

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068868.D
 Acq On : 12 Oct 2021 17:33
 Operator : JC/MD
 Sample : VN1012WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 05:50:03 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)

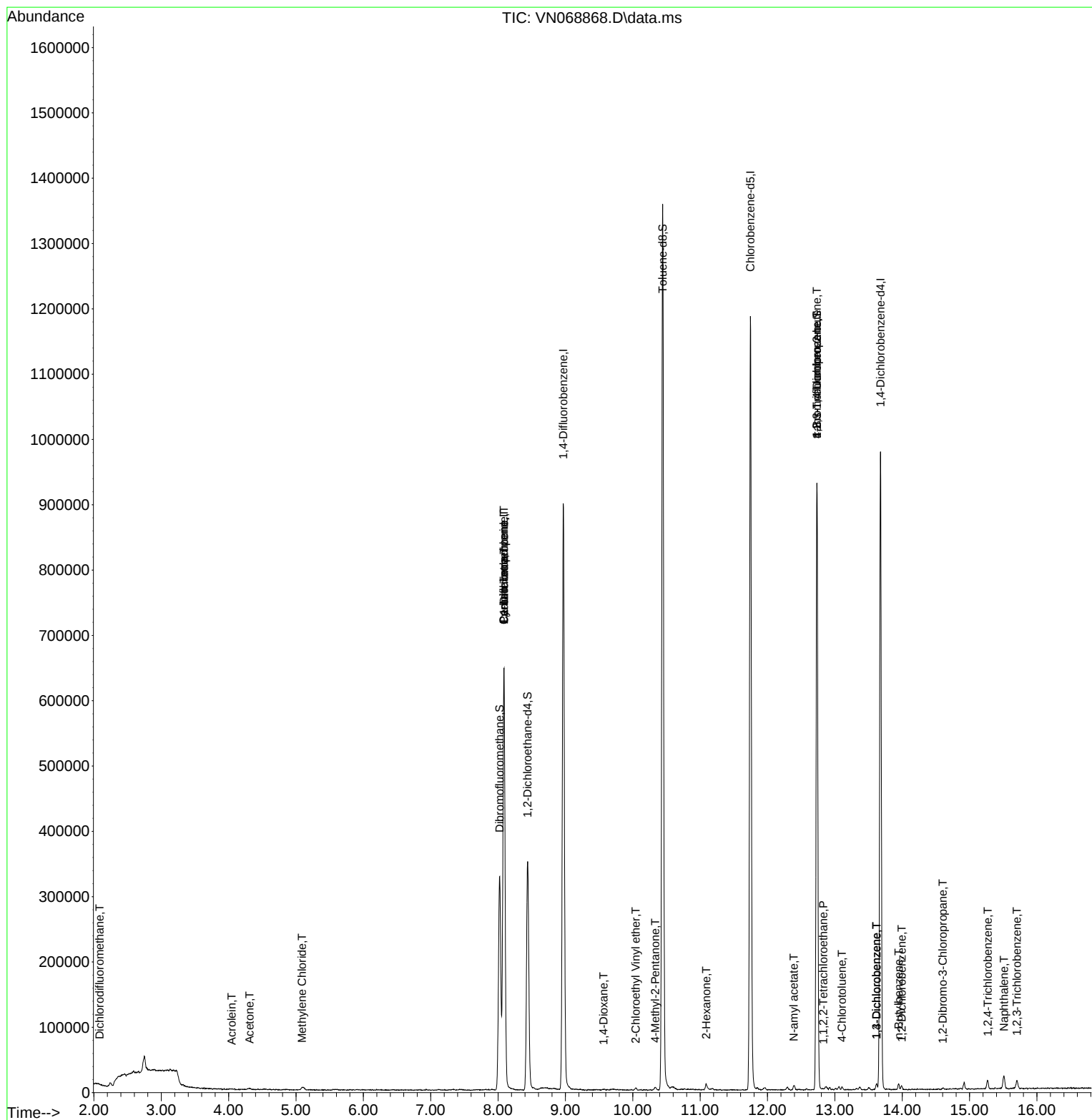
Internal Standards						
1) Pentafluorobenzene	8.088	168	490631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	806972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	706198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	260239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	301237	46.568	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.140%		
35) Dibromofluoromethane	8.021	113	244582	52.094	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.180%		
50) Toluene-d8	10.443	98	979552	52.144	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.280%		
62) 4-Bromofluorobenzene	12.734	95	341551	48.190	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.380%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.084	85	83	1.257	ug/l #	42
13) Acrolein	4.044	56	251	0.480	ug/l #	82
16) Acetone	4.312	43	2933	1.215	ug/l #	78
20) Methylene Chloride	5.090	84	1972	0.355	ug/l #	78
31) Cyclohexane	8.086	56	11493	1.143	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	39404	5.717	ug/l #	50
38) Carbon Tetrachloride	8.086	117	50169	6.627	ug/l #	16
49) 1,4-Dioxane	9.566	88	24	35.835	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	2918	0.401	ug/l #	79
58) 2-Chloroethyl Vinyl ether	10.044	63	1550	19.303	ug/l	94
59) 2-Hexanone	11.090	43	7624	1.460	ug/l	98
74) N-amyl acetate	12.390	43	4670	0.569	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.830	83	1319	0.211	ug/l #	93
76) 1,2,3-Trichloropropane	12.734	75	176374	31.853	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	176374	76.206	ug/l #	12
82) 4-Chlorotoluene	13.106	91	3006	0.207	ug/l	96
87) 1,3-Dichlorobenzene	13.619	146	2273	0.274	ug/l	94
88) 1,4-Dichlorobenzene	13.619	146	2273	0.276	ug/l	93
89) n-Butylbenzene	13.949	91	5134	0.353	ug/l	97
91) 1,2-Dichlorobenzene	13.994	146	2283	0.284	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.603	75	453	0.375	ug/l	82
93) 1,2,4-Trichlorobenzene	15.271	180	4528	3.584	ug/l	95
95) Naphthalene	15.509	128	20959	5.415	ug/l	98
96) 1,2,3-Trichlorobenzene	15.703	180	5368	3.740	ug/l	99

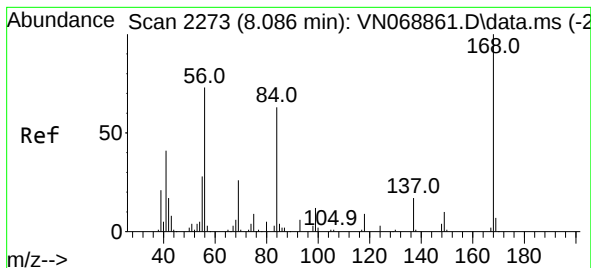
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
Data File : VN068868.D
Acq On : 12 Oct 2021 17:33
Operator : JC/MD
Sample : VN1012WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 13 05:50:03 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: VN068868.D

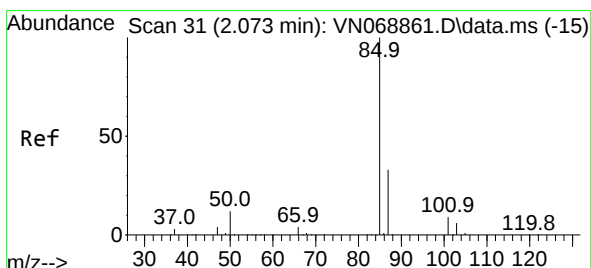
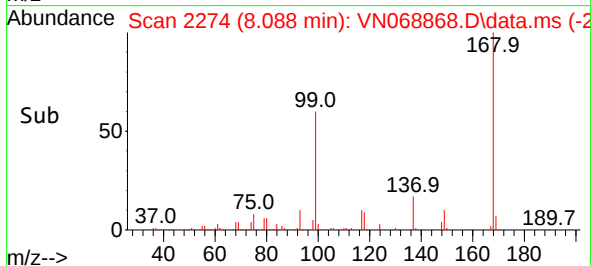
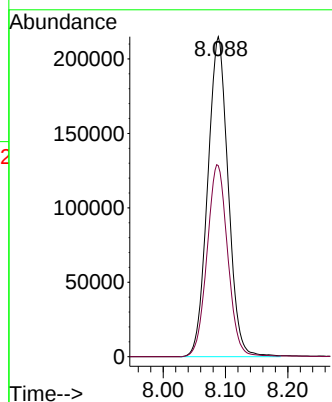
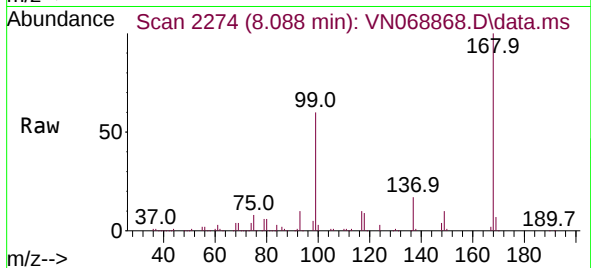
Acq: 12 Oct 2021 17:33

