

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101321\
 Data File : VN068908.D
 Acq On : 13 Oct 2021 19:44
 Operator : JC/MD
 Sample : M4192-11 10X
 Misc : 5.57g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HAR-12

Quant Time: Oct 14 06:44:20 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)

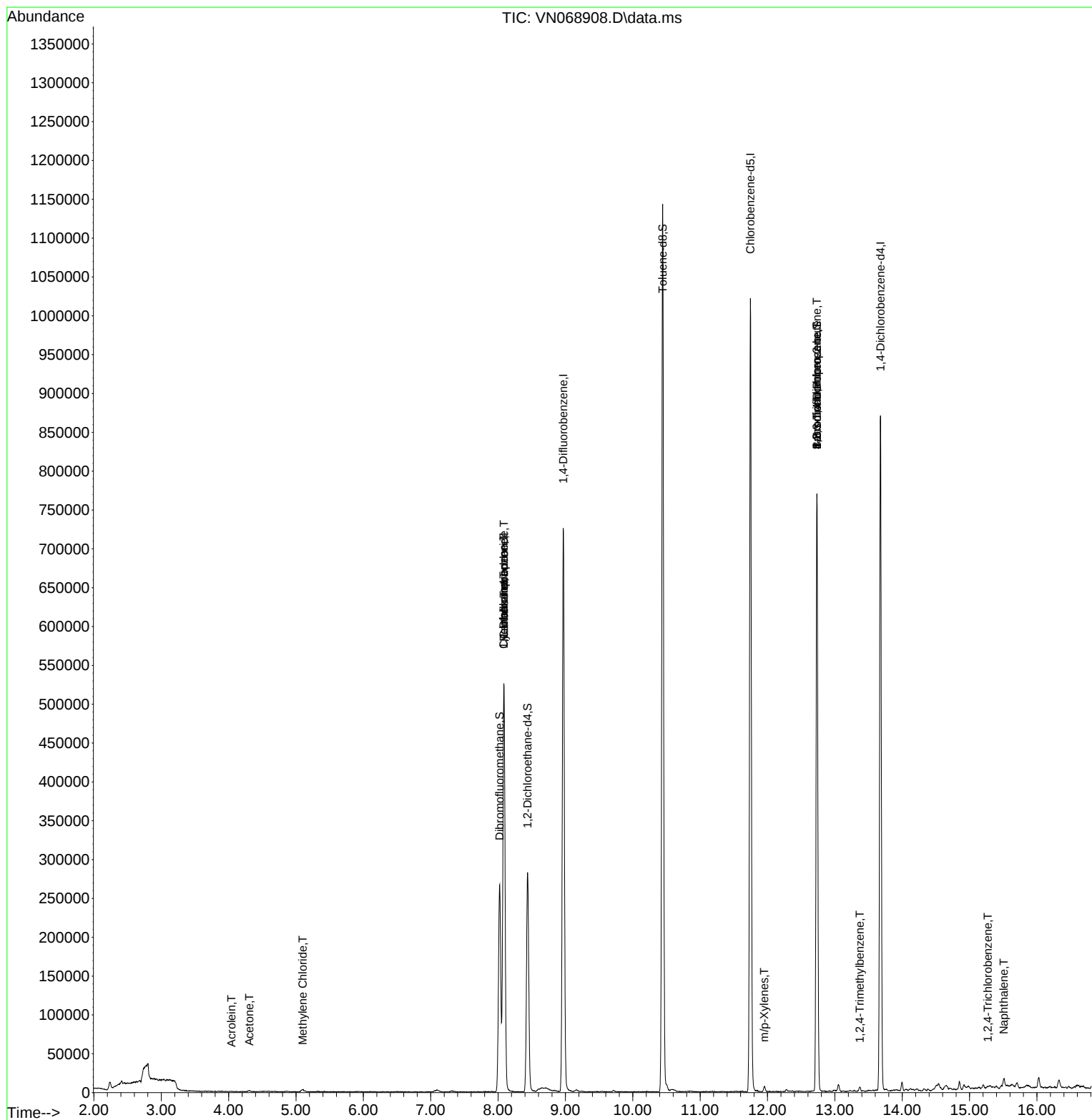
Internal Standards						
1) Pentafluorobenzene	8.088	168	417356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	667878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	612219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	239009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	238298	43.306	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.620%		
35) Dibromofluoromethane	8.024	113	195919	50.420	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.840%		
50) Toluene-d8	10.443	98	810198	52.111	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.220%		
62) 4-Bromofluorobenzene	12.733	95	275999	47.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.100%		
Target Compounds						Qvalue
13) Acrolein	4.041	56	115	0.259	ug/l #	1
16) Acetone	4.309	43	1680	0.818	ug/l	93
20) Methylene Chloride	5.101	84	1840	0.389	ug/l	91
31) Cyclohexane	8.083	56	8672	1.014	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	31738	5.563	ug/l #	50
38) Carbon Tetrachloride	8.086	117	40540	6.471	ug/l #	15
68) m/p-Xylenes	11.953	106	1706	0.209	ug/l	98
71) Bromoform	12.733	173	2279	0.627	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	138894	27.312	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	138894	65.343	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.372	105	3887	0.243	ug/l	96
93) 1,2,4-Trichlorobenzene	15.271	180	48	2.613	ug/l #	1
95) Naphthalene	15.507	128	10464	4.683	ug/l #	92

