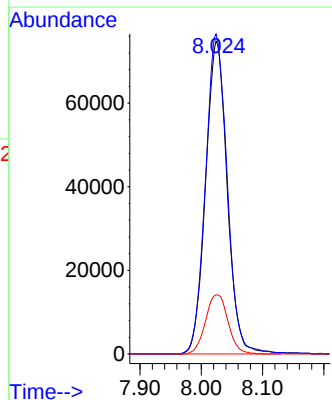
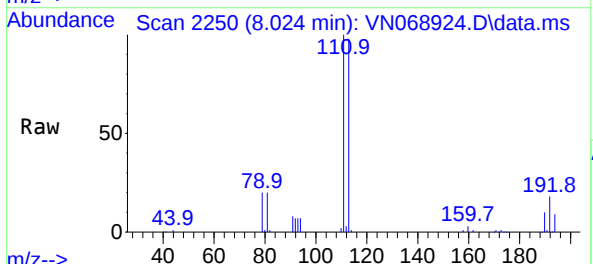
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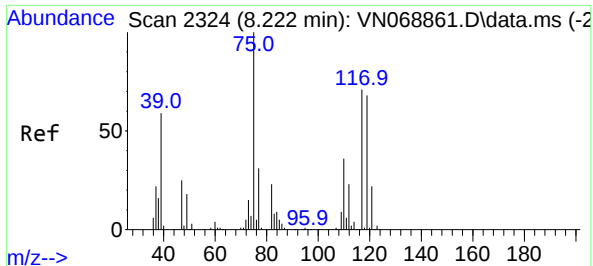
Tgt Ion:114 Resp: 619288
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.6 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.781 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion:113 Resp: 182969
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 19.7 15.0 22.4

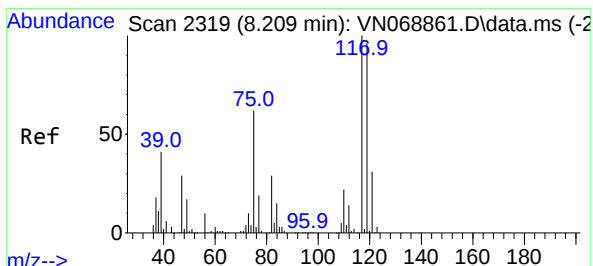
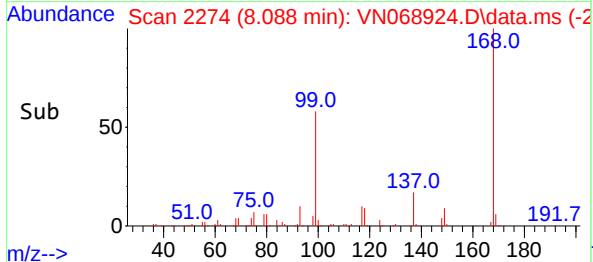
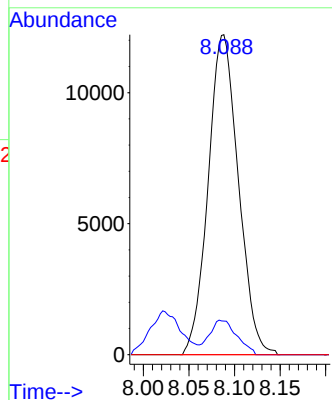
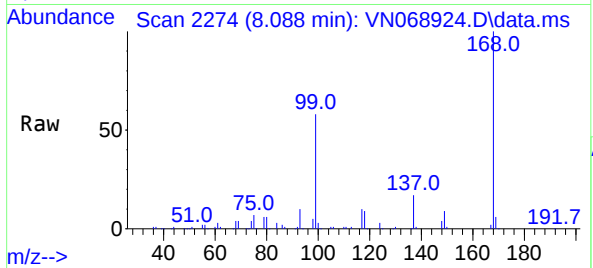




#36
1,1-Dichloropropene
Concen: 5.326 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

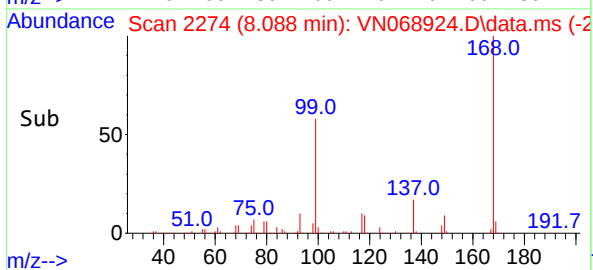
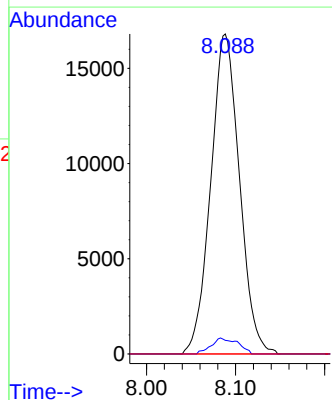
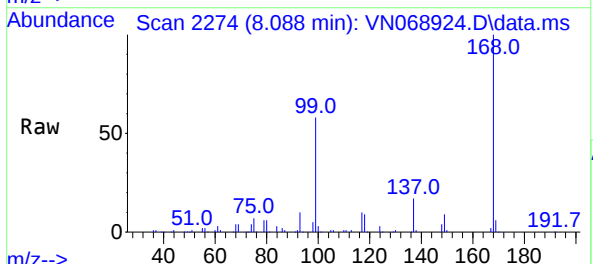
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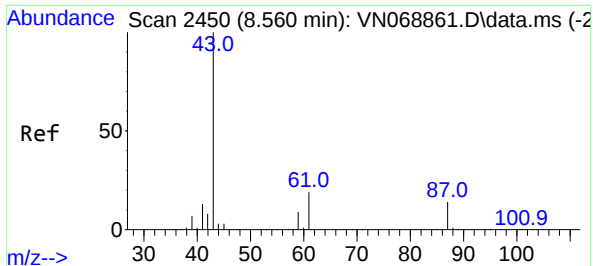
Tgt Ion: 75 Resp: 28174
Ion Ratio Lower Upper
75 100
110 9.8 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.490 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 117 Resp: 37705
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#