Tgt Ion:168 Resp: 490631

Ion Ratio Lower Upper

168 100

99 59.7 48.9 73.3



#2

Dichlorodifluoromethane

Concen: 1.257 ug/l

RT: 2.084 min Scan# 35

Delta R.T. 0.011 min

Lab File: VN068868.D

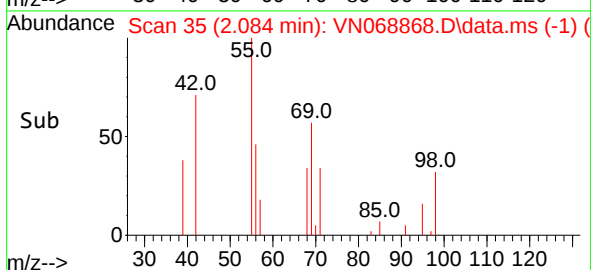
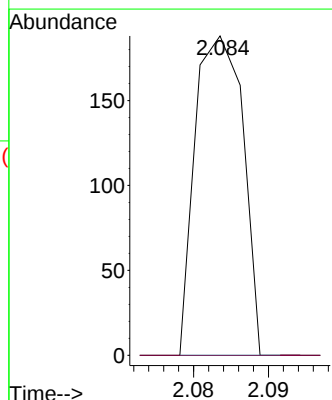
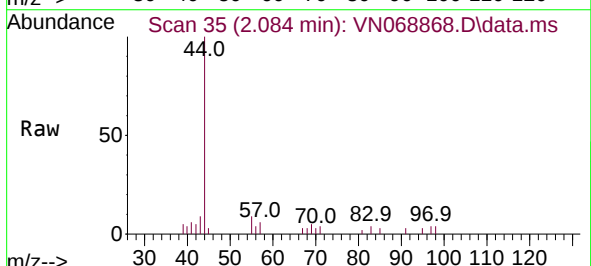
Acq: 12 Oct 2021 17:33

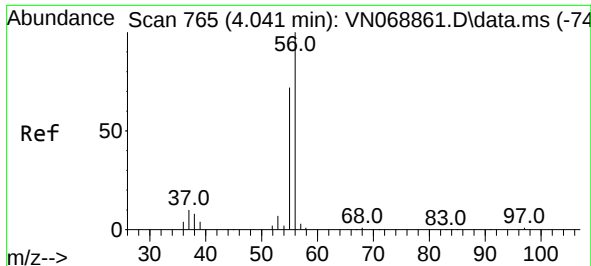
Tgt Ion: 85 Resp: 83

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.8#

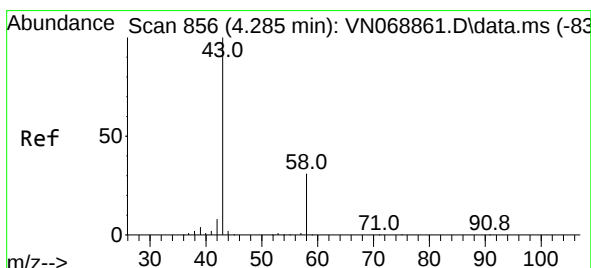
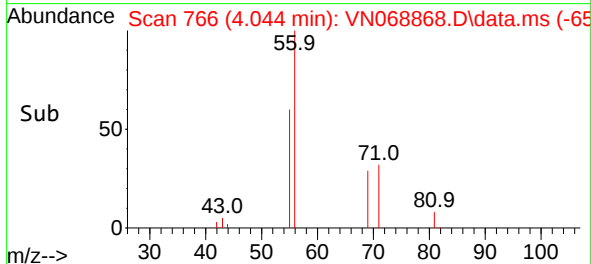
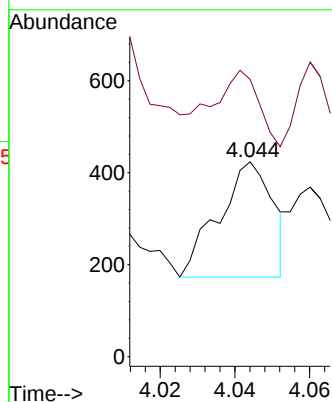
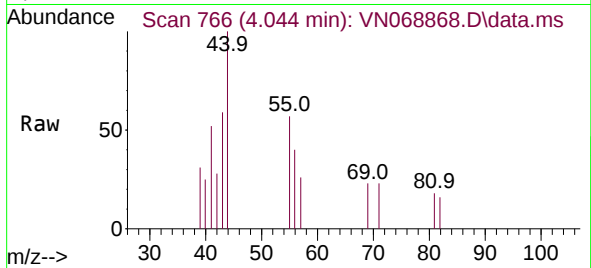




#13
Acrolein
Concen: 0.480 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

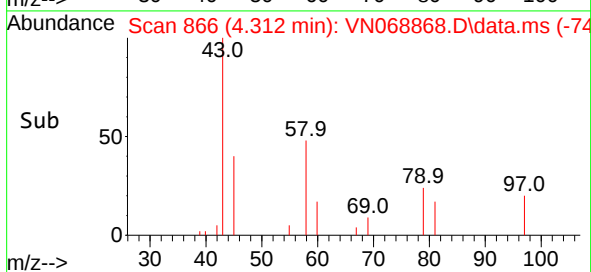
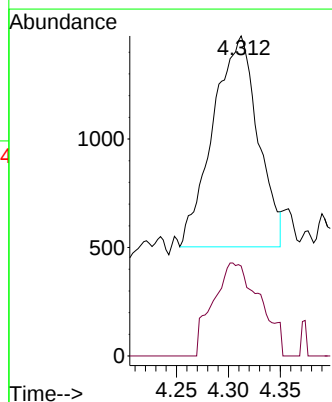
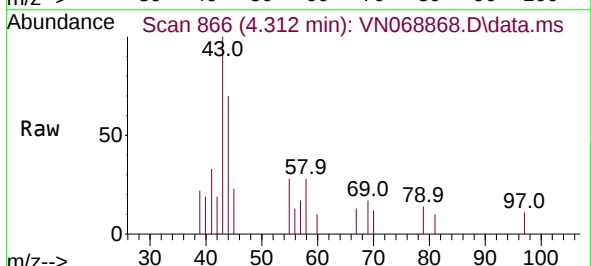
Instrument :
MSVOA_N
ClientSampled :

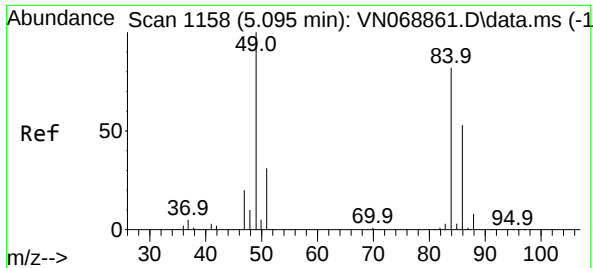
Tgt Ion: 56 Resp: 251
Ion Ratio Lower Upper
56 100
55 57.4 58.1 87.1#



#16
Acetone
Concen: 1.215 ug/l
RT: 4.312 min Scan# 866
Delta R.T. 0.027 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

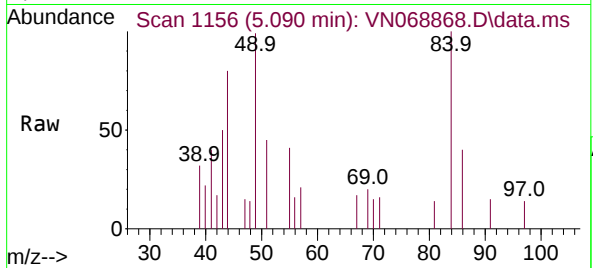
Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
58 42.7 24.5 36.7#





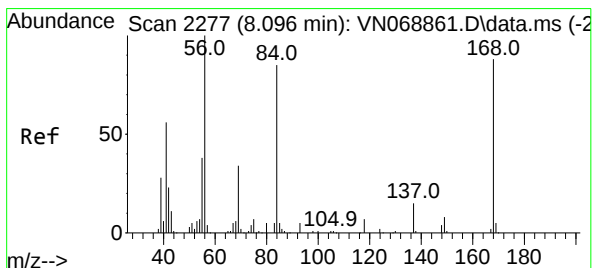
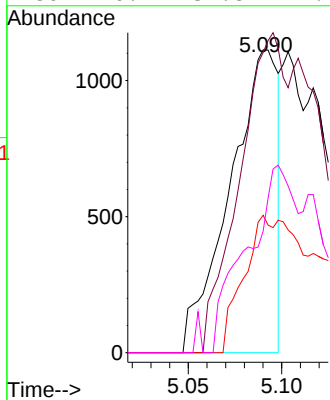
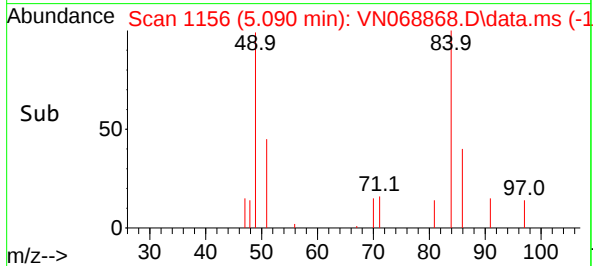
#20
Methylene Chloride
Concen: 0.355 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Instrument :
MSVOA_N
ClientSampled :

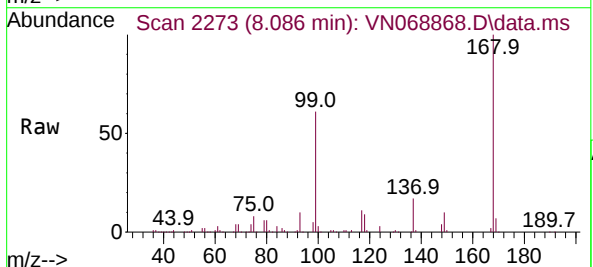


Tgt Ion: 84 Resp: 1972

Ion	Ratio	Lower	Upper
84	100		
49	99.2	97.6	146.4
51	45.4	30.3	45.5
86	40.2	51.8	77.6#

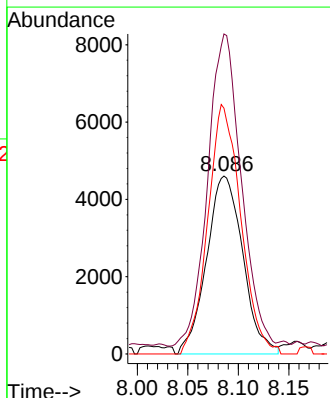
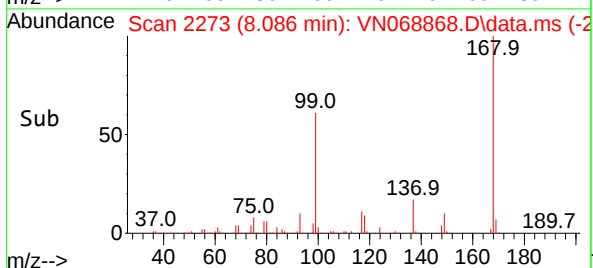