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

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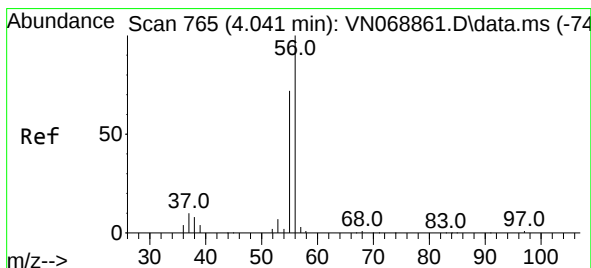
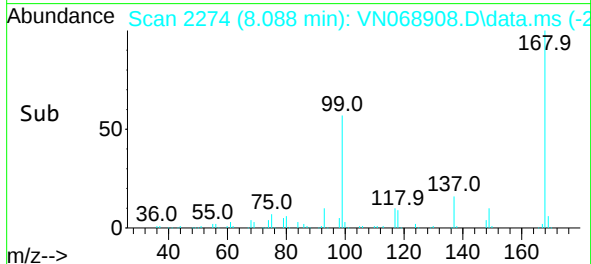
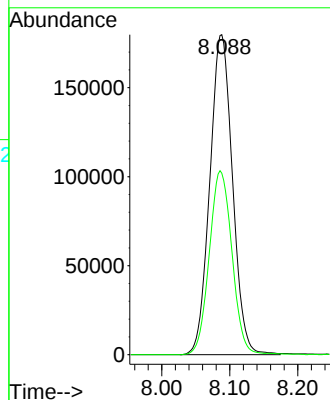
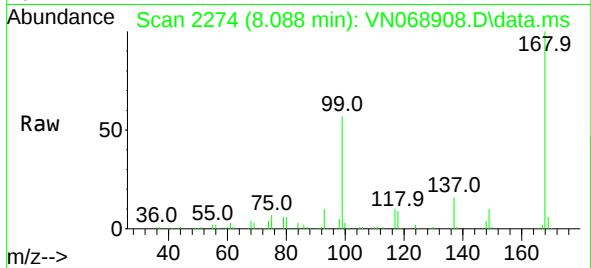




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

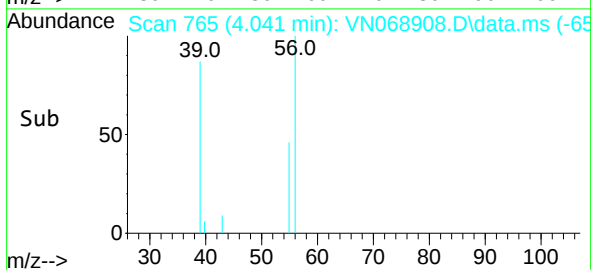
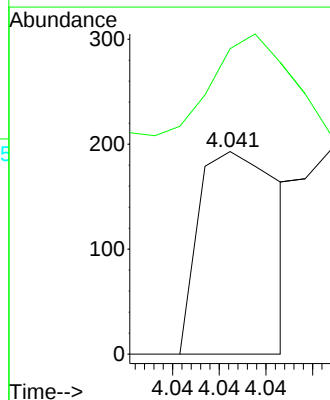
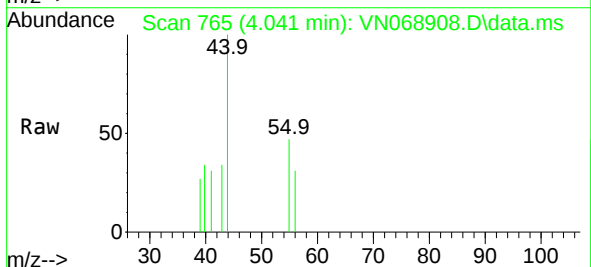
Instrument :
MSVOA_N
ClientSampled :
HAR-12

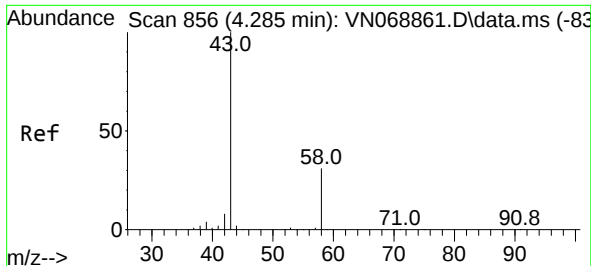
Tgt Ion:168 Resp: 417356
Ion Ratio Lower Upper
168 100
99 56.7 48.9 73.3



#13
Acrolein
Concen: 0.259 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.000 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 242.6 58.1 87.1#

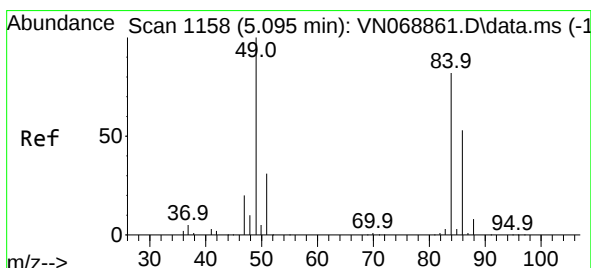
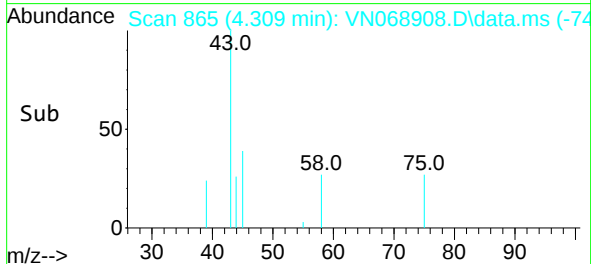
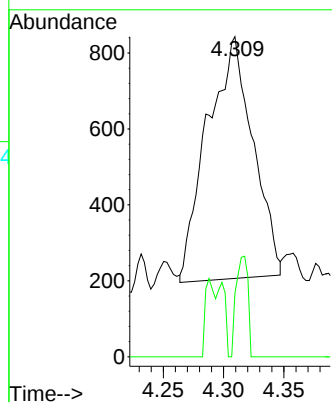
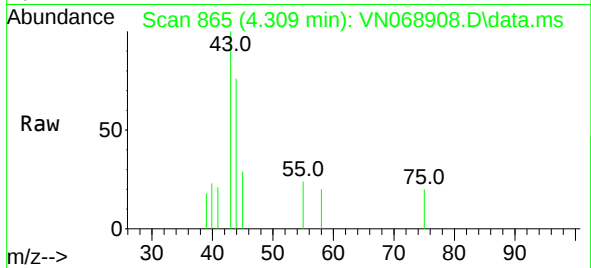




#16
Acetone
Concen: 0.818 ug/l
RT: 4.309 min Scan# 865
Delta R.T. 0.024 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

