

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101321\
 Data File : VN068909.D
 Acq On : 13 Oct 2021 20:09
 Operator : JC/MD
 Sample : M4192-13 10X
 Misc : 6.15g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HAR-14

Quant Time: Oct 14 06:44:29 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)

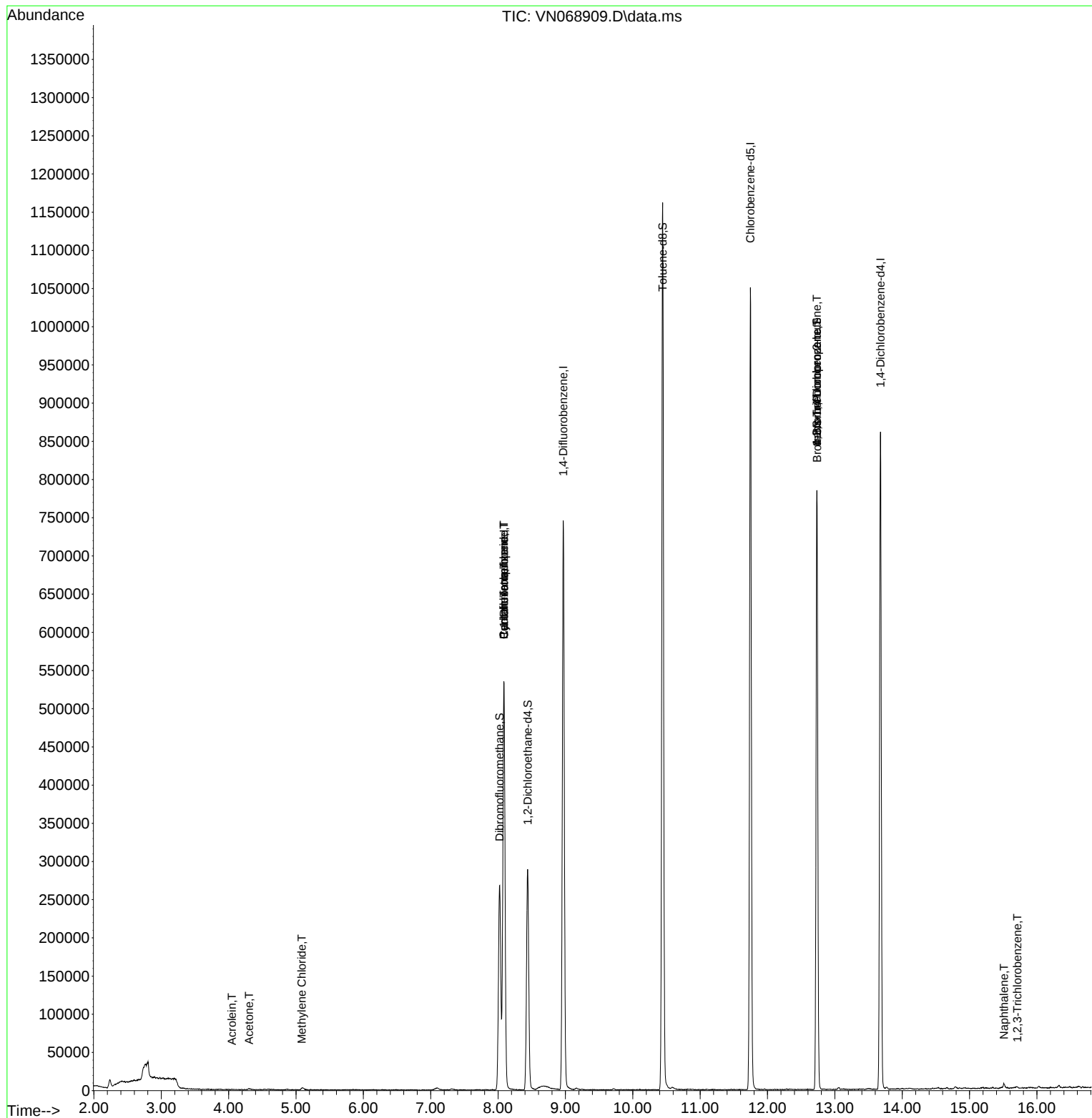
Internal Standards						
1) Pentafluorobenzene	8.088	168	422162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	681754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	625567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	242252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	242242	43.521	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.040%		
35) Dibromofluoromethane	8.021	113	201184	50.721	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.440%		
50) Toluene-d8	10.443	98	826884	52.102	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.200%		
62) 4-Bromofluorobenzene	12.733	95	284553	47.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.040%		
Target Compounds						Qvalue
13) Acrolein	4.047	56	224	0.498	ug/l	93
16) Acetone	4.304	43	1261	0.607	ug/l #	76
20) Methylene Chloride	5.087	84	989	0.207	ug/l	89
31) Cyclohexane	8.088	56	8847	1.022	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	31297	5.374	ug/l #	49
38) Carbon Tetrachloride	8.088	117	42171	6.594	ug/l #	16
71) Bromoform	12.736	173	2170	0.585	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	143602	27.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	143602	66.653	ug/l #	12
95) Naphthalene	15.509	128	3921	4.134	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.708	180	54	2.527	ug/l #	84