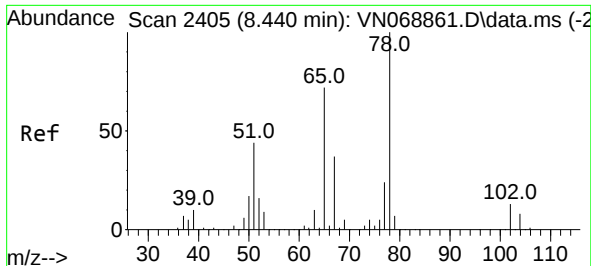
#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33



Tgt Ion: 56 Resp: 11493

Ion	Ratio	Lower	Upper
56	100		
69	173.3	26.9	40.3#
84	138.0	67.6	101.4#



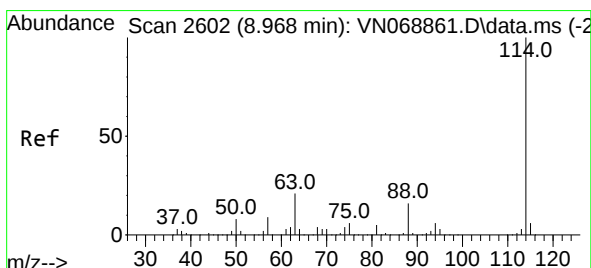
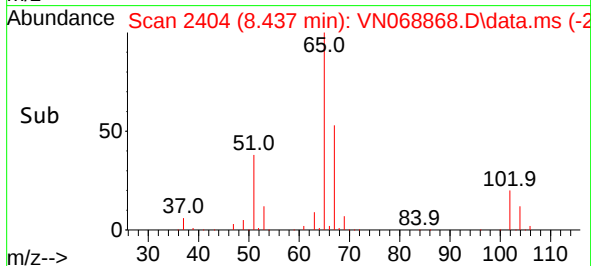
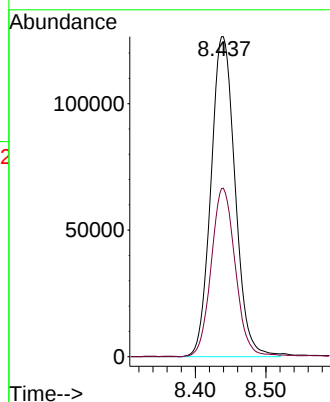
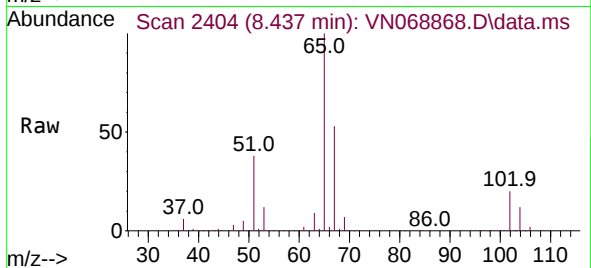


#33

1,2-Dichloroethane-d4
Concen: 46.568 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.002 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Instrument :
MSVOA_N
ClientSampled :

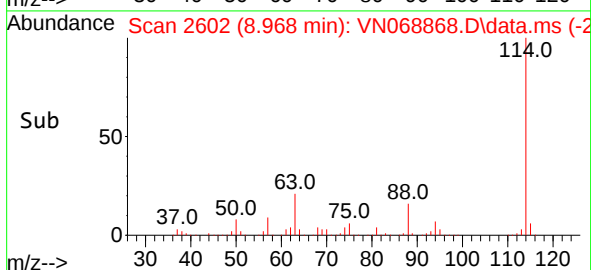
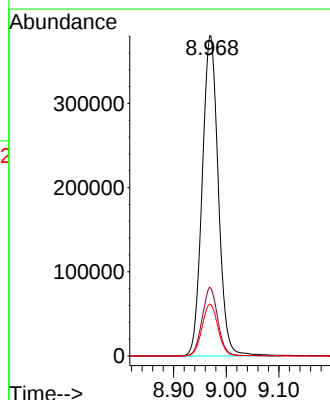
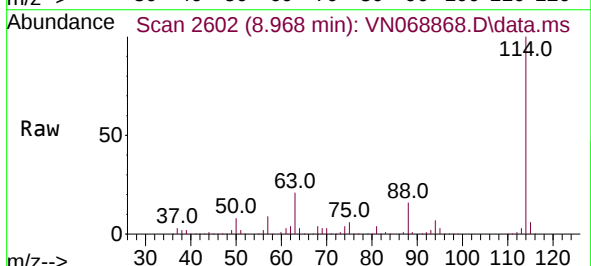
Tgt Ion: 65 Resp: 301237
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.8

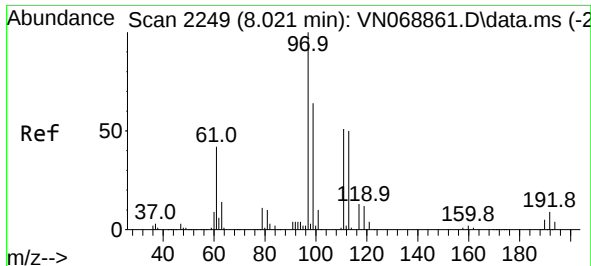


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 114 Resp: 806972
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.6
88 16.2 0.0 32.0

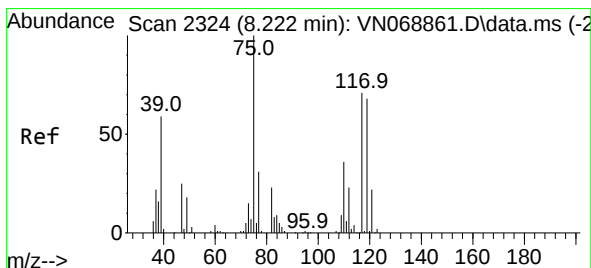
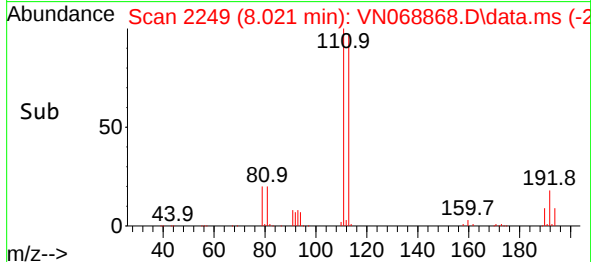
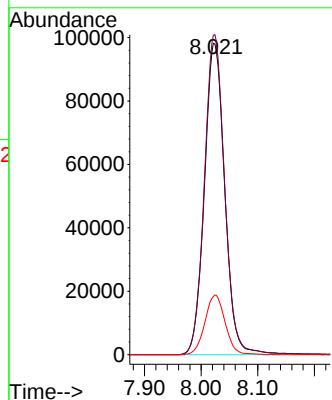
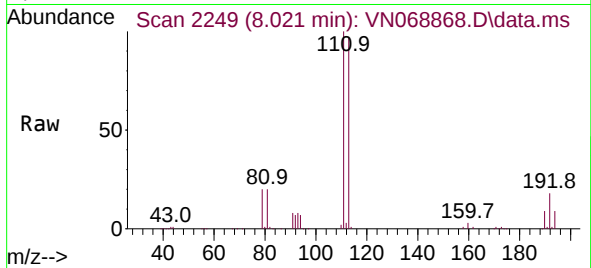




#35
Dibromofluoromethane
Concen: 52.094 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

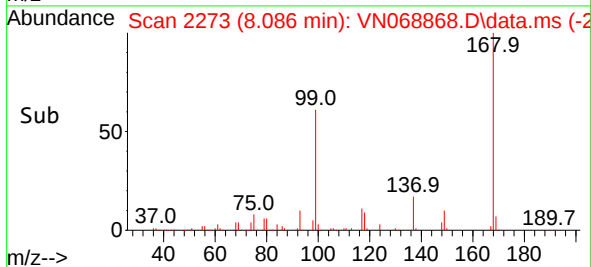
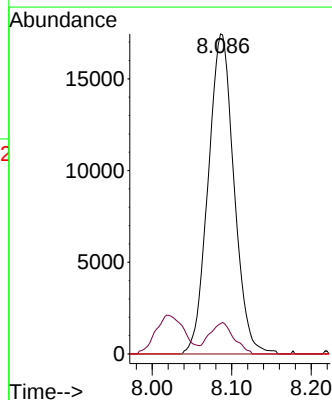
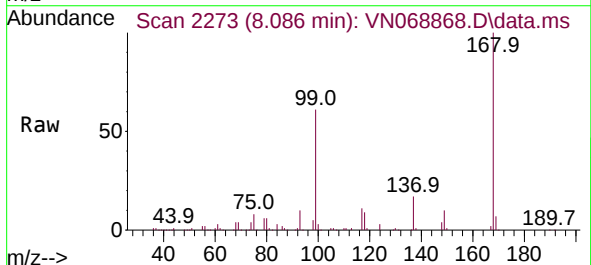
Instrument :
MSVOA_N
ClientSampled :

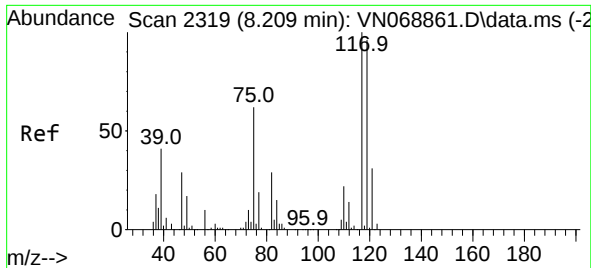
Tgt Ion:113 Resp: 244582
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 19.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.717 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