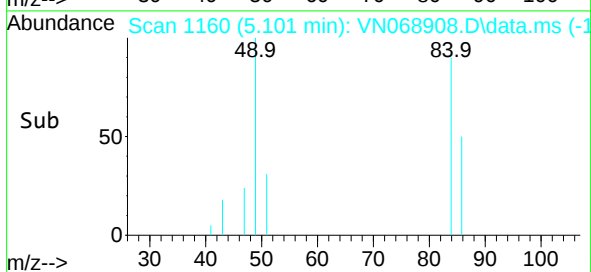
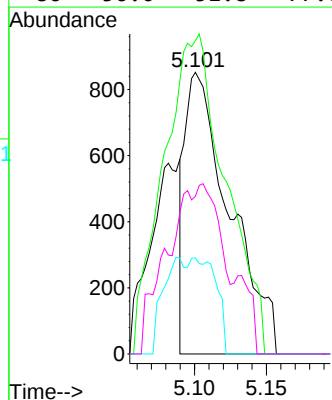
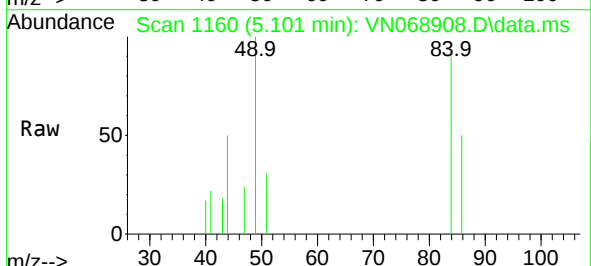
Instrument :
MSVOA_N
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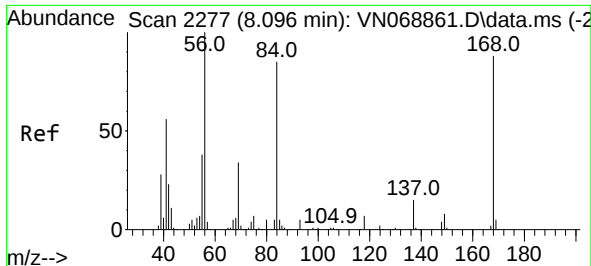
Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
58 26.6 24.5 36.7



#20
Methylene Chloride
Concen: 0.389 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion: 84 Resp: 1840
Ion Ratio Lower Upper
84 100
49 111.3 97.6 146.4
51 34.2 30.3 45.5
86 56.0 51.8 77.6

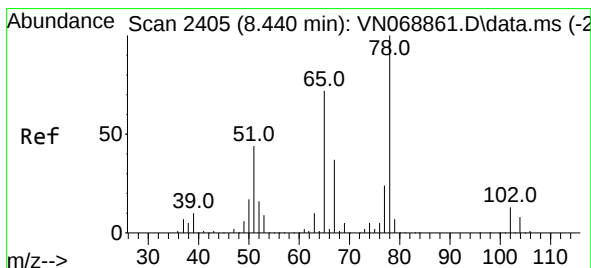
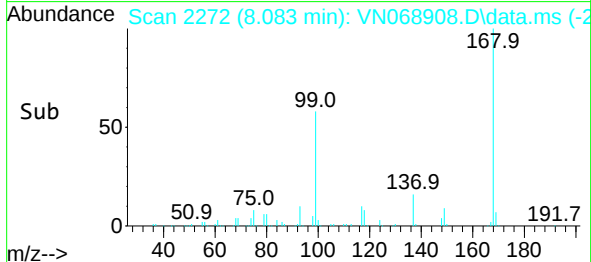
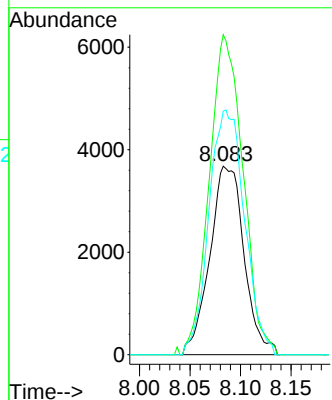
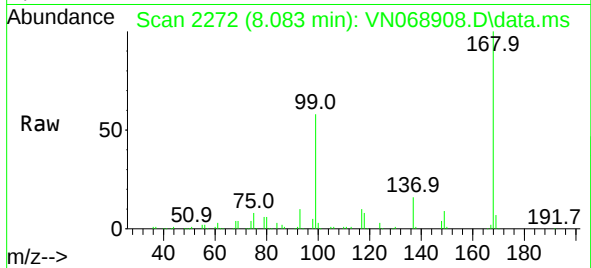




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

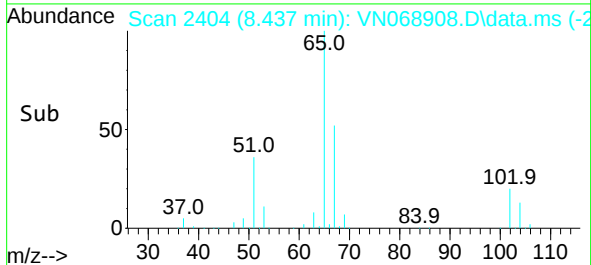
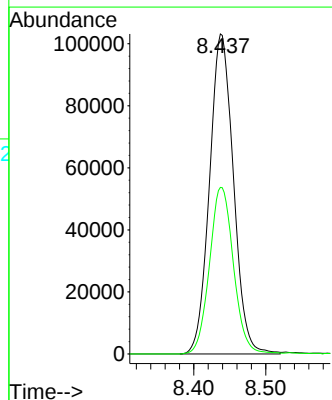
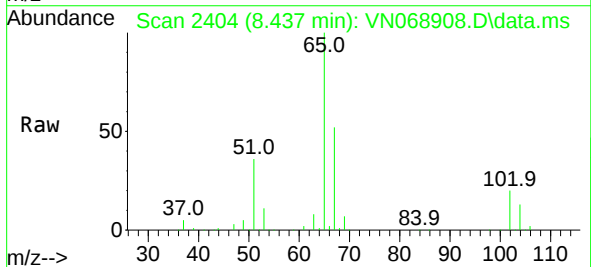
Instrument :
MSVOA_N
ClientSampleId :
HAR-12

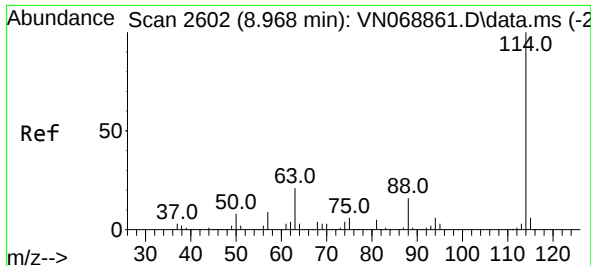
Tgt Ion: 56 Resp: 8672
Ion Ratio Lower Upper
56 100
69 169.8 26.9 40.3#
84 129.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 43.306 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion: 65 Resp: 238298
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8