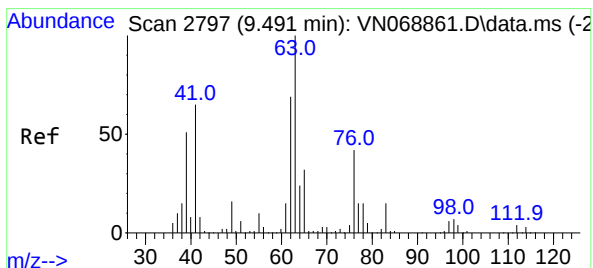
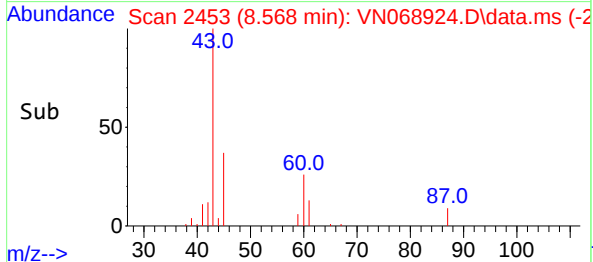
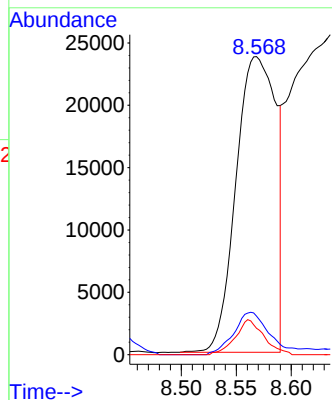
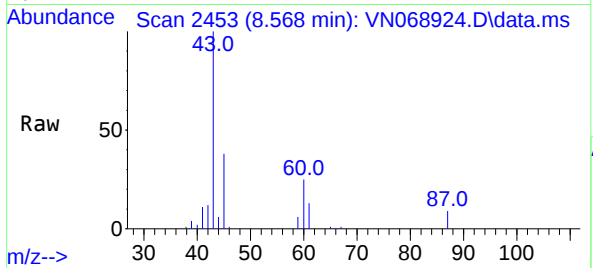




#43
Isopropyl Acetate
Concen: 6.240 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

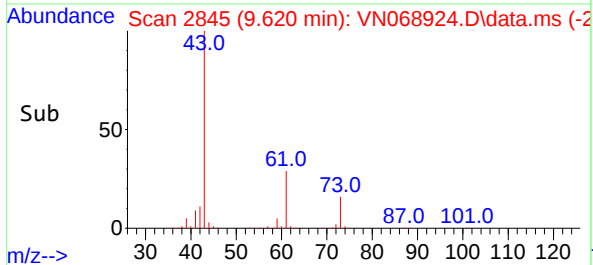
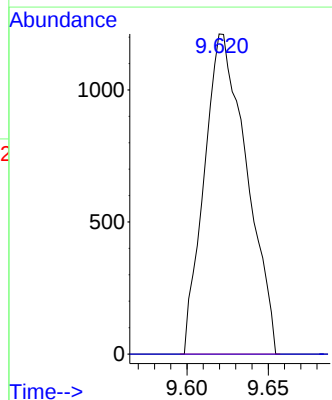
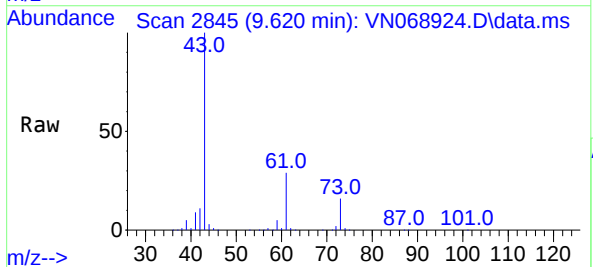
Instrument :
MSVOA_N
ClientSampled :

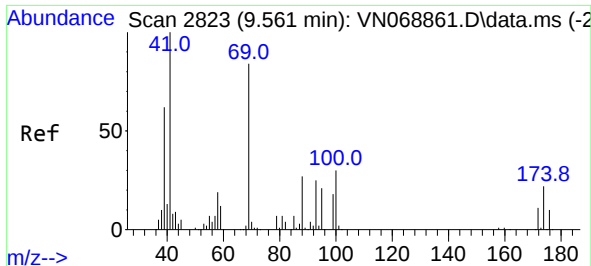
Tgt Ion: 43 Resp: 60148
Ion Ratio Lower Upper
43 100
61 12.9 20.4 30.6#
87 8.4 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.529 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 63 Resp: 2209
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