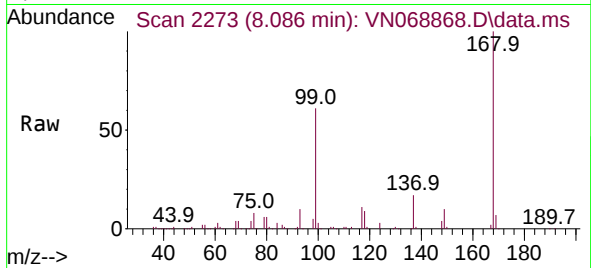
Tgt Ion: 75 Resp: 39404
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#



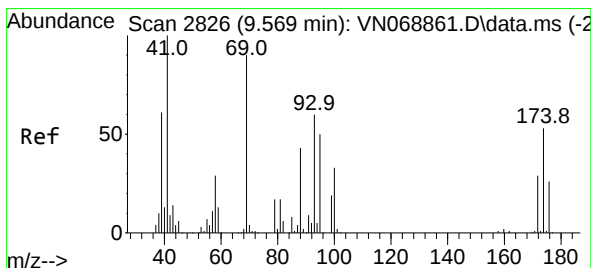
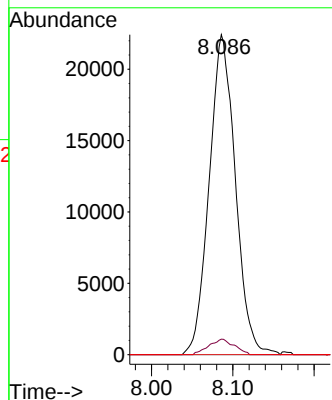
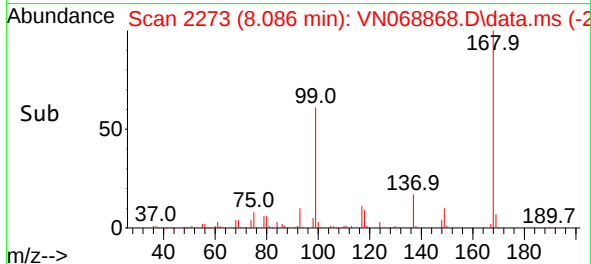


#38
Carbon Tetrachloride
Concen: 6.627 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

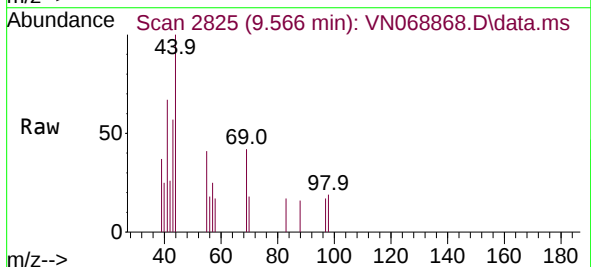
Instrument :
MSVOA_N
ClientSampled :



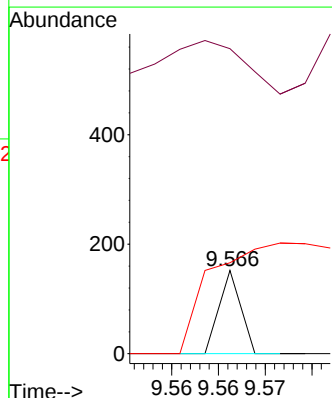
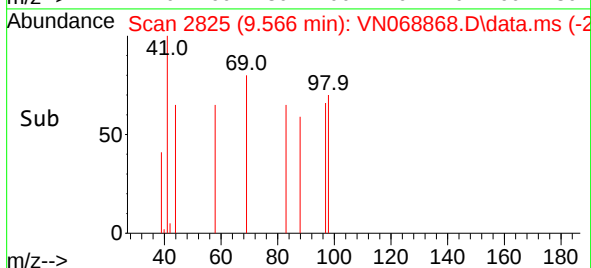
Tgt Ion:117 Resp: 50169
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#

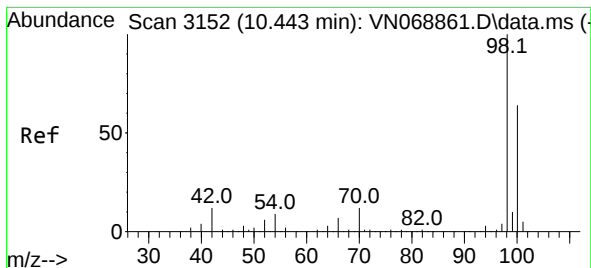


#49
1,4-Dioxane
Concen: 35.835 ug/l
RT: 9.566 min Scan# 2825
Delta R.T. -0.003 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33



Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 454.2 24.9 37.3#
58 854.2 56.9 85.3#

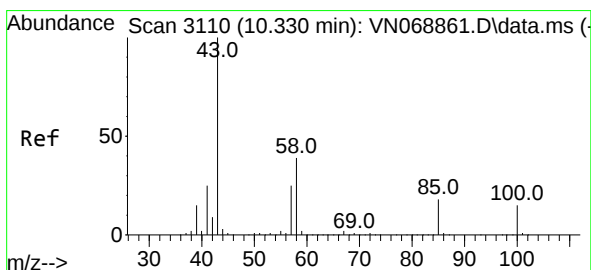
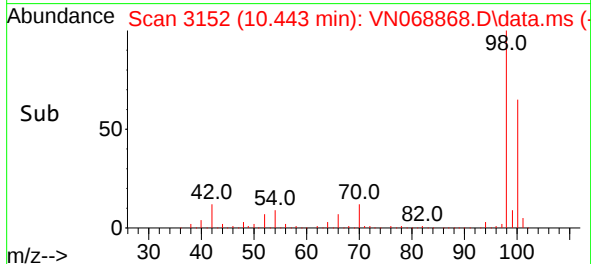
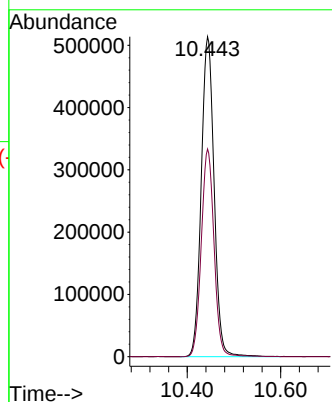
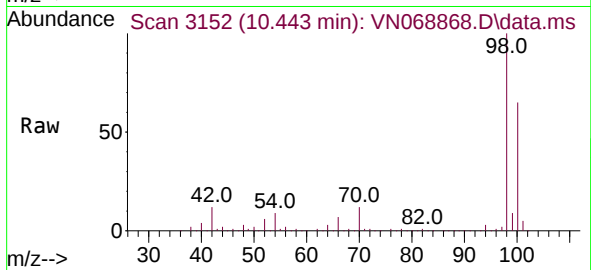




#50
Toluene-d8
Concen: 52.144 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

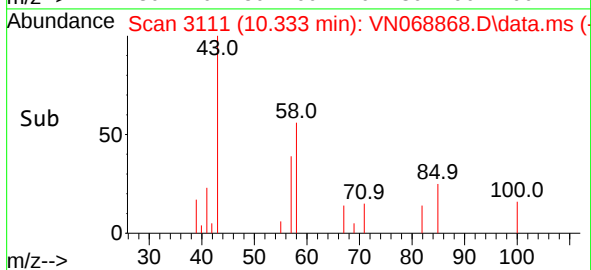
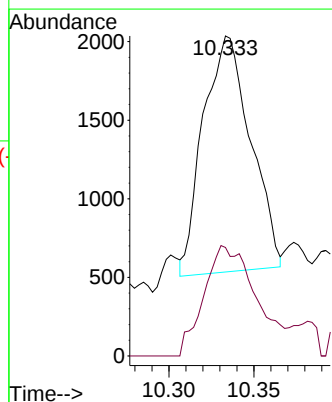
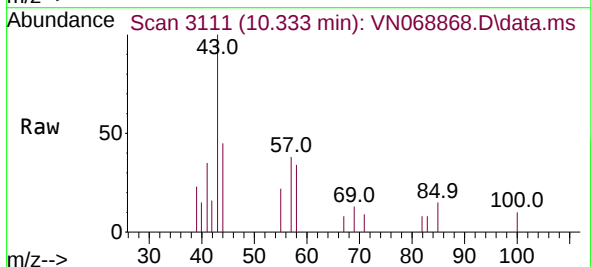
Instrument :
MSVOA_N
ClientSampled :

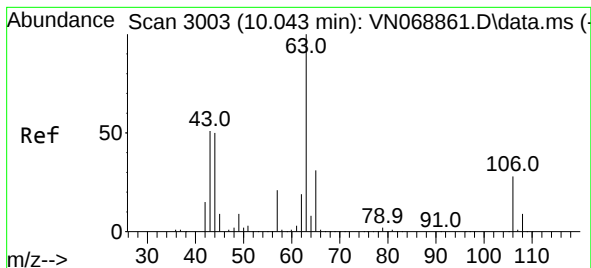
Tgt Ion: 98 Resp: 979552
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.401 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 43 Resp: 2918
Ion Ratio Lower Upper
43 100
58 51.2 31.0 46.4#