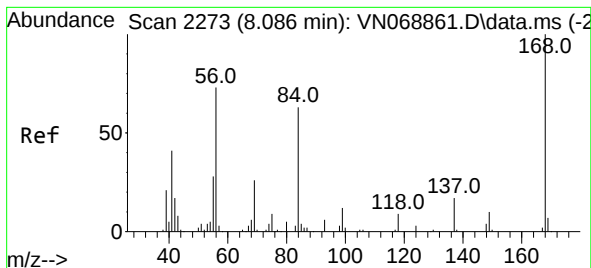
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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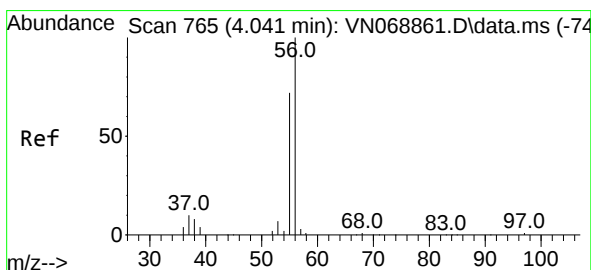
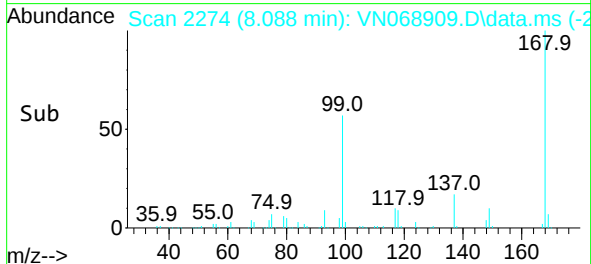
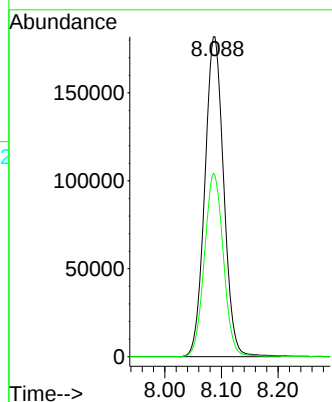
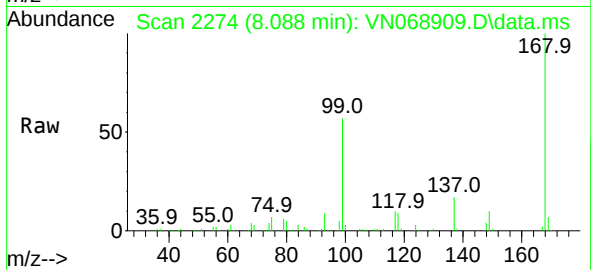




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

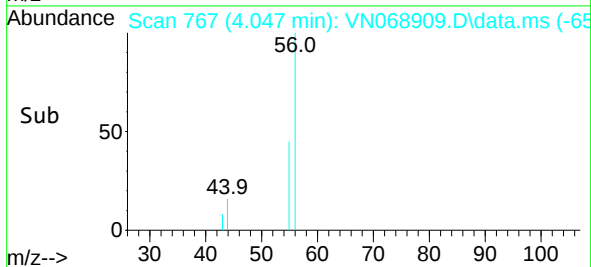
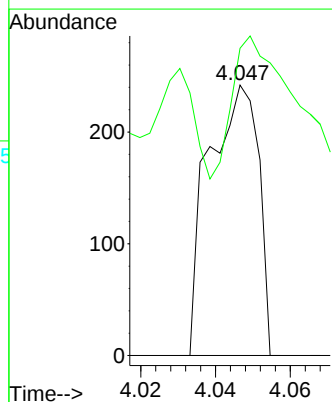
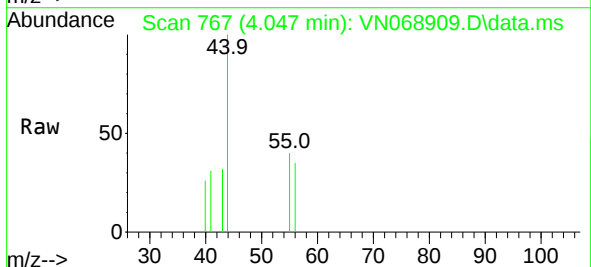
Instrument :
MSVOA_N
ClientSampled :
HAR-14

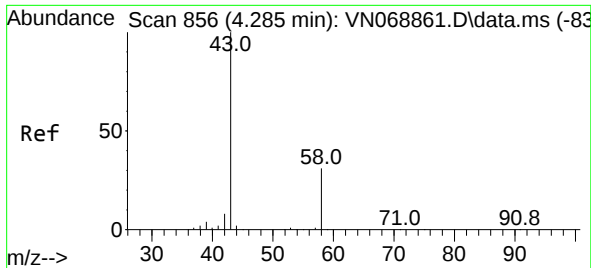
Tgt Ion:168 Resp: 422162
Ion Ratio Lower Upper
168 100
99 56.7 48.9 73.3



#13
Acrolein
Concen: 0.498 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 67.0 58.1 87.1

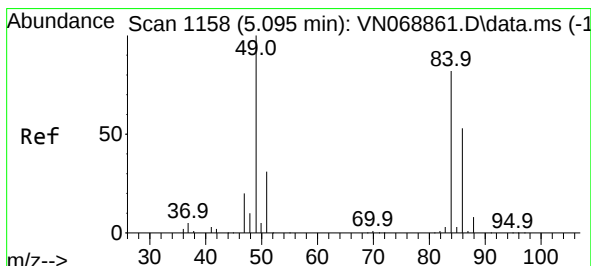
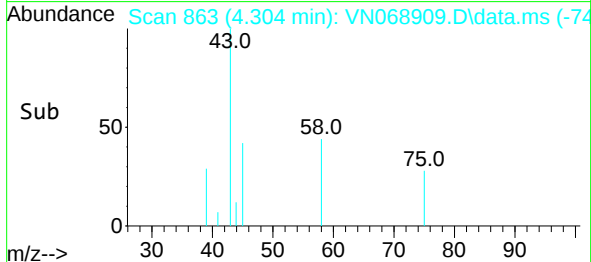
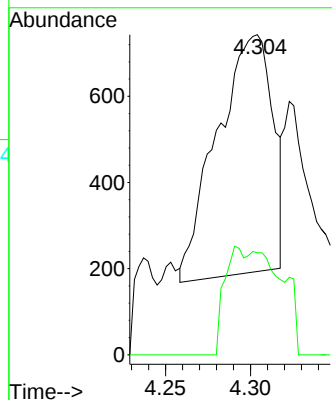
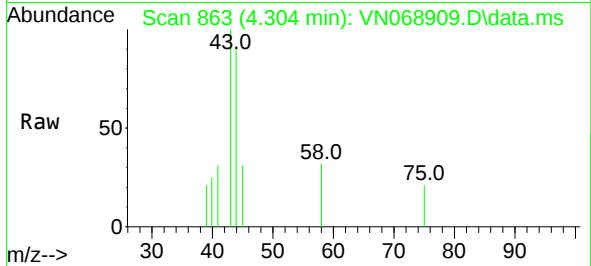