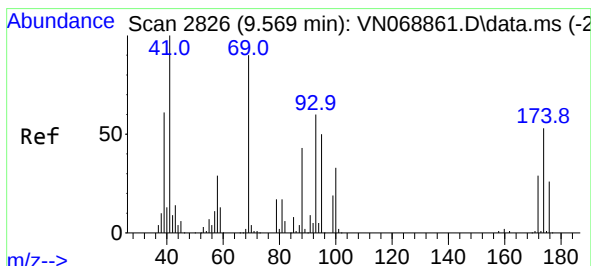
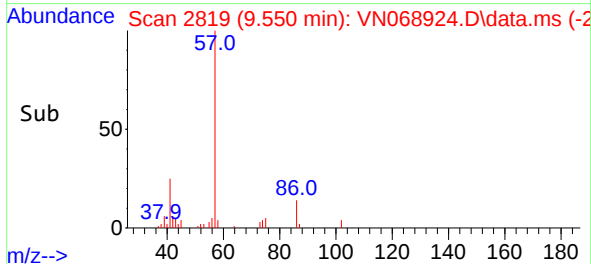
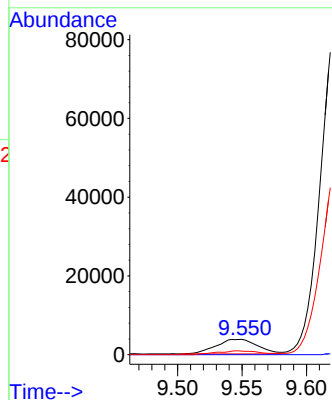
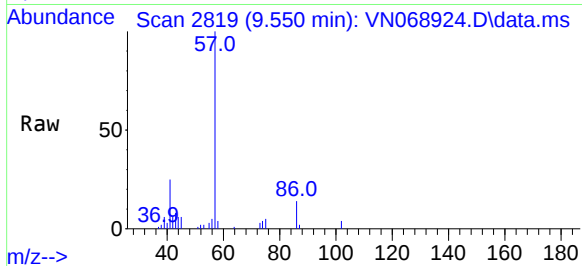




#48
Methyl methacrylate
Concen: 1.835 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

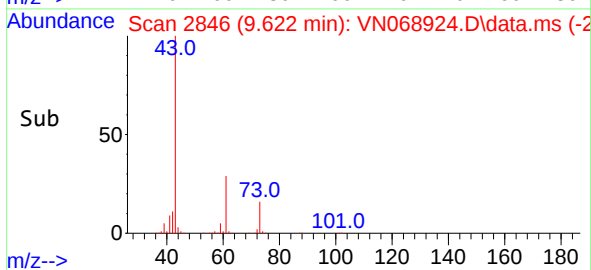
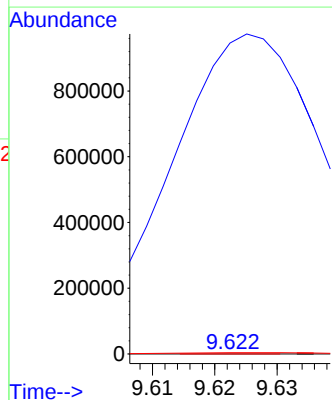
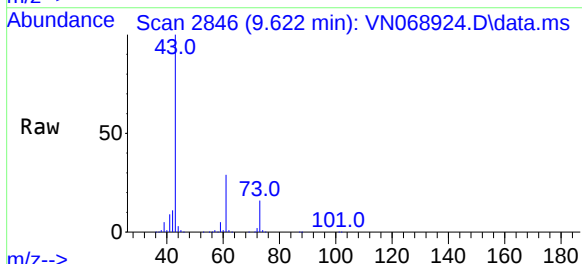
Instrument :
MSVOA_N
ClientSampled :

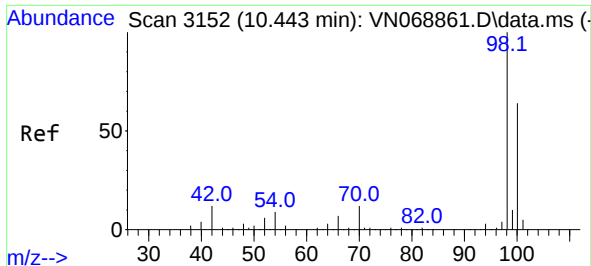
Tgt Ion: 41 Resp: 8309
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.551 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 2219709.5 24.9 37.3#
58 8638.1 56.9 85.3#

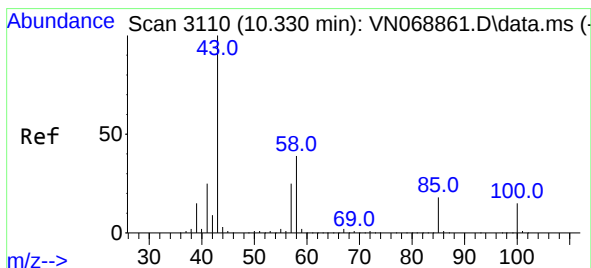
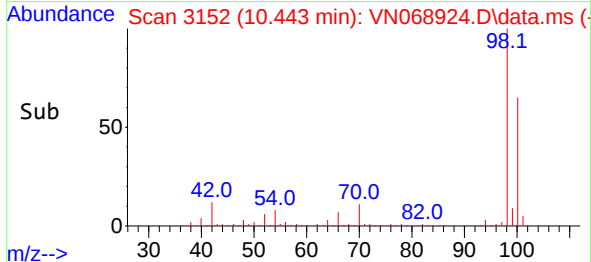
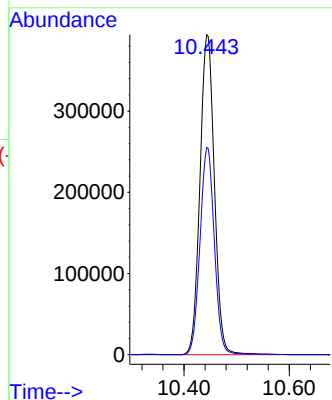
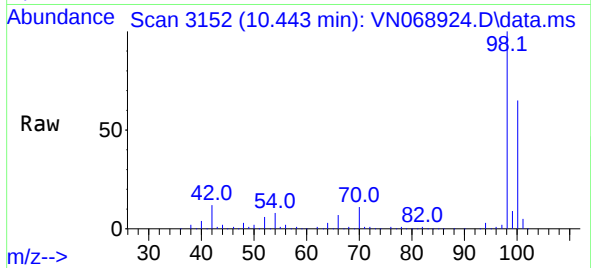