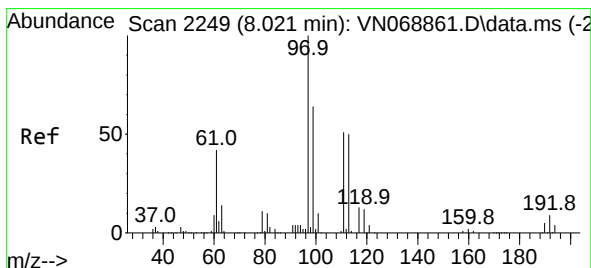
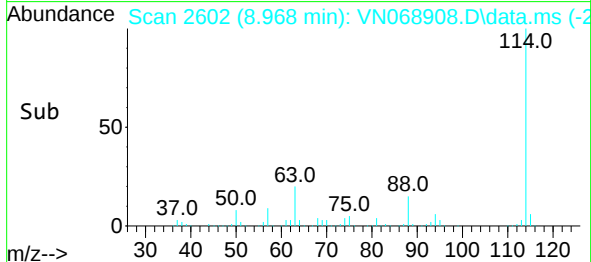
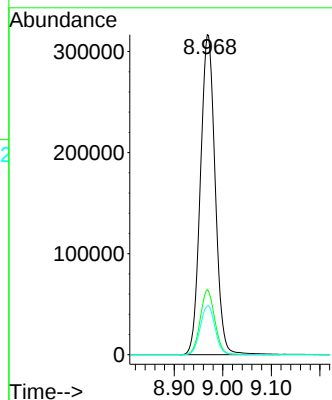
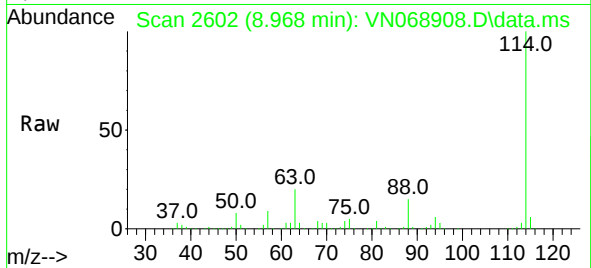




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

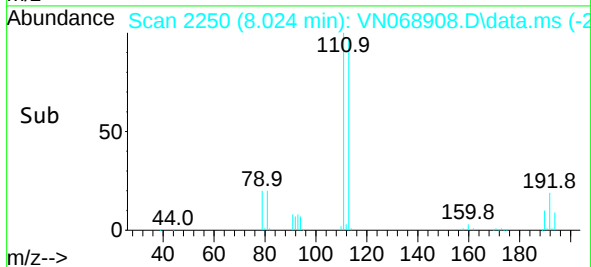
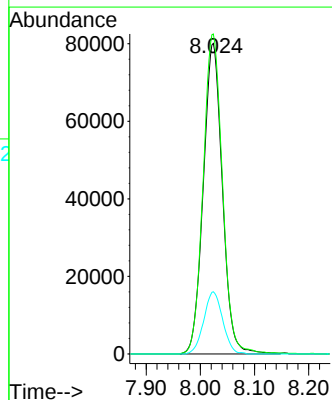
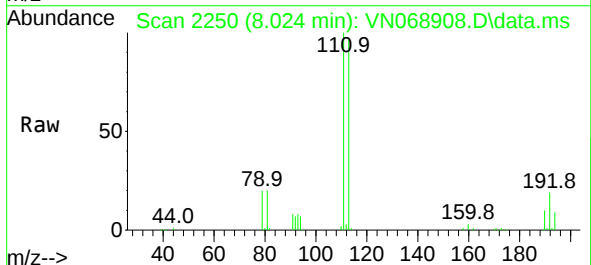
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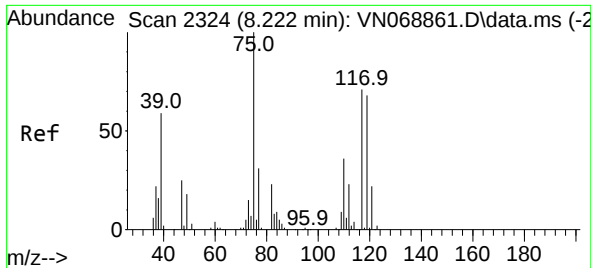
Tgt Ion:114	Resp: 667878
Ion Ratio	Lower Upper
114 100	
63 20.3	0.0 42.6
88 15.2	0.0 32.0



#35
Dibromofluoromethane
Concen: 50.420 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt	Ion:113	Resp:	195919
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.2	124.8
192	19.9	15.0	22.4

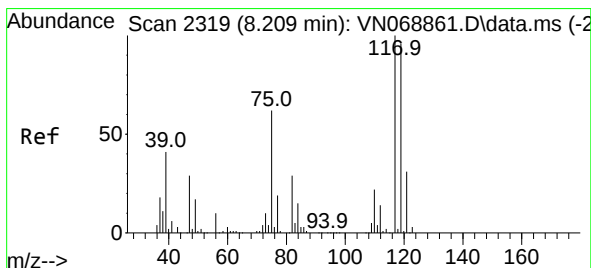
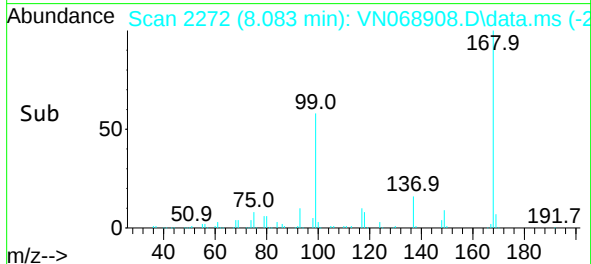
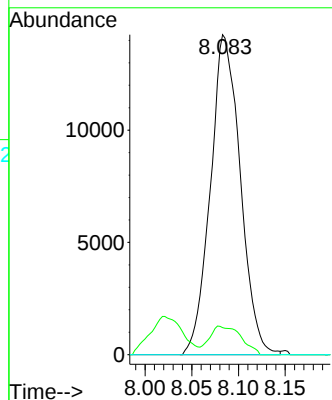
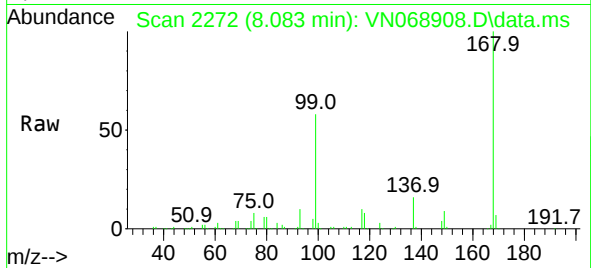