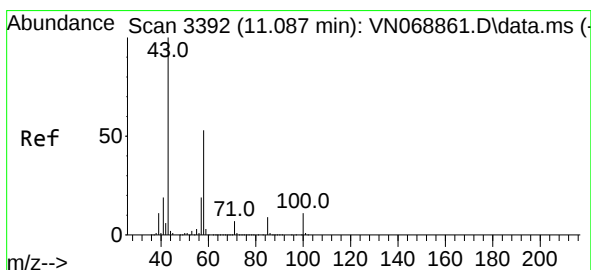
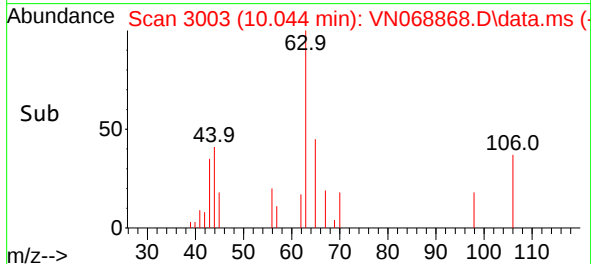
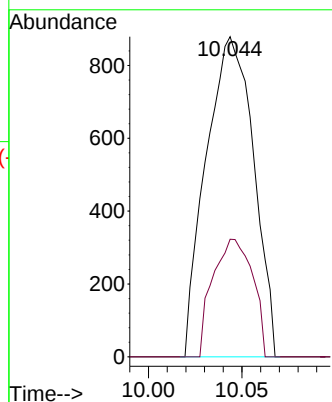
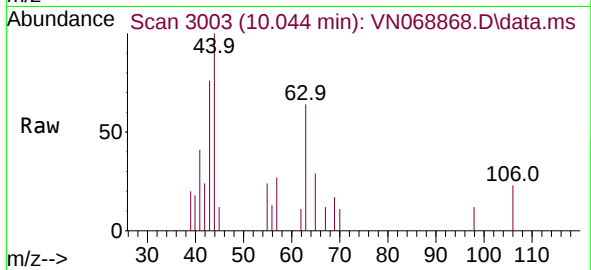




#58
2-Chloroethyl Vinyl ether
Concen: 19.303 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.001 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

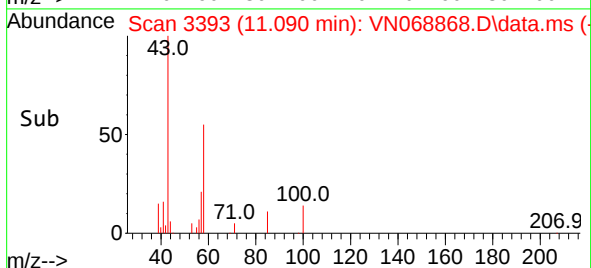
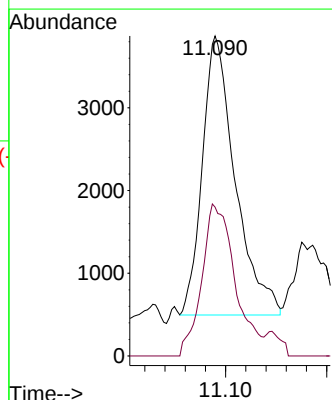
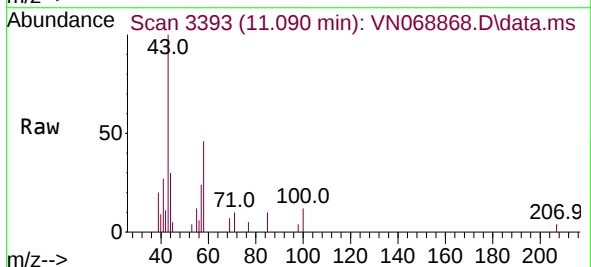
Instrument :
MSVOA_N
ClientSampled :

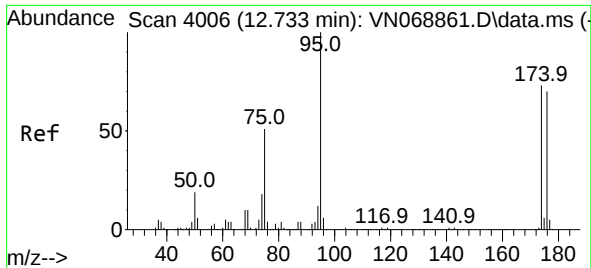
Tgt Ion: 63 Resp: 1550
Ion Ratio Lower Upper
63 100
106 30.8 22.2 33.2



#59
2-Hexanone
Concen: 1.460 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 43 Resp: 7624
Ion Ratio Lower Upper
43 100
58 55.3 26.9 80.7

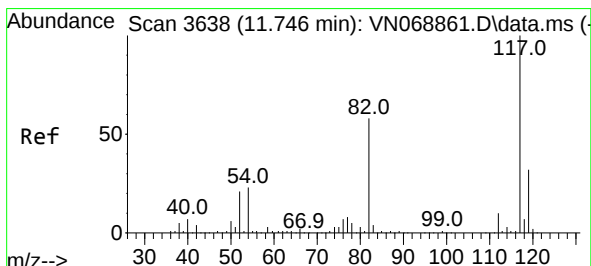
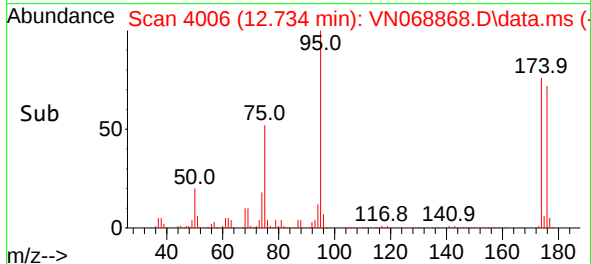
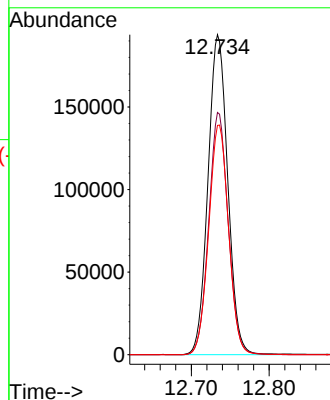
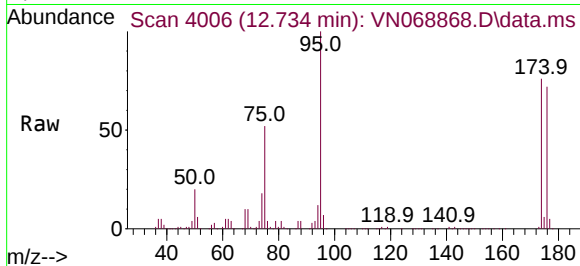




#62
4-Bromofluorobenzene
Concen: 48.190 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

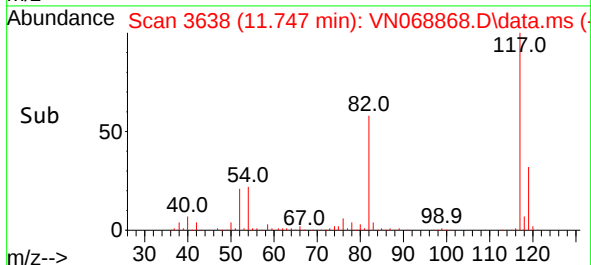
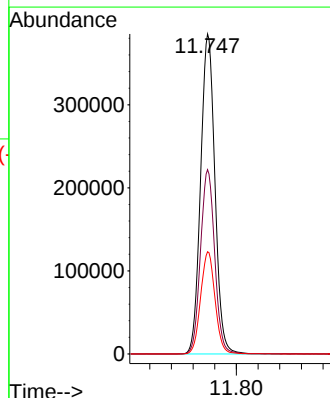
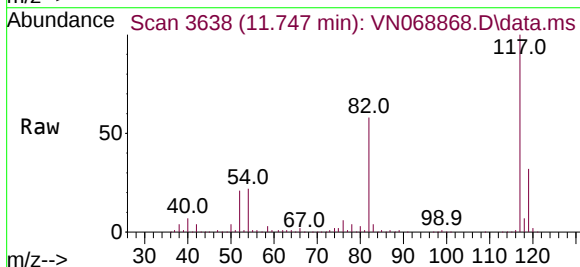
Instrument :
MSVOA_N
ClientSampled :

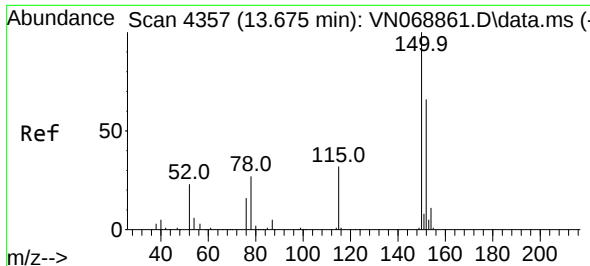
Tgt Ion: 95 Resp: 341551
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.8
176 72.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 117 Resp: 706198
Ion Ratio Lower Upper
117 100
82 57.6 46.4 69.6
119 32.0 26.0 39.0

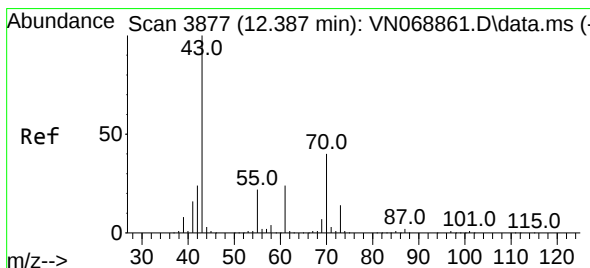
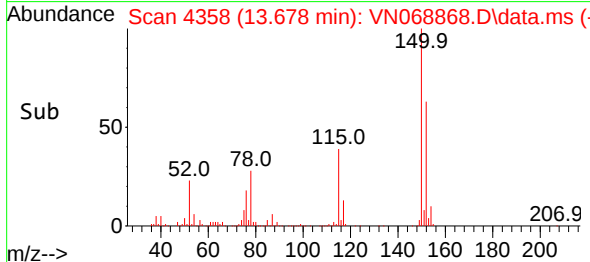
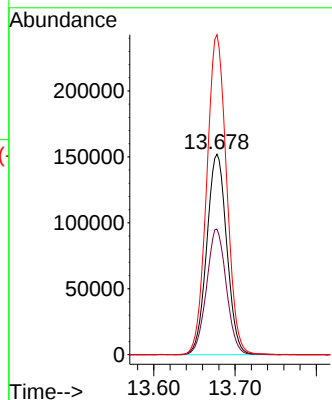
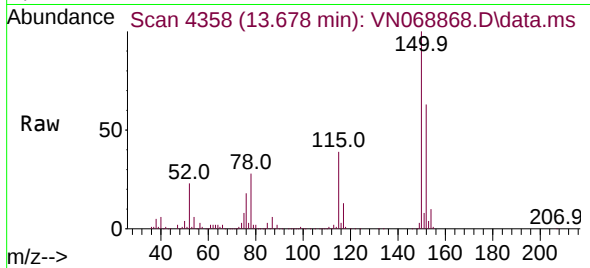