#16
Acetone
Concen: 0.607 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

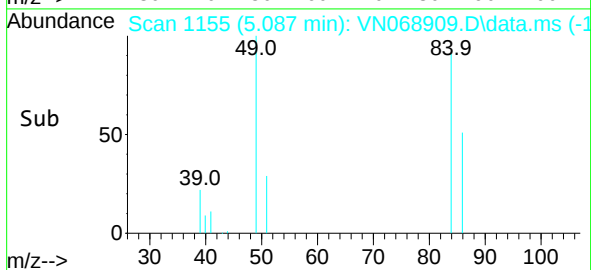
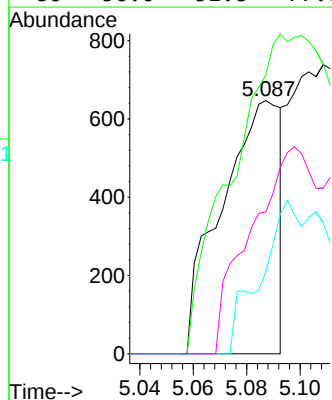
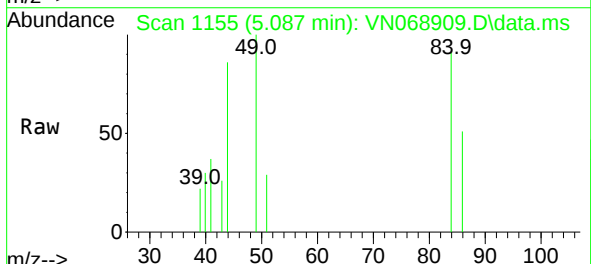
Instrument :
MSVOA_N
ClientSampled :
HAR-14

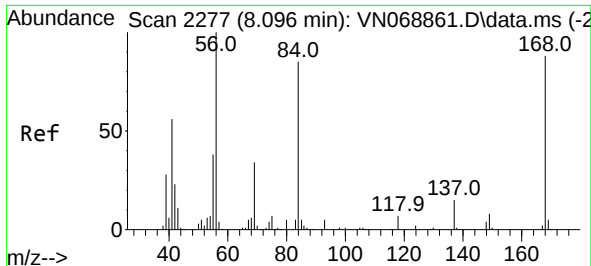
Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
58 43.7 24.5 36.7#



#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 5.087 min Scan# 1155
Delta R.T. -0.008 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

Tgt Ion: 84 Resp: 989
Ion Ratio Lower Upper
84 100
49 110.0 97.6 146.4
51 32.5 30.3 45.5
86 56.0 51.8 77.6

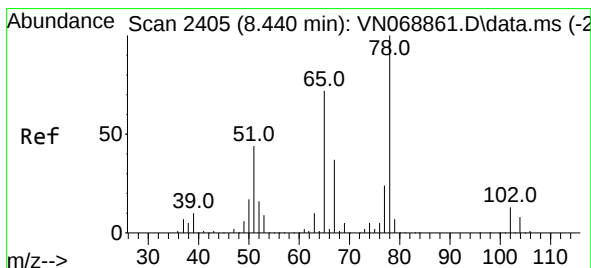
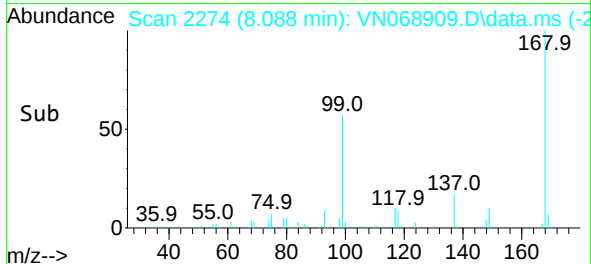
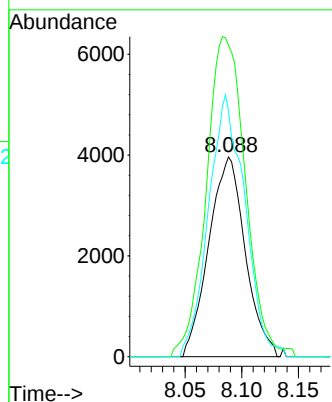
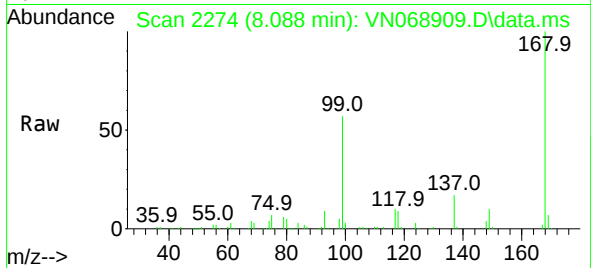