#36
1,1-Dichloropropene
Concen: 5.563 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

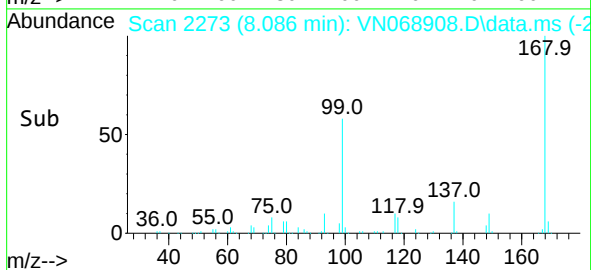
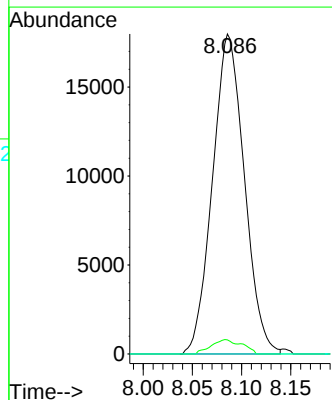
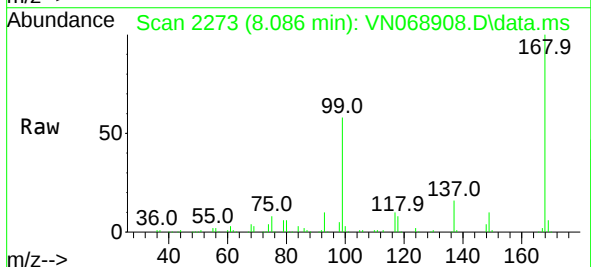
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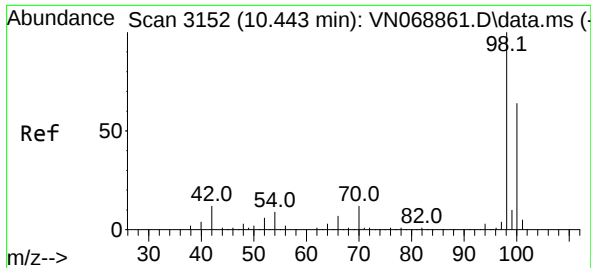
Tgt Ion: 75 Resp: 31738
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.471 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion: 117 Resp: 40540
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#

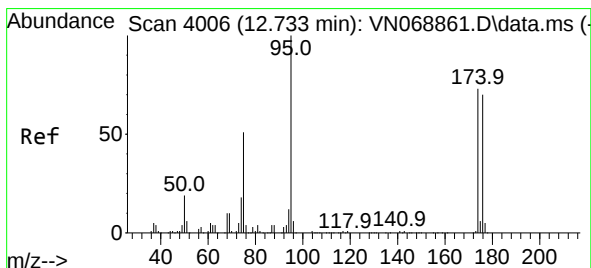
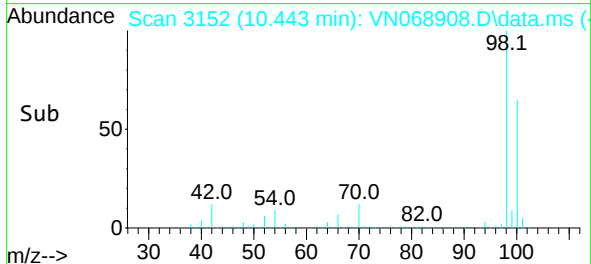
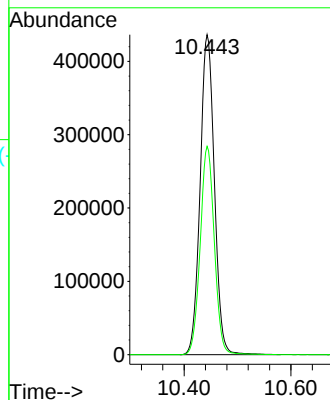
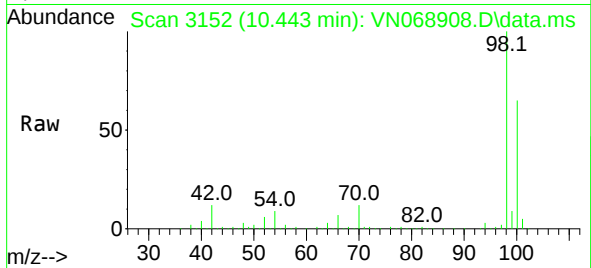




#50
Toluene-d8
Concen: 52.111 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

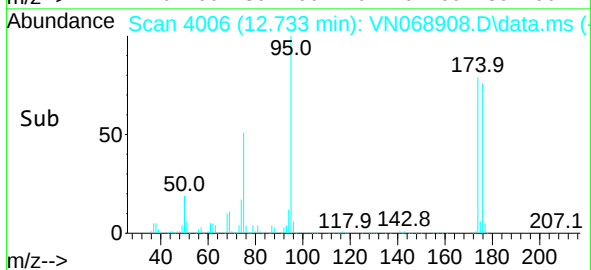
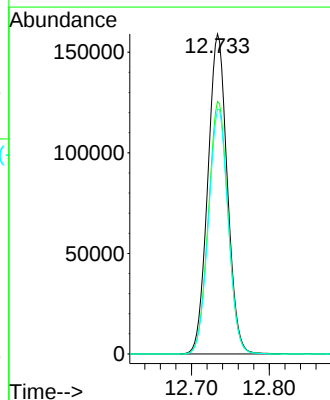
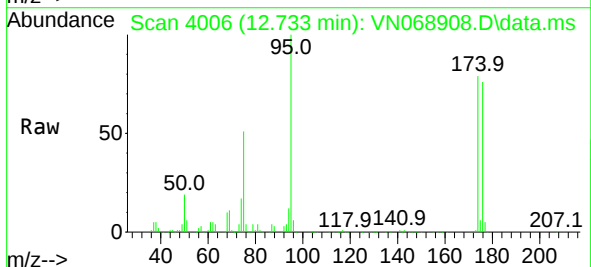
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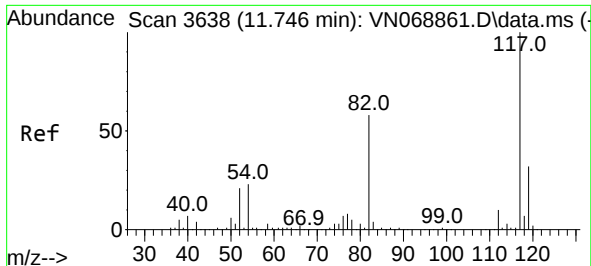
Tgt Ion: 98 Resp: 810198
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.051 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion: 95 Resp: 275999
Ion Ratio Lower Upper
95 100
174 79.7 0.0 144.8
176 77.2 0.0 140.0