#50
Toluene-d8
Concen: 52.023 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

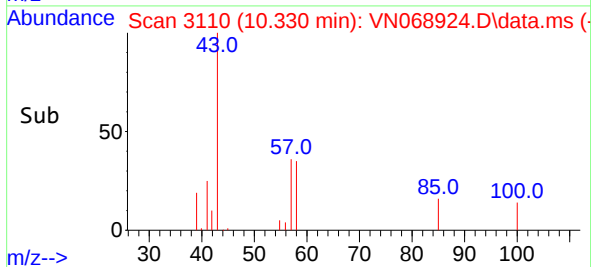
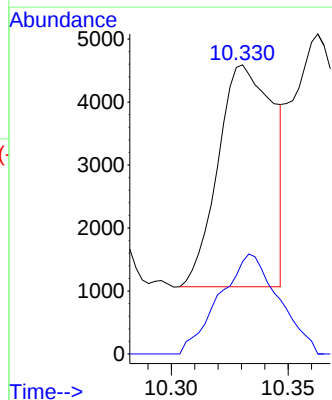
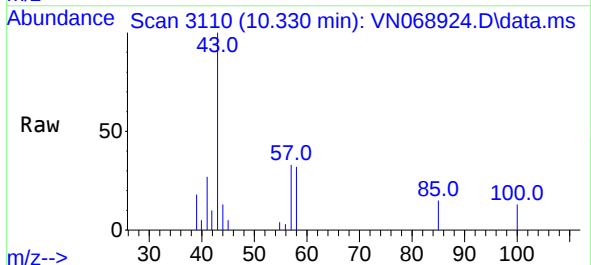
Instrument :
MSVOA_N
ClientSampled :

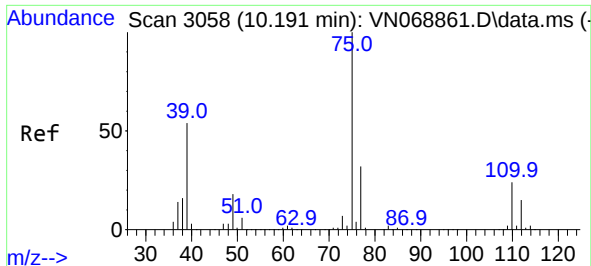
Tgt Ion: 98 Resp: 749983
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 43 Resp: 5830
Ion Ratio Lower Upper
43 100
58 47.9 31.0 46.4#

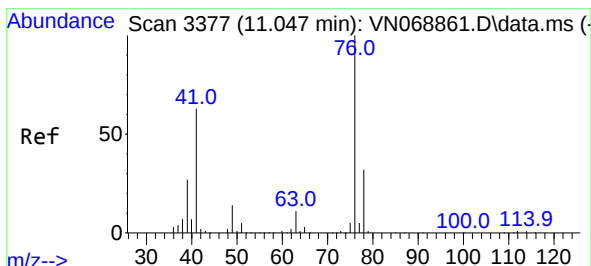
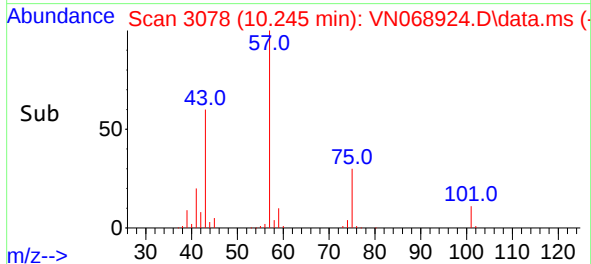
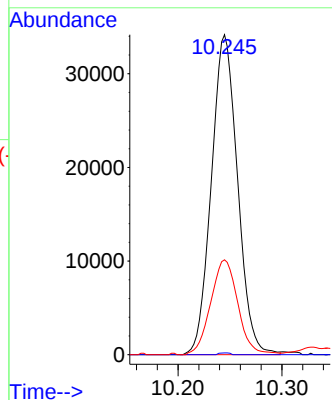
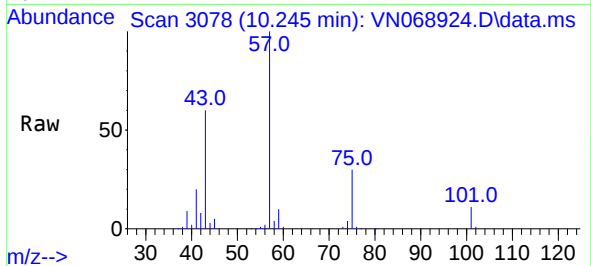




#54
cis-1,3-Dichloropropene
Concen: 8.599 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