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

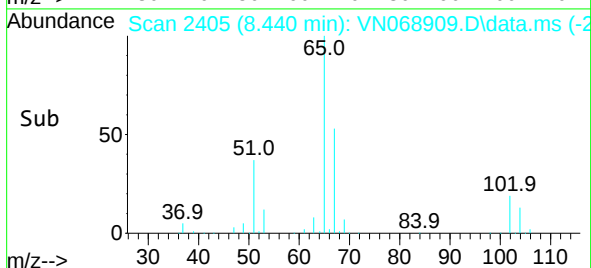
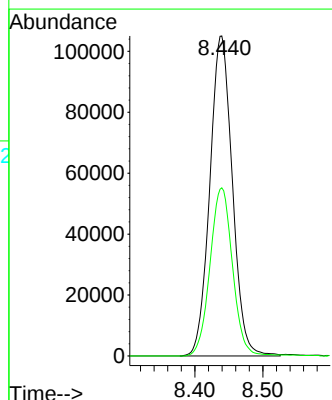
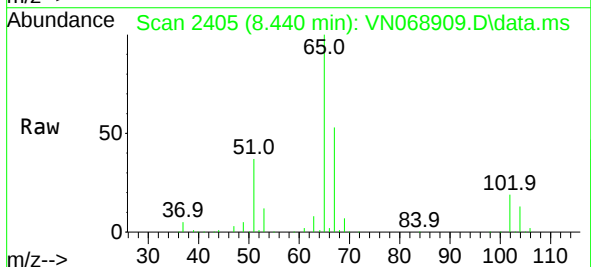
Instrument :
MSVOA_N
ClientSampled :
HAR-14

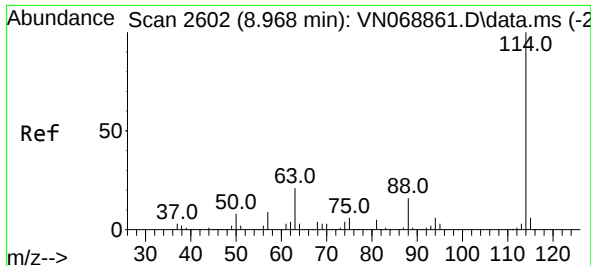
Tgt Ion: 56 Resp: 8847
Ion Ratio Lower Upper
56 100
69 151.9 26.9 40.3#
84 123.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 43.521 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

Tgt Ion: 65 Resp: 242242
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8

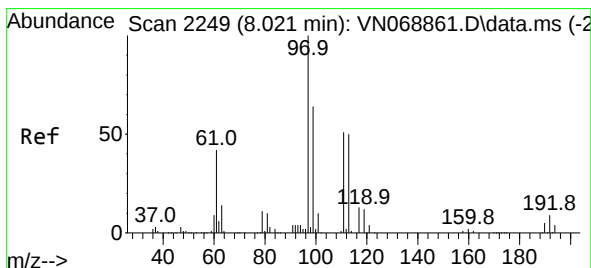
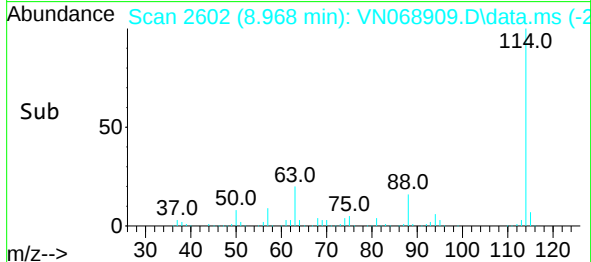
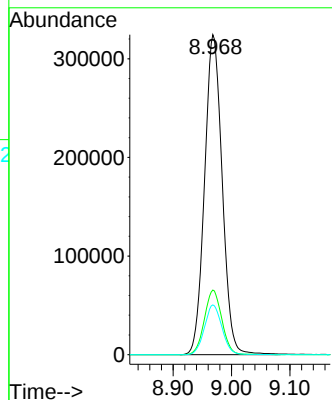
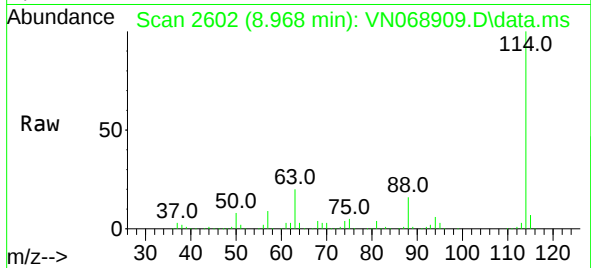




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

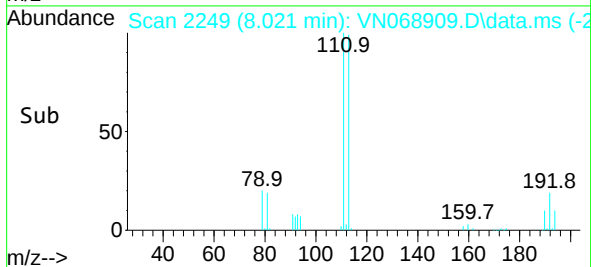
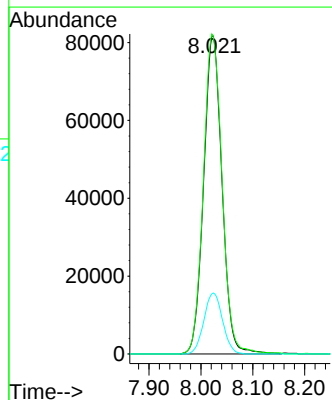
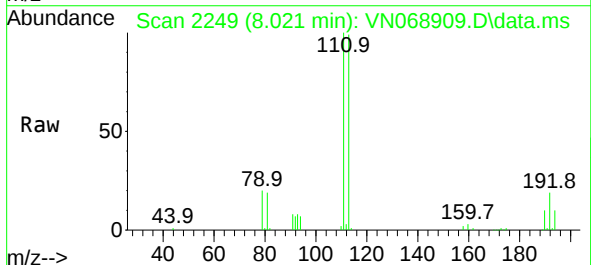
Instrument :
MSVOA_N
ClientSampled :
HAR-14