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

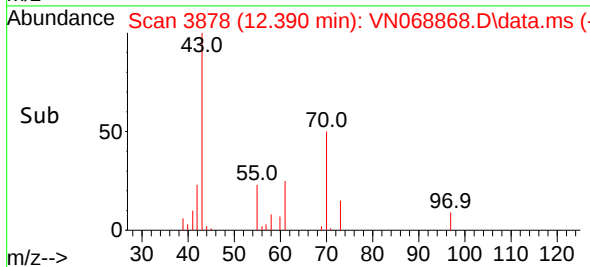
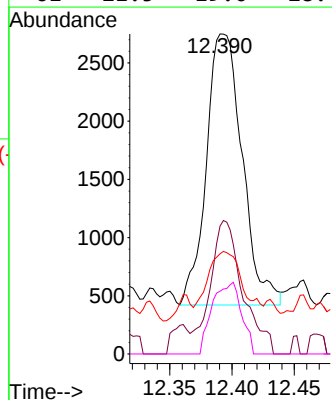
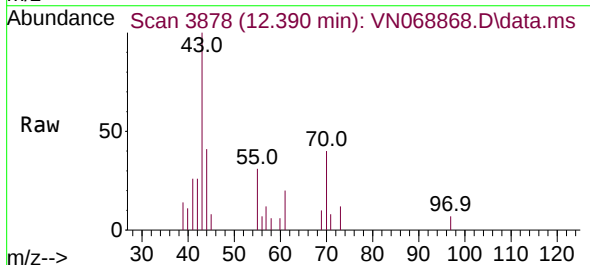
Instrument :
MSVOA_N
ClientSampled :

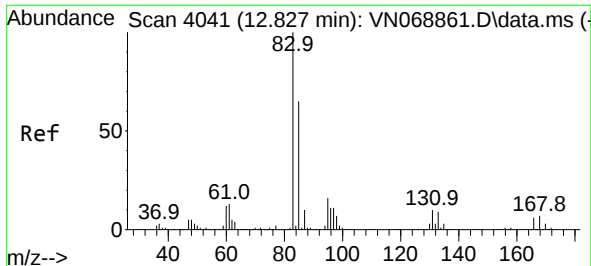
Tgt Ion:152 Resp: 260239
Ion Ratio Lower Upper
152 100
115 62.1 31.4 94.3
150 158.3 0.0 351.0



#74
N-ethyl acetate
Concen: 0.569 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 43 Resp: 4670
Ion Ratio Lower Upper
43 100
70 44.0 32.2 48.2
55 18.9 18.0 27.0
61 21.5 19.0 28.4

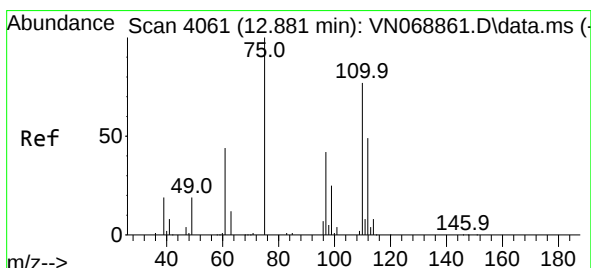
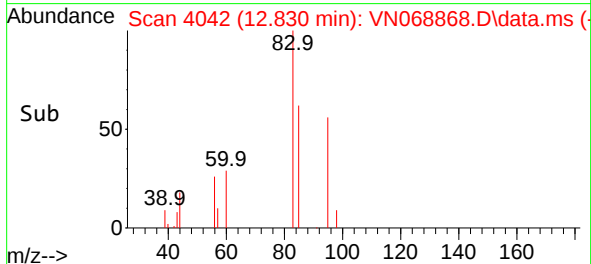
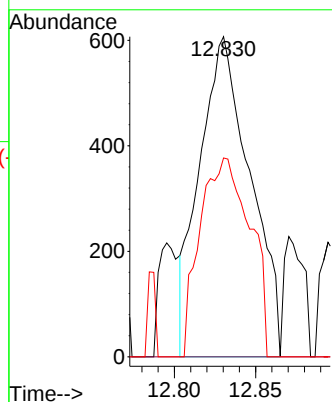
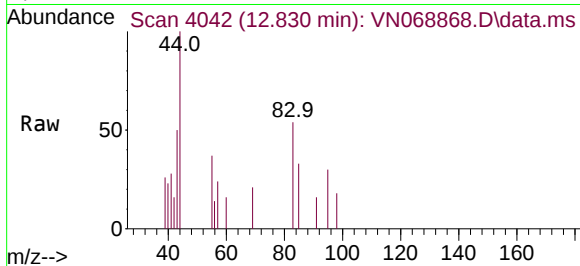




#75
1,1,2,2-Tetrachloroethane
Concen: 0.211 ug/l
RT: 12.830 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

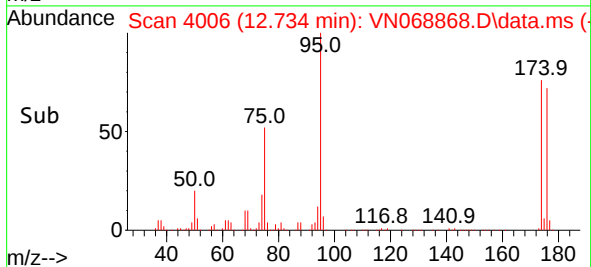
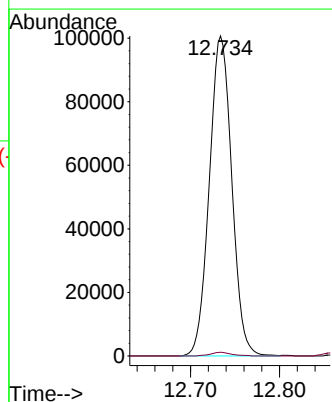
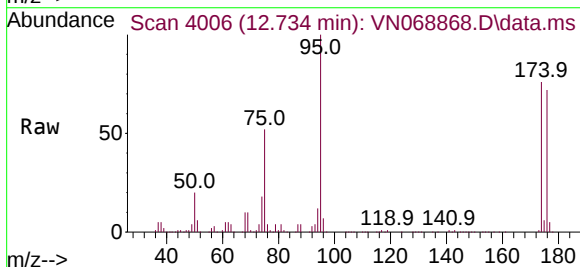
Instrument :
MSVOA_N
ClientSampled :

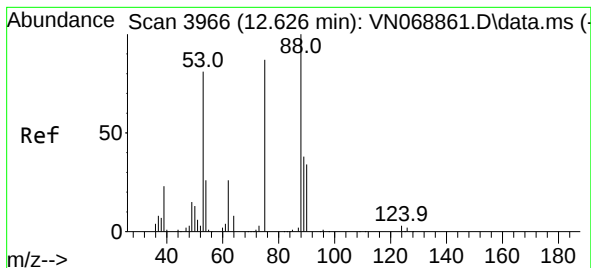
Tgt Ion: 83 Resp: 1319
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 61.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 31.853 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 75 Resp: 176374
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#

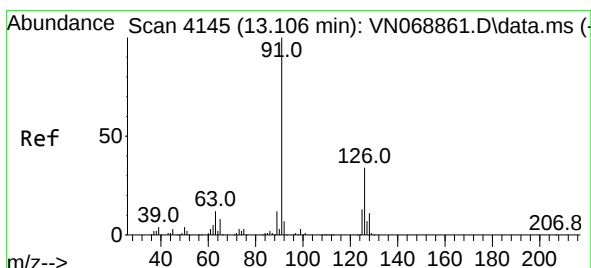
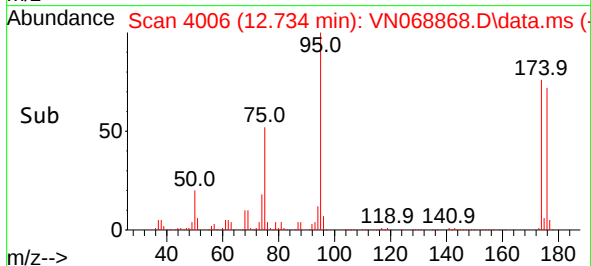
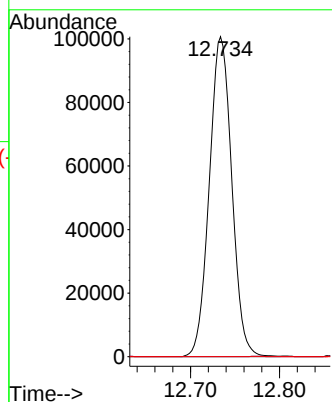
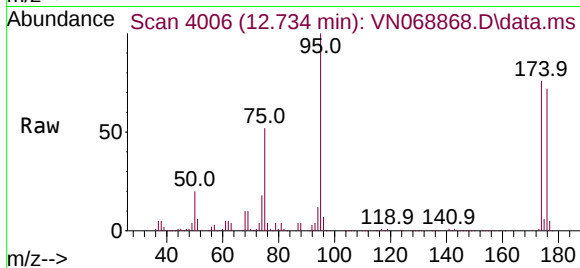