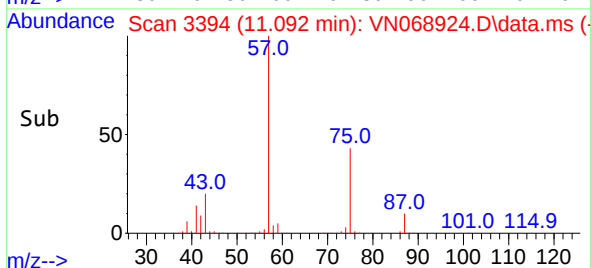
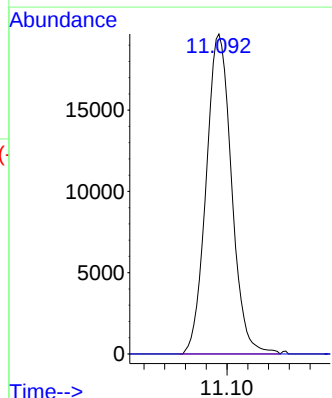
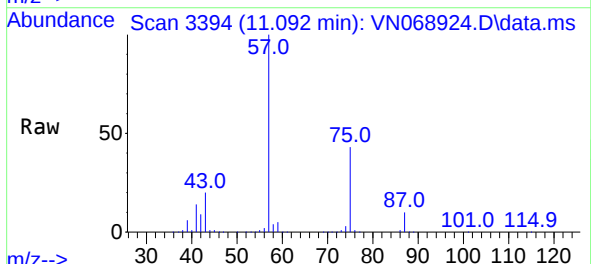
Instrument :
MSVOA_N
ClientSampled :

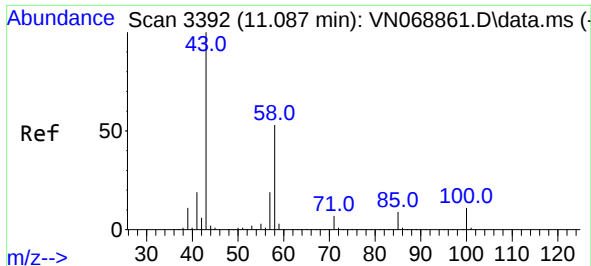
Tgt Ion: 75 Resp: 59916
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 29.7 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 4.962 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 76 Resp: 33433
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

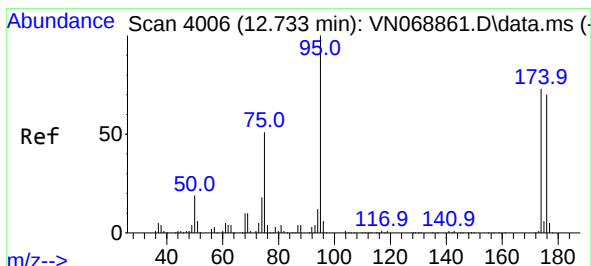
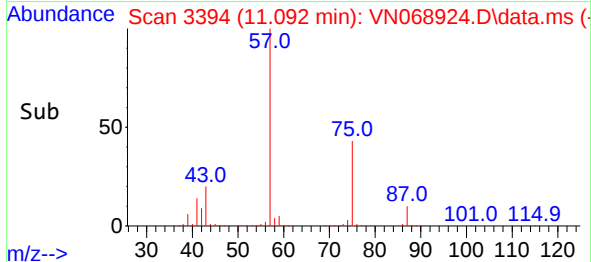
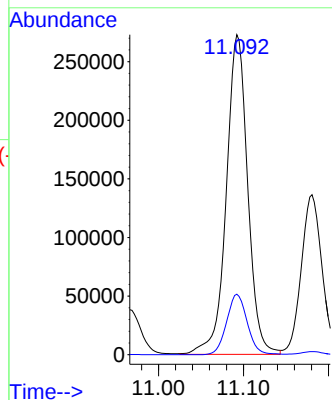
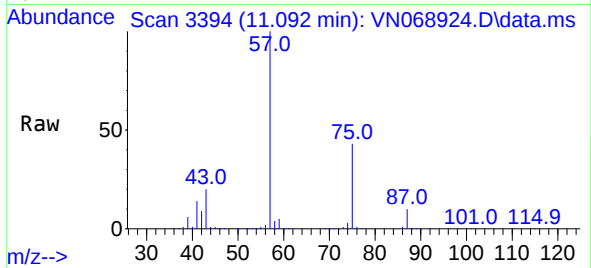




#59
2-Hexanone
Concen: 119.483 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

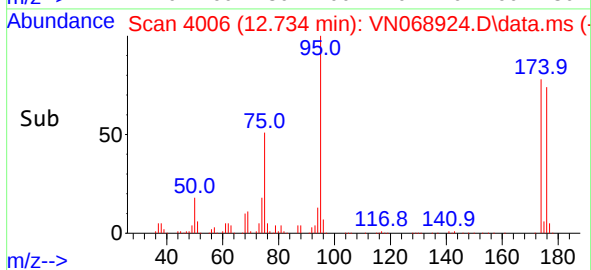
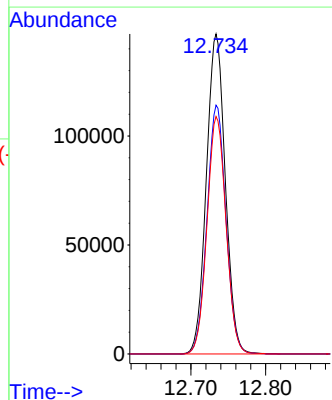
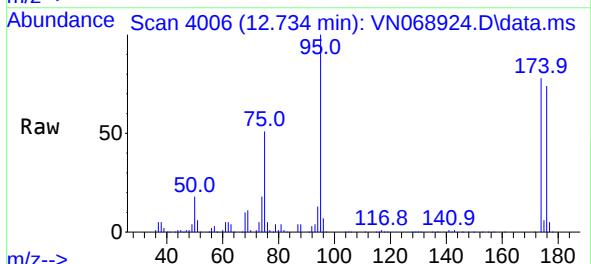
Instrument :
MSVOA_N
ClientSampled :