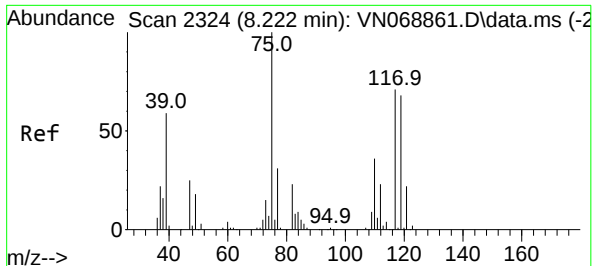
Tgt Ion:114 Resp: 681754
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 15.6 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.721 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

Tgt Ion:113 Resp: 201184
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: 5.374 ug/l

RT: 8.086 min Scan# 2273

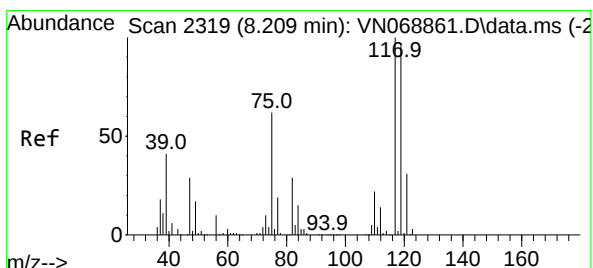
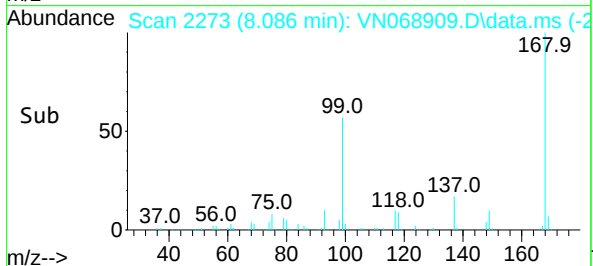
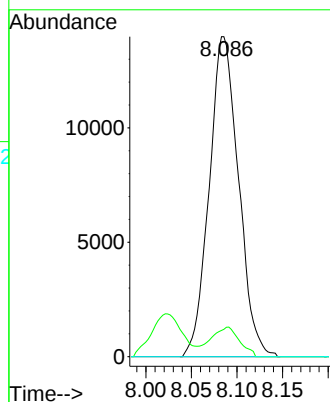
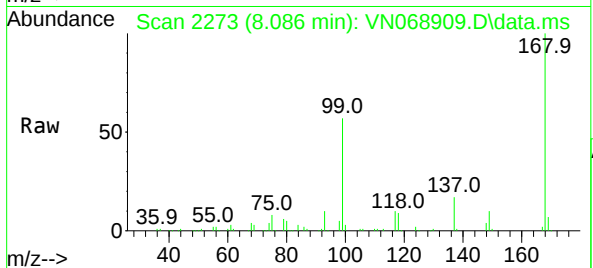
Delta R.T. -0.137 min

Lab File: VN068909.D

Acq: 13 Oct 2021 20:09

Tgt Ion:	75	Resp:	31297
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :
HAR-14



#38

Carbon Tetrachloride

Concen: 6.594 ug/l

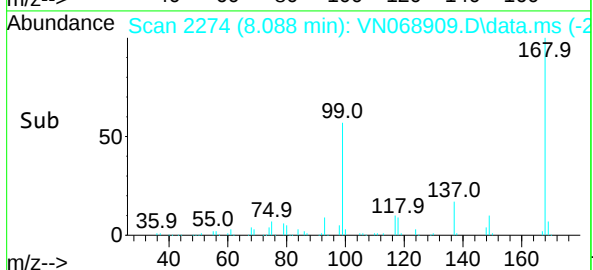
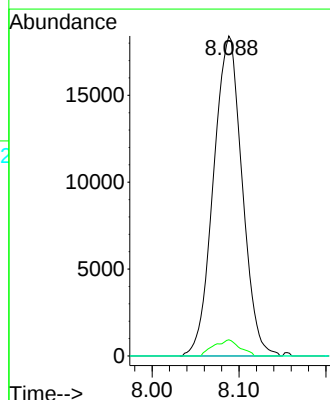
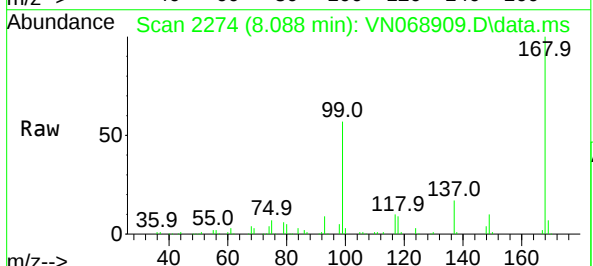
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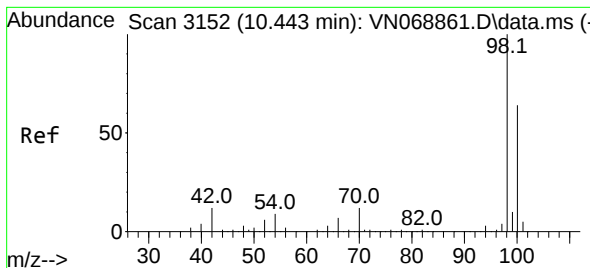
Delta R.T. -0.121 min