#81
trans-1,4-Dichloro-2-butene
Concen: 76.206 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

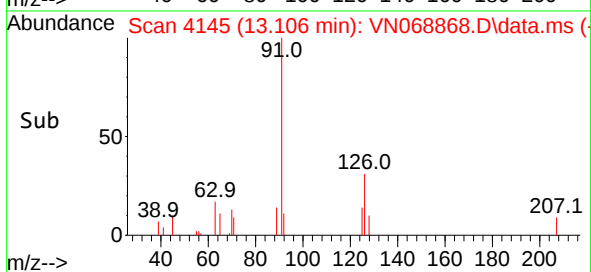
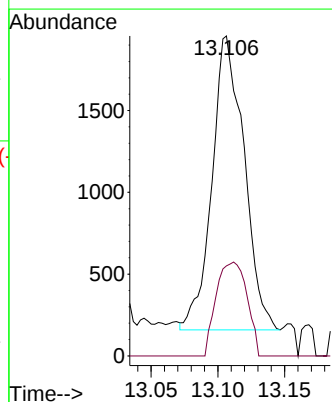
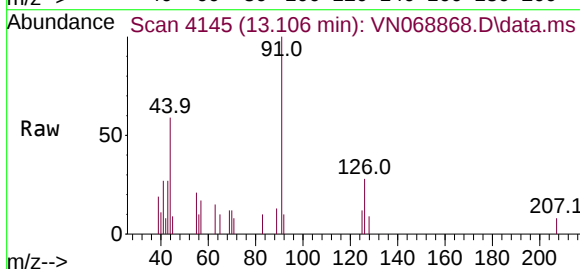
Instrument :
MSVOA_N
ClientSampleId :

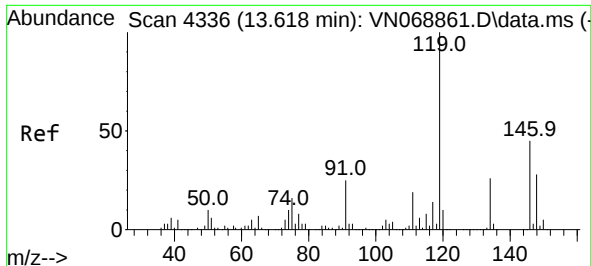
Tgt Ion: 75 Resp: 176374
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.207 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 91 Resp: 3006
Ion Ratio Lower Upper
91 100
126 30.5 16.3 48.8





#87

1,3-Dichlorobenzene

Concen: 0.274 ug/l

RT: 13.619 min Scan# 4336

Delta R.T. 0.000 min

Lab File: VN068868.D

Acq: 12 Oct 2021 17:33

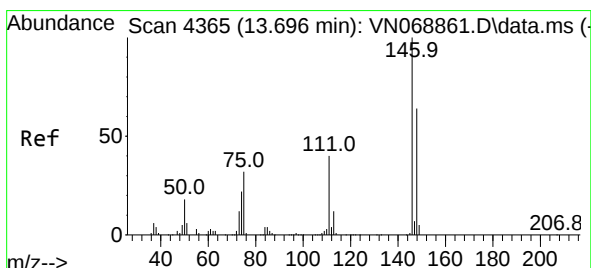
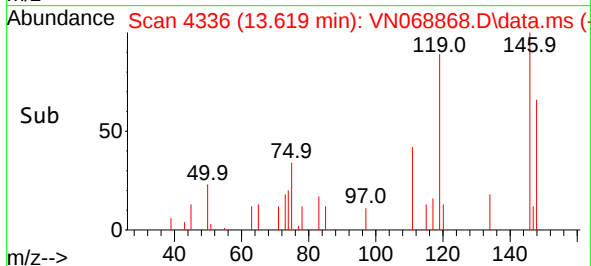
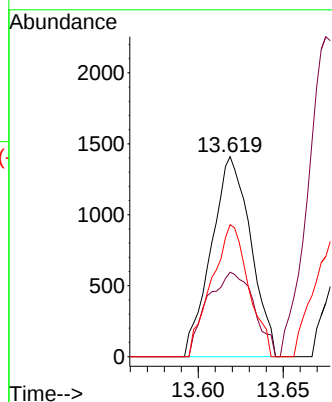
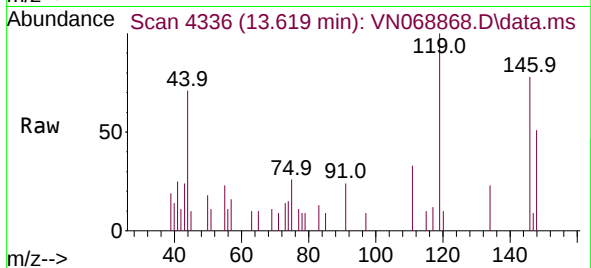
Tgt Ion:146 Resp: 2273

Ion Ratio Lower Upper

146 100

111 49.6 21.4 64.2

148 62.0 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.276 ug/l

RT: 13.619 min Scan# 4336

Delta R.T. -0.078 min

Lab File: VN068868.D

Acq: 12 Oct 2021 17:33

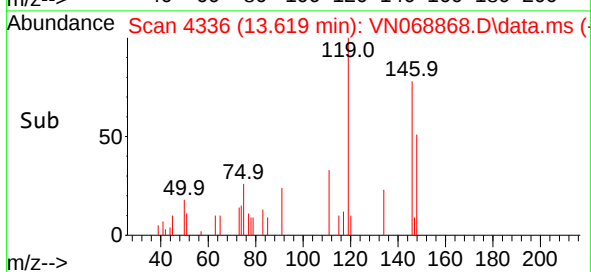
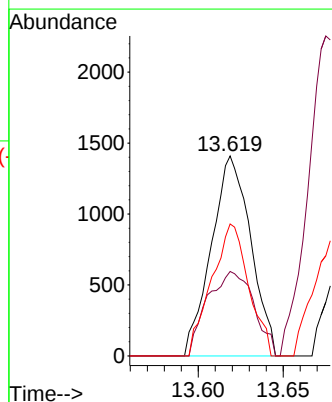
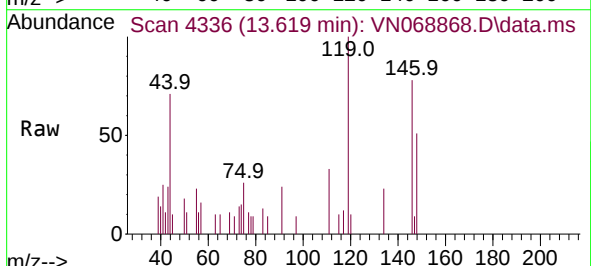
Tgt Ion:146 Resp: 2273

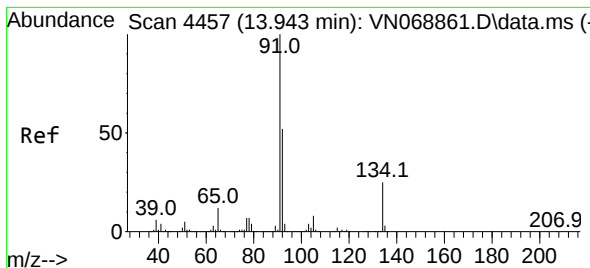
Ion Ratio Lower Upper

146 100

111 49.6 20.6 61.8

148 62.0 32.1 96.5

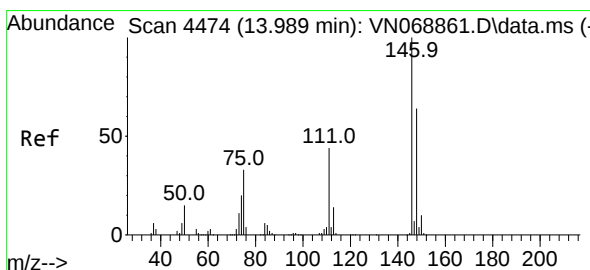
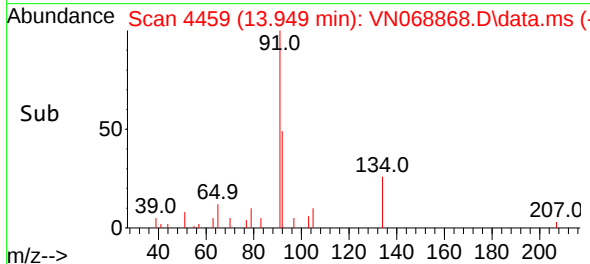
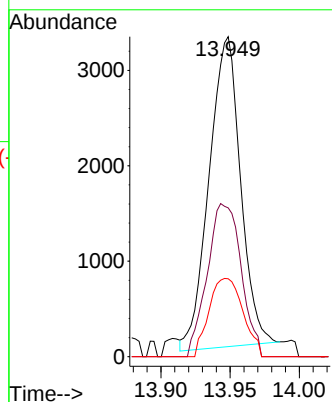
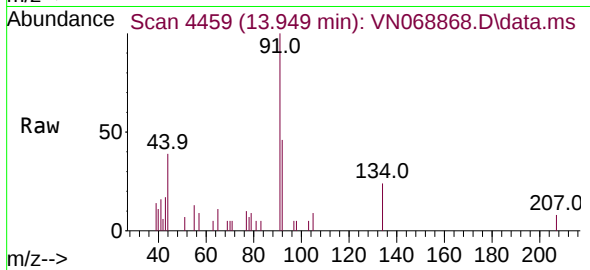




#89
n-Butylbenzene
Concen: 0.353 ug/l
RT: 13.949 min Scan# 4459
Delta R.T. 0.006 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