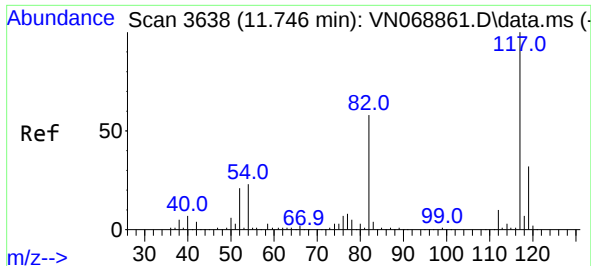
Tgt Ion: 43 Resp: 478911
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.571 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 95 Resp: 258749
Ion Ratio Lower Upper
95 100
174 77.7 0.0 144.8
176 74.4 0.0 140.0

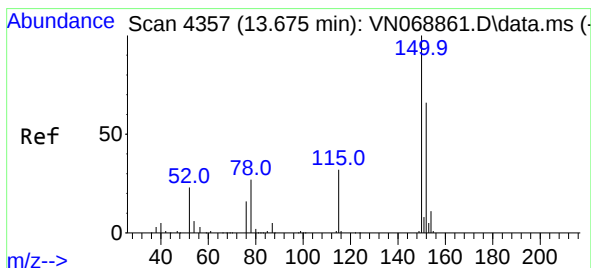
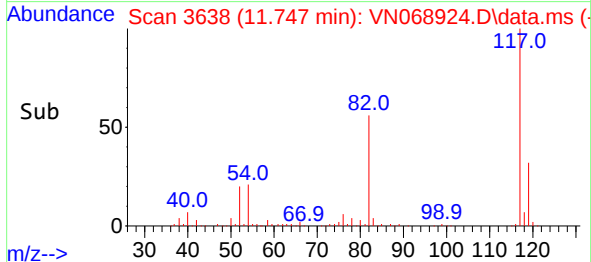
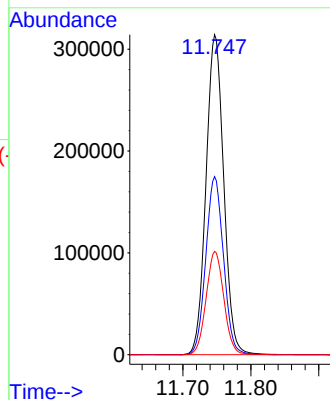
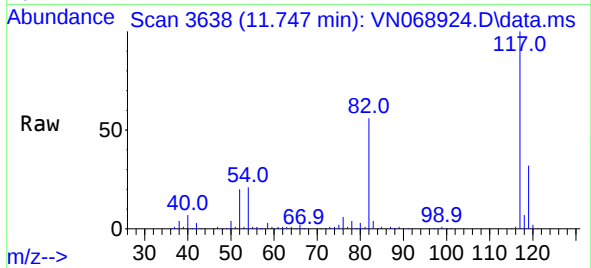




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

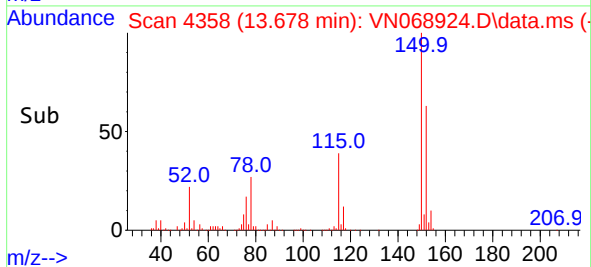
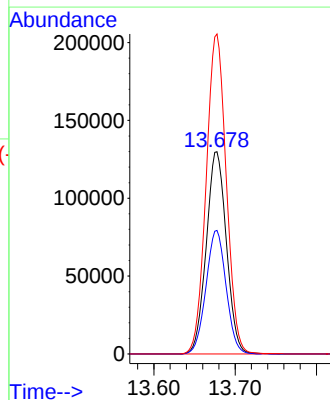
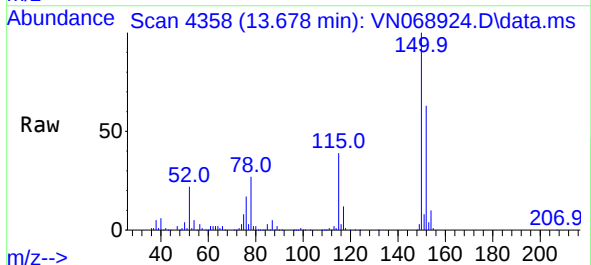
Instrument :
MSVOA_N
ClientSampled :

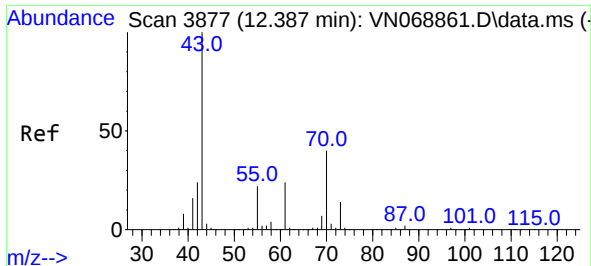
Tgt Ion:117 Resp: 569523
Ion Ratio Lower Upper
117 100
82 55.7 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion:152 Resp: 223743
Ion Ratio Lower Upper
152 100
115 60.9 31.4 94.3
150 157.7 0.0 351.0