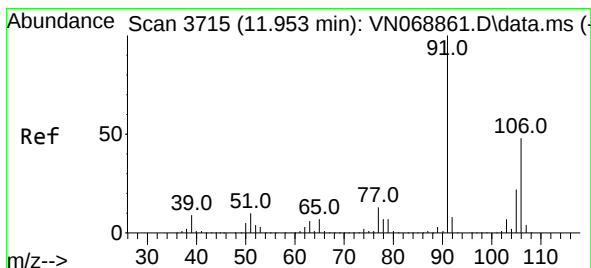
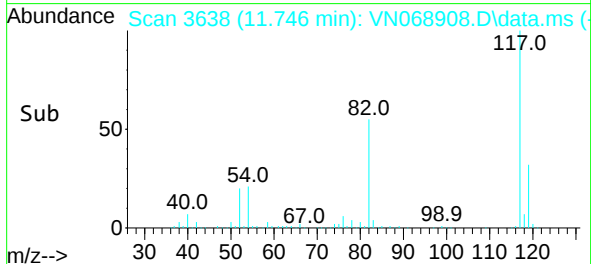
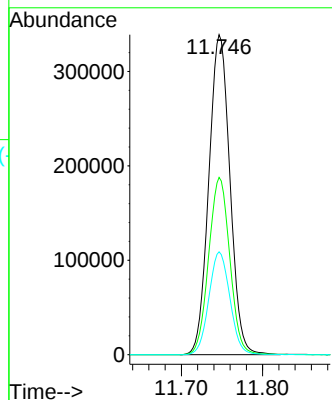
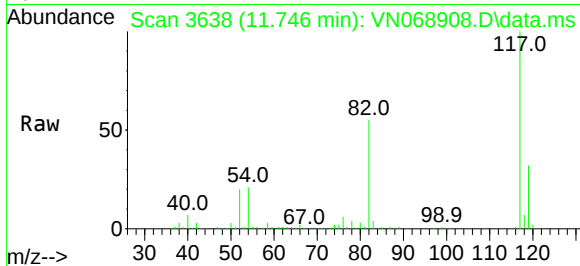




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

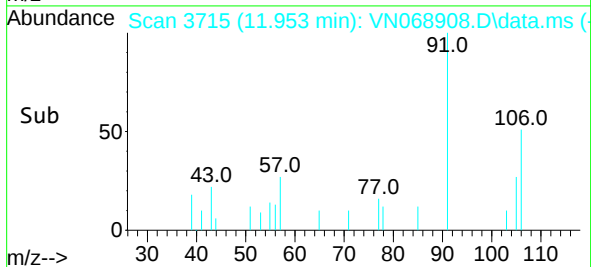
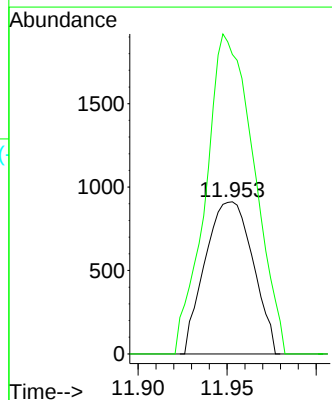
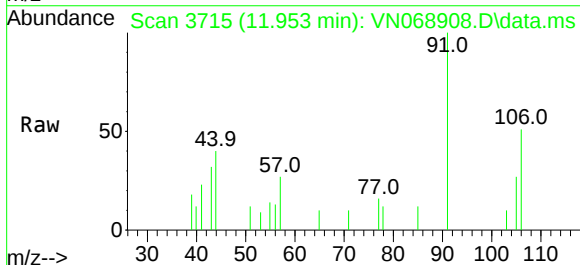
Instrument :
MSVOA_N
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HAR-12

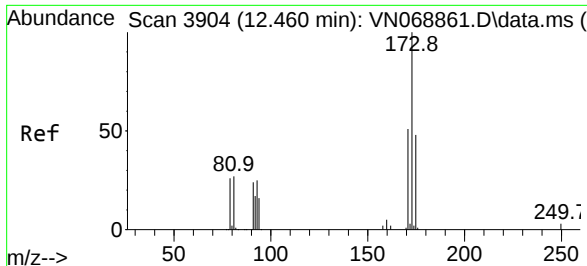
Tgt Ion:117 Resp: 612219
Ion Ratio Lower Upper
117 100
82 55.4 46.4 69.6
119 32.2 26.0 39.0



#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.000 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion:106 Resp: 1706
Ion Ratio Lower Upper
106 100
91 212.1 166.8 250.2

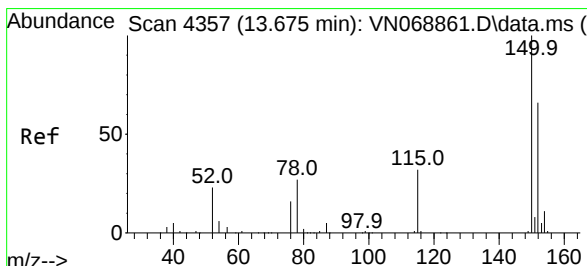
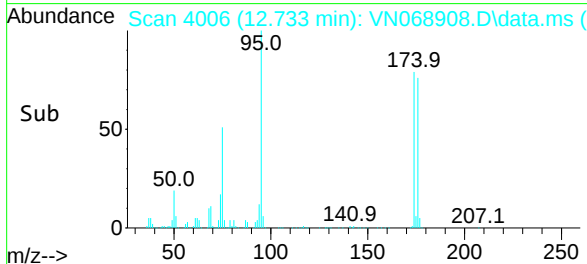
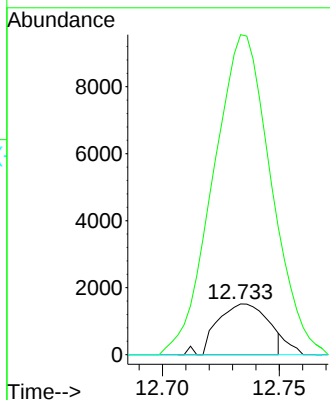
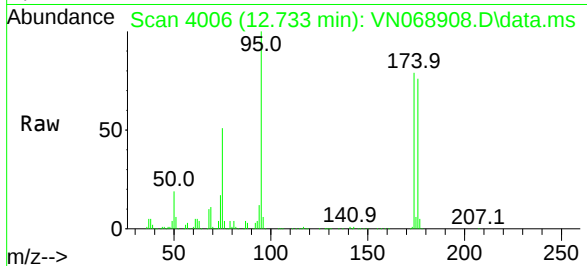