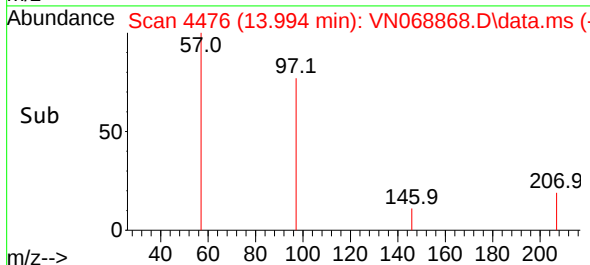
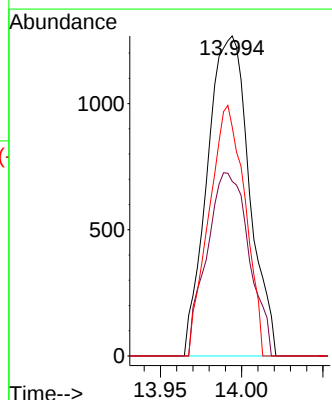
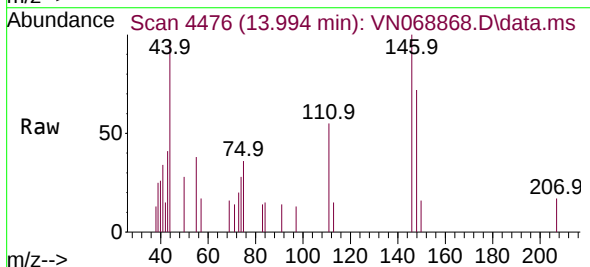
Instrument :
MSVOA_N
ClientSampled :

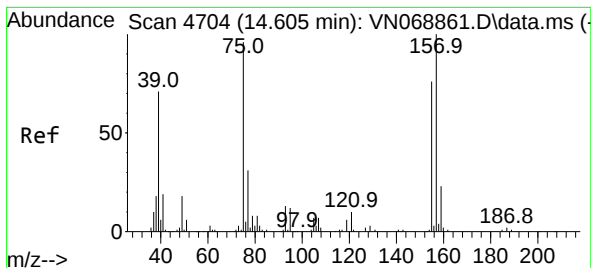
Tgt Ion: 91 Resp: 5134
Ion Ratio Lower Upper
91 100
92 53.1 26.0 78.0
134 27.3 12.5 37.5



#91
1,2-Dichlorobenzene
Concen: 0.284 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.006 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion: 146 Resp: 2283
Ion Ratio Lower Upper
146 100
111 57.4 22.0 66.0
148 67.0 32.1 96.5

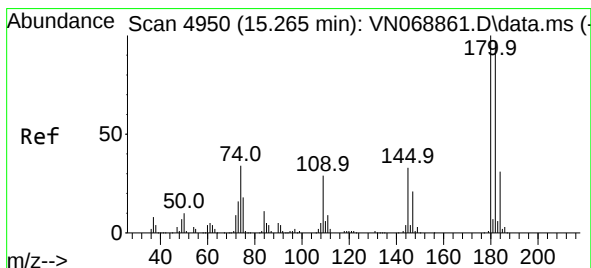
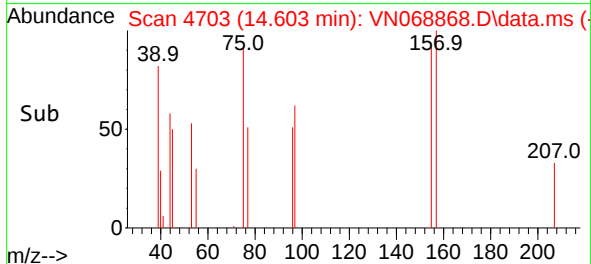
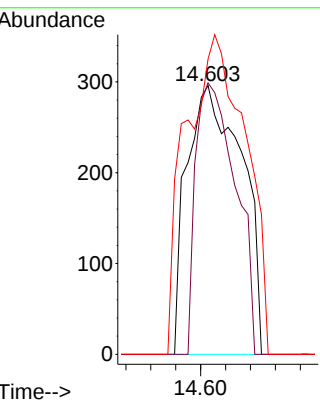
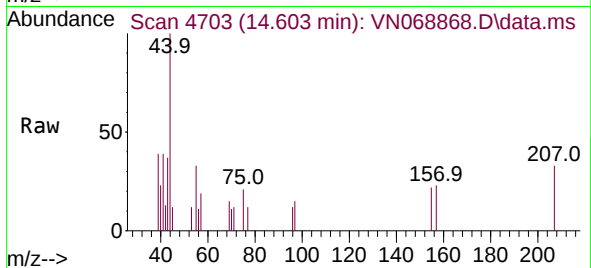




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.375 ug/l
 RT: 14.603 min Scan# 4703
 Delta R.T. -0.002 min
 Lab File: VN068868.D
 Acq: 12 Oct 2021 17:33

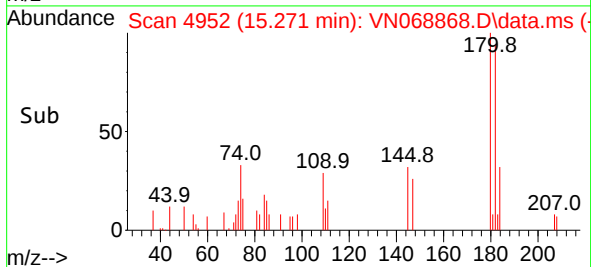
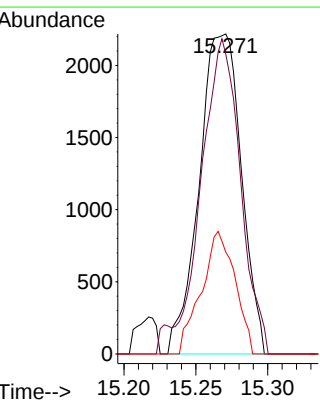
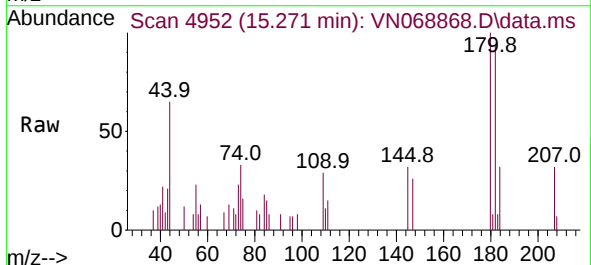
Instrument :
 MSVOA_N
 ClientSampled :

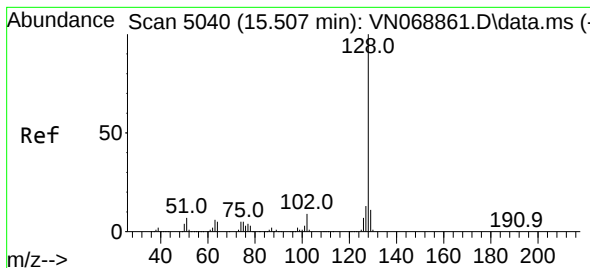
Tgt Ion: 75 Resp: 453
 Ion Ratio Lower Upper
 75 100
 155 73.3 38.8 116.4
 157 129.4 50.2 150.6



#93
 1,2,4-Trichlorobenzene
 Concen: 3.584 ug/l
 RT: 15.271 min Scan# 4952
 Delta R.T. 0.006 min
 Lab File: VN068868.D
 Acq: 12 Oct 2021 17:33

Tgt Ion: 180 Resp: 4528
 Ion Ratio Lower Upper
 180 100
 182 90.4 47.9 143.7
 145 30.5 16.4 49.2

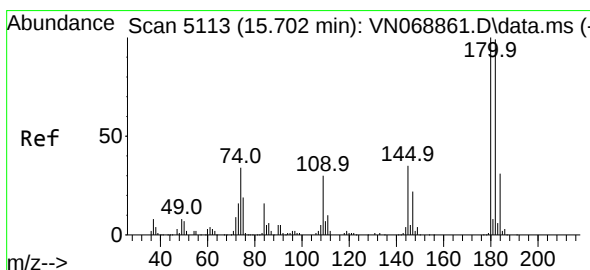
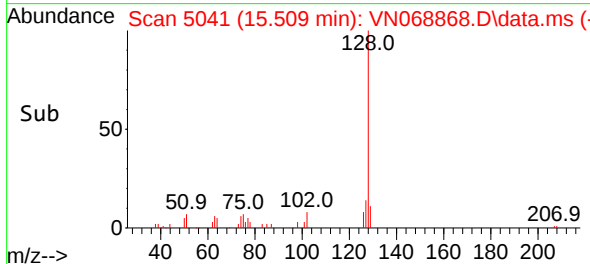
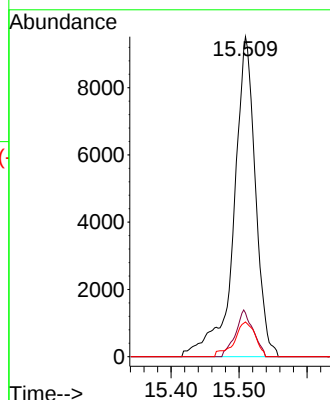
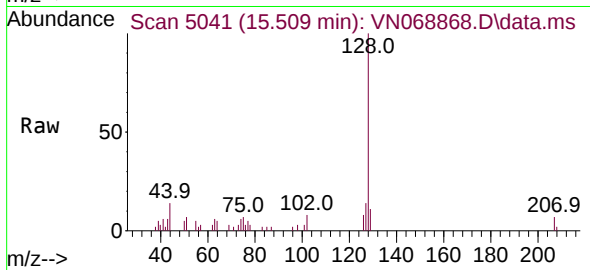




#95
Naphthalene
Concen: 5.415 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 20959
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 3.740 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN068868.D
Acq: 12 Oct 2021 17:33

Tgt Ion:180 Resp: 5368
Ion Ratio Lower Upper
180 100
182 94.4 48.1 144.3
145 34.5 17.4 52.2