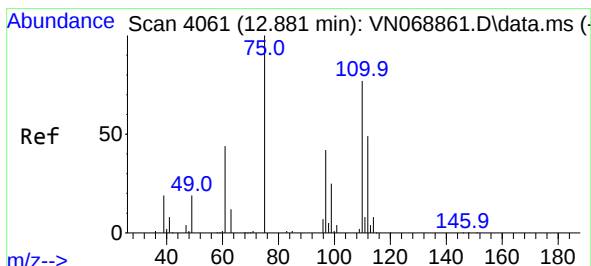
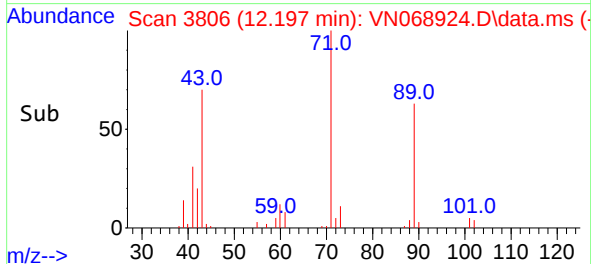
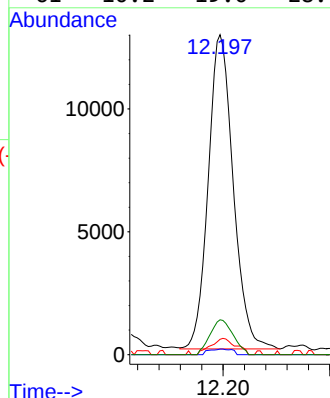
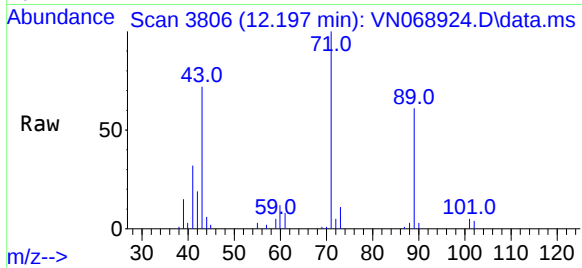


#74
N-amy1 acetate
Concen: 2.945 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 20782

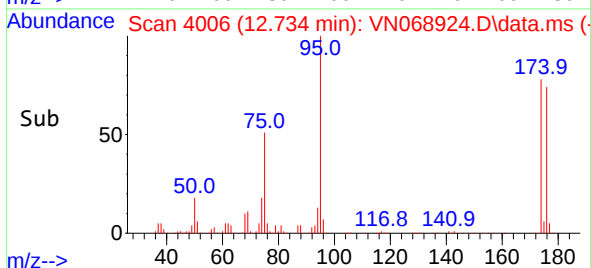
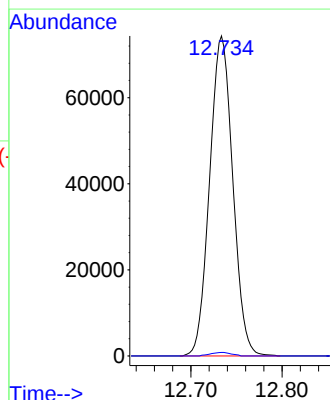
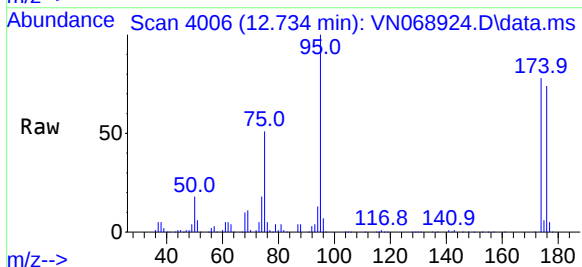
Ion	Ratio	Lower	Upper
43	100		
70	1.7	32.2	48.2#
55	5.2	18.0	27.0#
61	10.2	19.0	28.4#

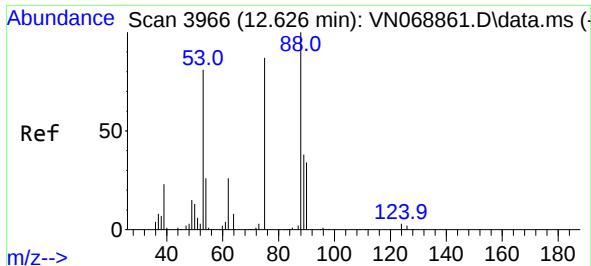


#76
1,2,3-Trichloropropane
Concen: 27.562 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion: 75 Resp: 131211

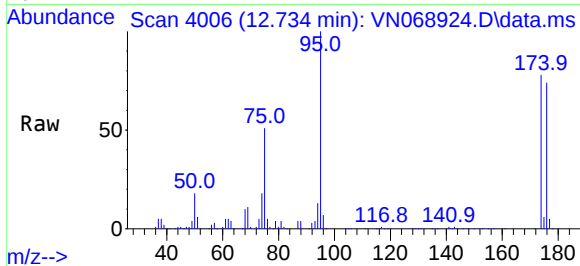
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#



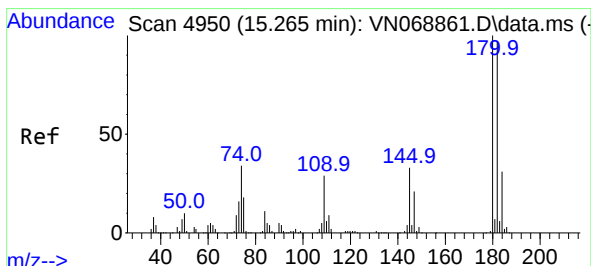
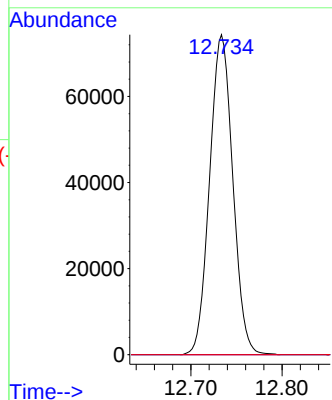
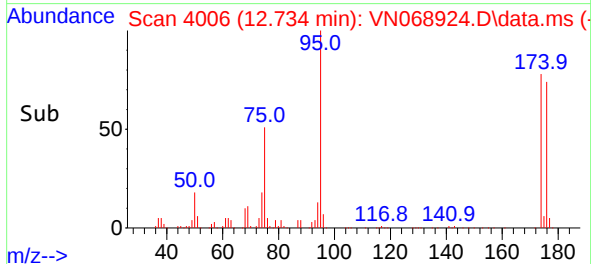