Lab File: VN068909.D

Acq: 13 Oct 2021 20:09

Tgt Ion:	117	Resp:	42171
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.9	115.3#
121	0.0	24.6	37.0#

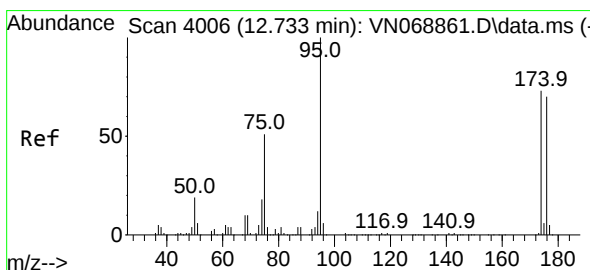
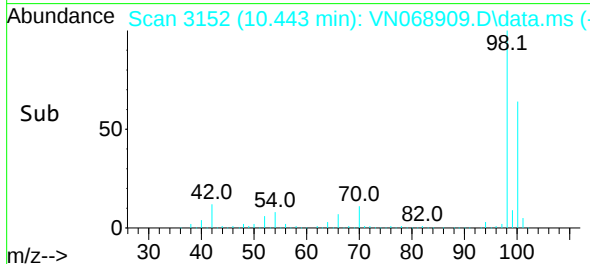
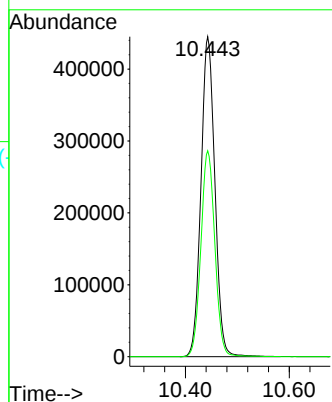
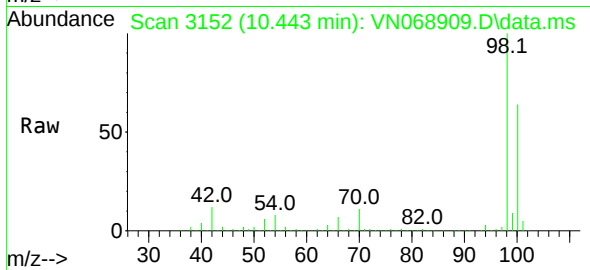




#50
Toluene-d8
Concen: 52.102 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

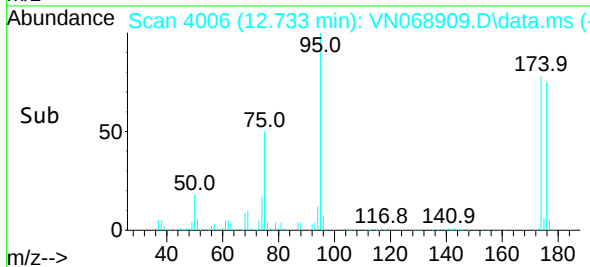
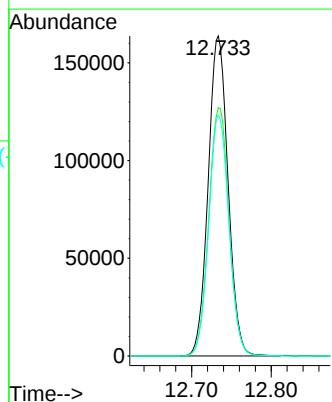
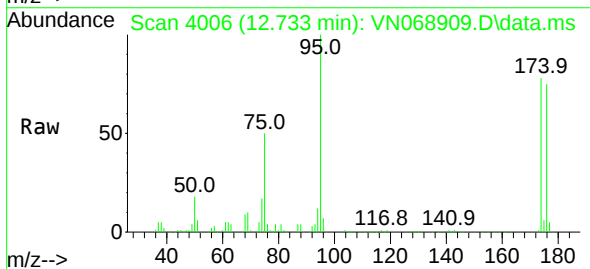
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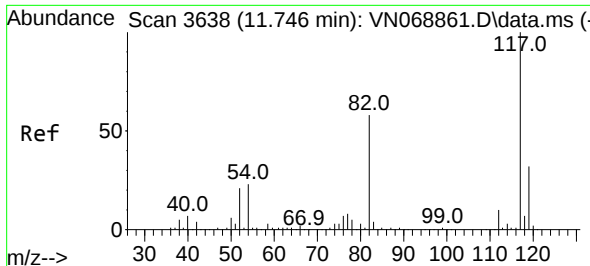
Tgt Ion: 98 Resp: 826884
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.522 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

Tgt Ion: 95 Resp: 284553
Ion Ratio Lower Upper
95 100
174 79.2 0.0 144.8
176 76.5 0.0 140.0