#71
Bromoform
Concen: 0.627 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

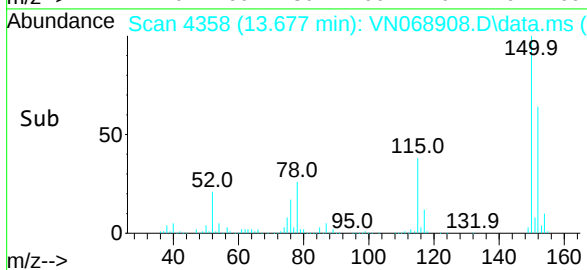
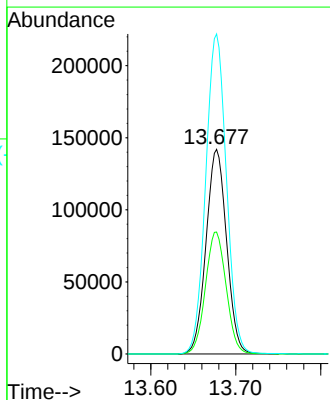
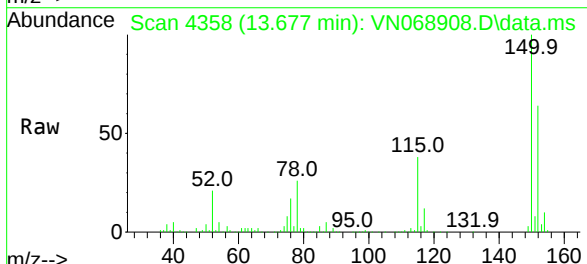
Instrument :
MSVOA_N
ClientSampled :
HAR-12

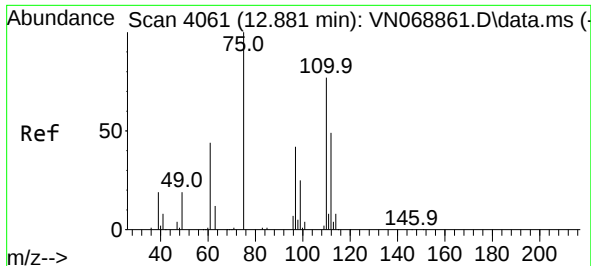
Tgt Ion:173 Resp: 2279
Ion Ratio Lower Upper
173 100
175 667.5 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion:152 Resp: 239009
Ion Ratio Lower Upper
152 100
115 59.9 31.4 94.3
150 157.4 0.0 351.0

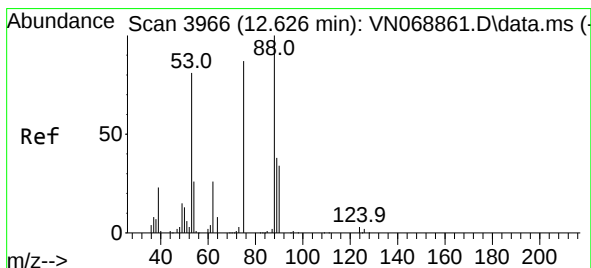
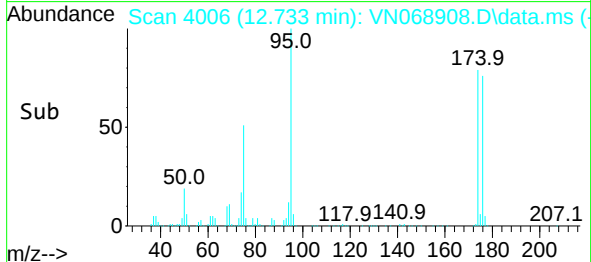
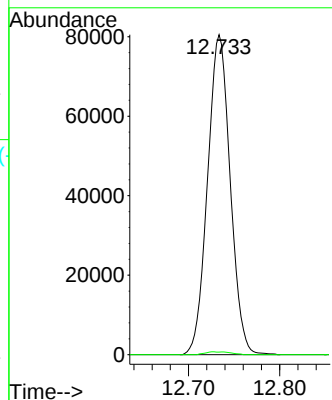
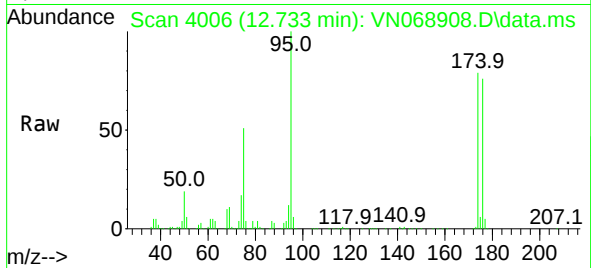




#76
1,2,3-Trichloropropane
Concen: 27.312 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

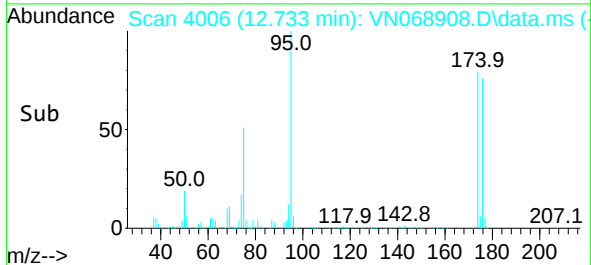
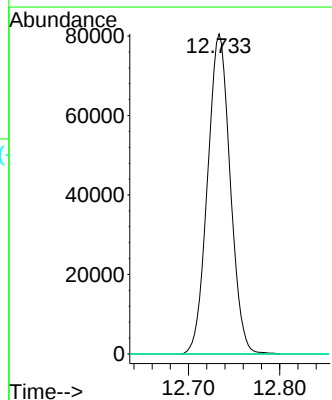
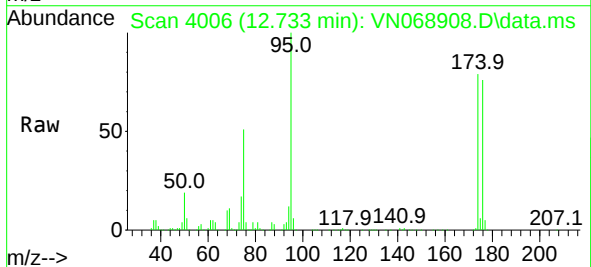
Instrument :
MSVOA_N
ClientSampled :
HAR-12