#81
trans-1,4-Dichloro-2-butene
Concen: 65.940 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

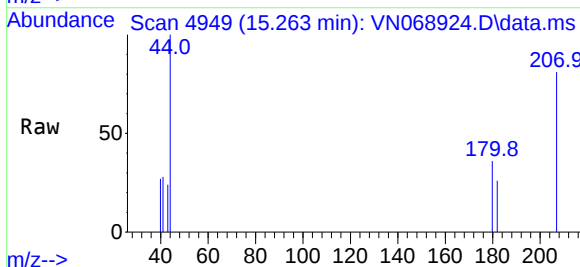
Instrument :
MSVOA_N
ClientSampled :



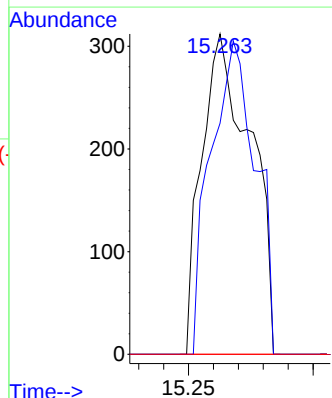
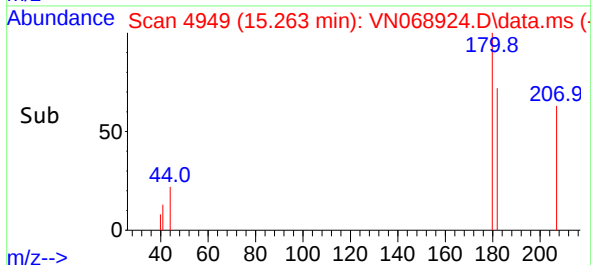
Tgt Ion: 75 Resp: 131211
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

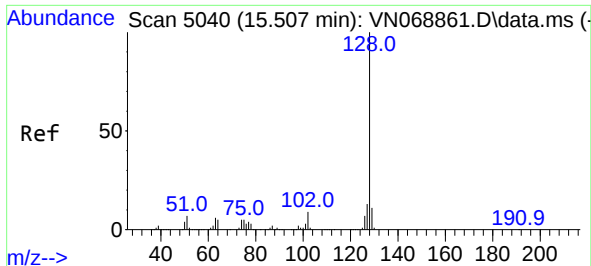


#93
1,2,4-Trichlorobenzene
Concen: 2.709 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00



Tgt Ion:180 Resp: 425
Ion Ratio Lower Upper
180 100
182 90.1 47.9 143.7
145 0.0 16.4 49.2#

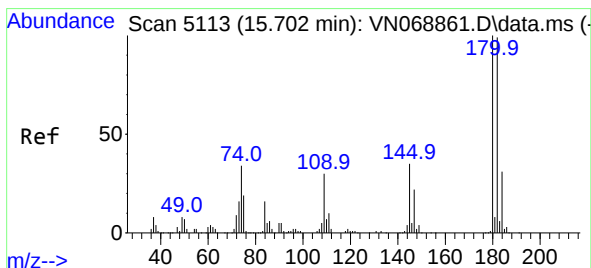
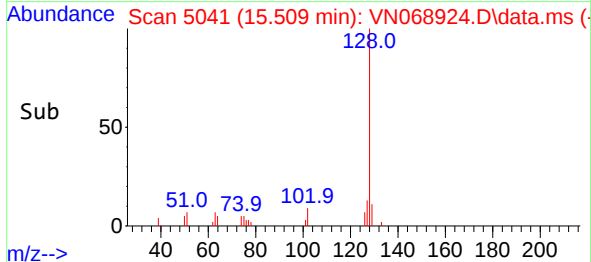
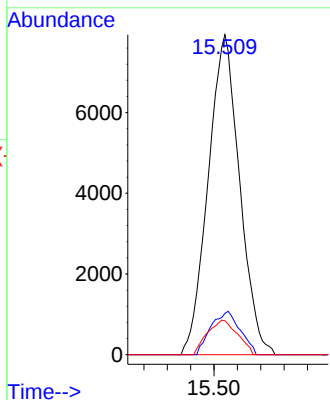
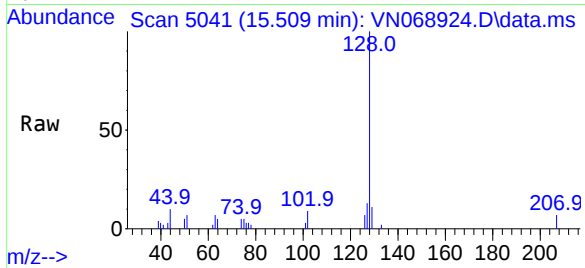




#95
Naphthalene
Concen: 5.131 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	14827
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.3	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 2.622 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068924.D
Acq: 14 Oct 2021 15:00

Tgt Ion:	180	Resp:	406
Ion Ratio	Lower	Upper	
180	100		
182	87.4	48.1	144.3
145	0.0	17.4	52.2#