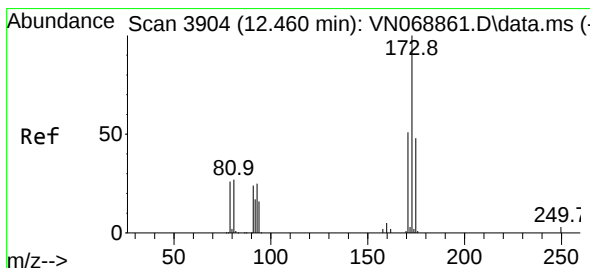
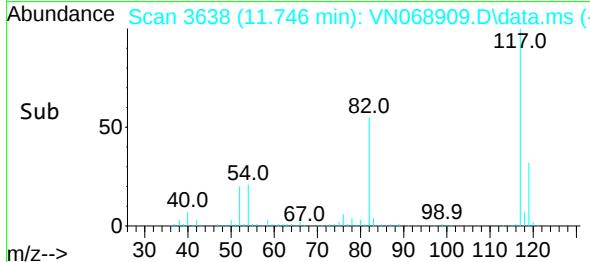
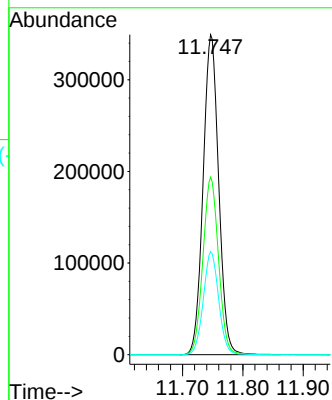
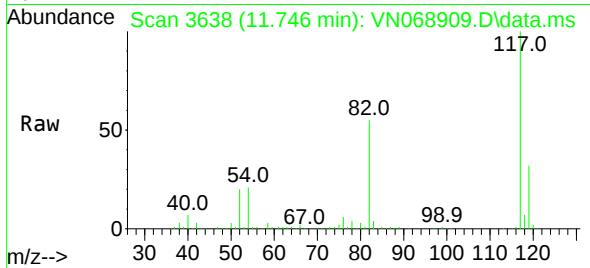




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

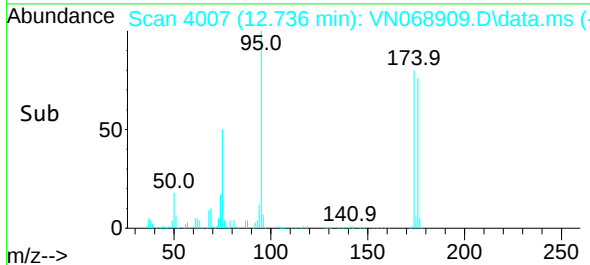
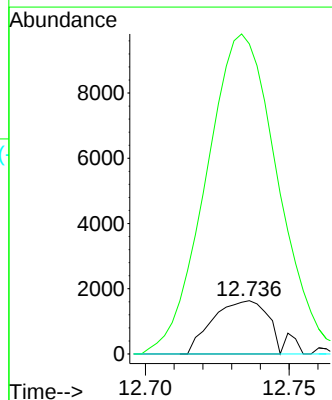
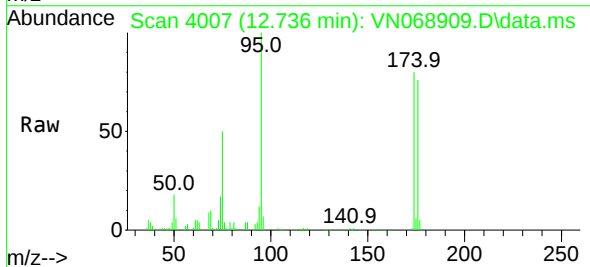
Instrument :
MSVOA_N
ClientSampleId :
HAR-14

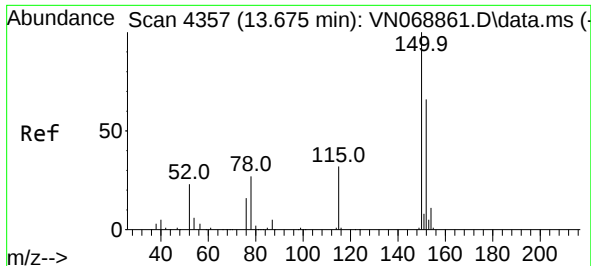
Tgt Ion:117 Resp: 625567
Ion Ratio Lower Upper
117 100
82 55.5 46.4 69.6
119 32.2 26.0 39.0



#71
Bromoform
Concen: 0.585 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

Tgt Ion:173 Resp: 2170
Ion Ratio Lower Upper
173 100
175 727.1 23.8 71.5#
254 0.0 0.0 0.0

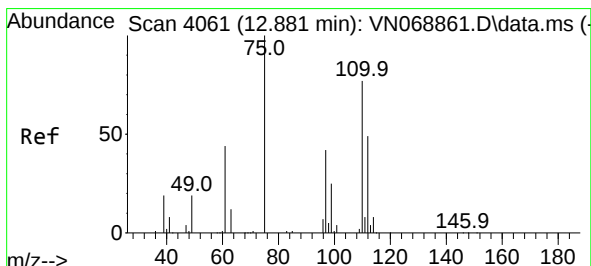
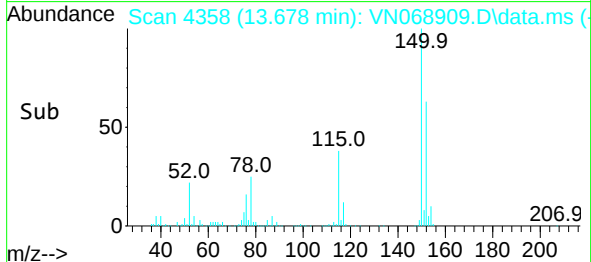
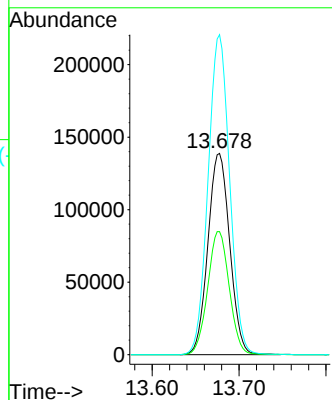
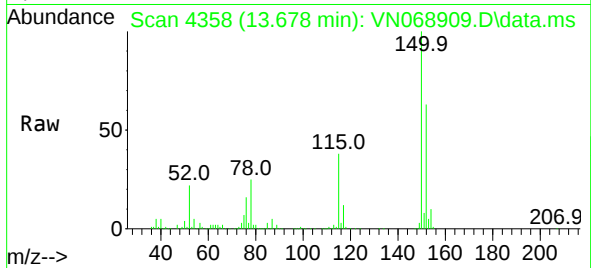