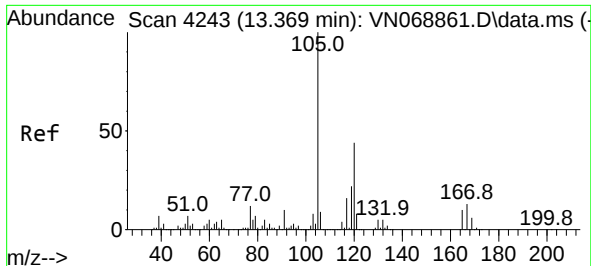
Tgt Ion: 75 Resp: 138894
Ion Ratio Lower Upper
75 100
77 0.6 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.343 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion: 75 Resp: 138894
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

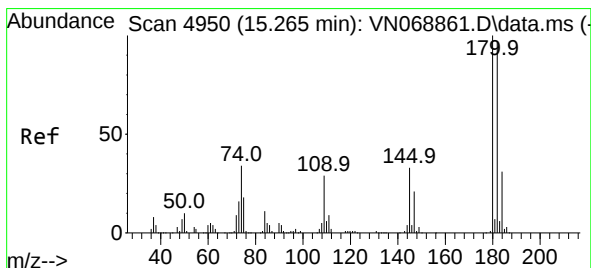
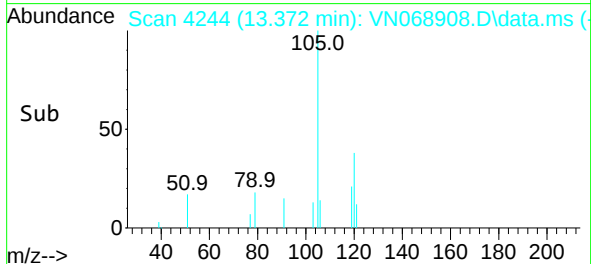
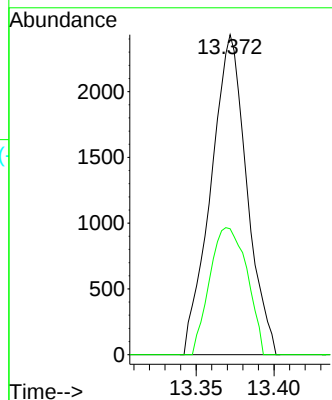
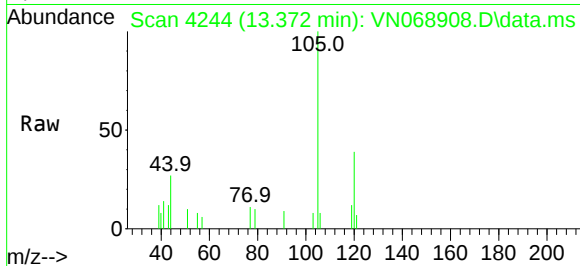




#84
1,2,4-Trimethylbenzene
Concen: 0.243 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

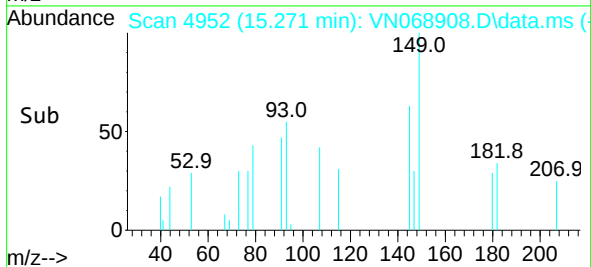
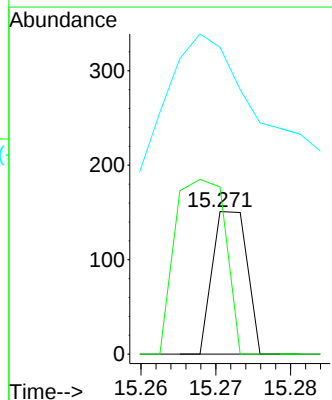
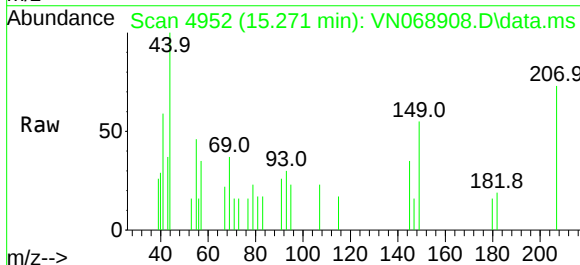
Instrument :
MSVOA_N
ClientSampled :
HAR-12

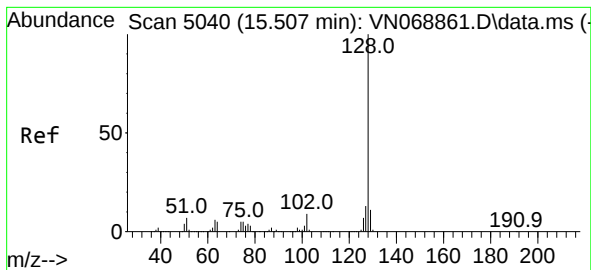
Tgt Ion:105 Resp: 3887
Ion Ratio Lower Upper
105 100
120 41.3 21.9 65.5



#93
1,2,4-Trichlorobenzene
Concen: 2.613 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Tgt Ion:180 Resp: 48
Ion Ratio Lower Upper
180 100
182 179.2 47.9 143.7#
145 883.3 16.4 49.2#





#95
Naphthalene
Concen: 4.683 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068908.D
Acq: 13 Oct 2021 19:44

Instrument :
MSVOA_N
ClientSampleId :
HAR-12

Tgt Ion:128 Resp: 10464
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 4.9 8.9 13.3#