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

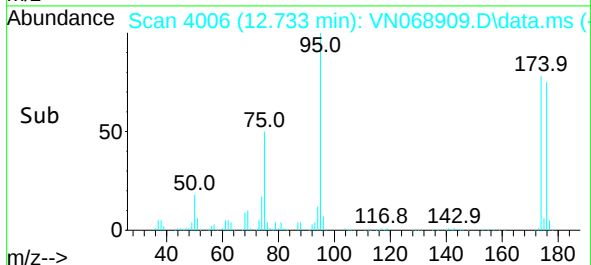
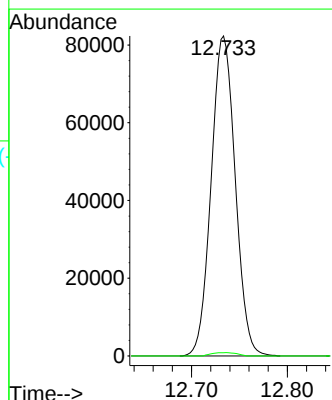
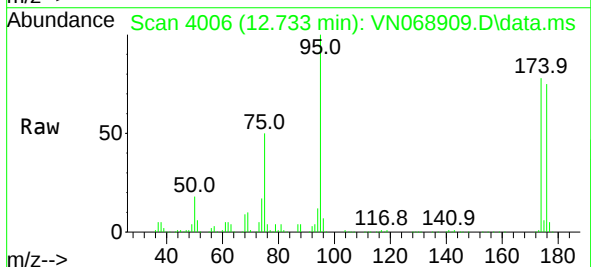
Instrument :
MSVOA_N
ClientSampled :
HAR-14

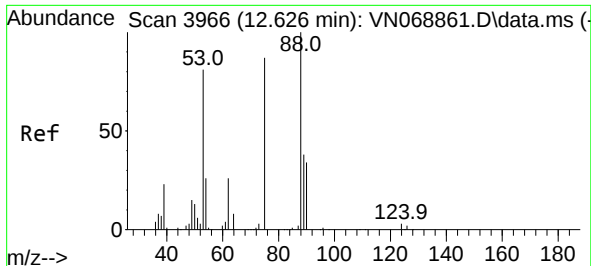
Tgt Ion:152 Resp: 242252
Ion Ratio Lower Upper
152 100
115 60.4 31.4 94.3
150 156.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 27.860 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

Tgt Ion: 75 Resp: 143602
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#

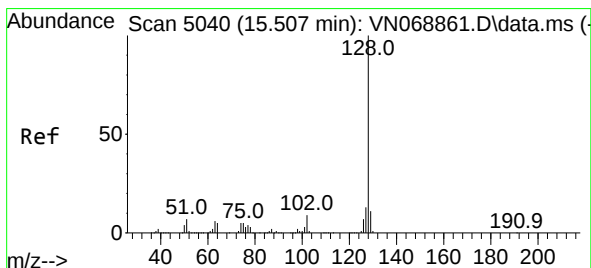
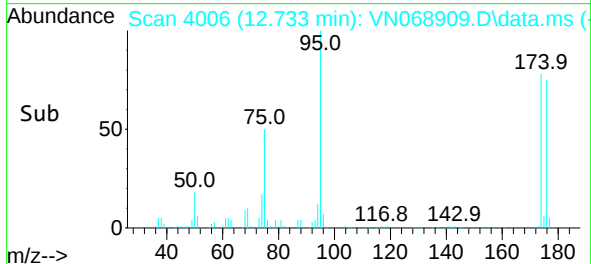
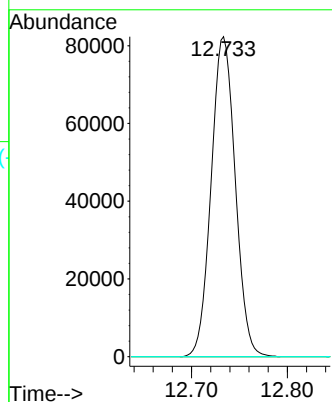
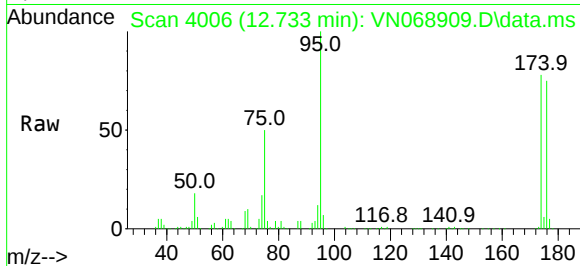




#81
trans-1,4-Dichloro-2-butene
Concen: 66.653 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

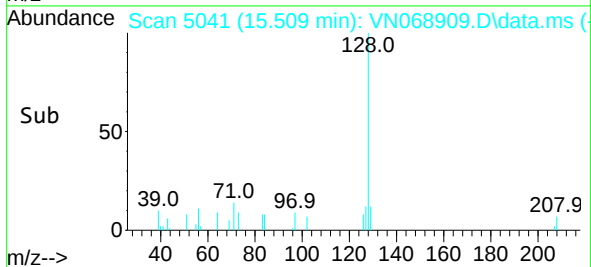
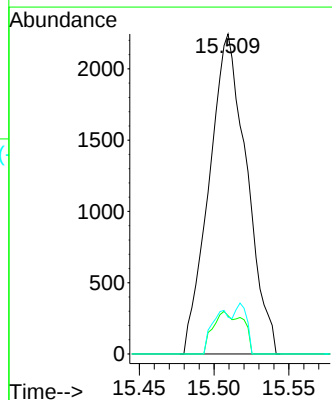
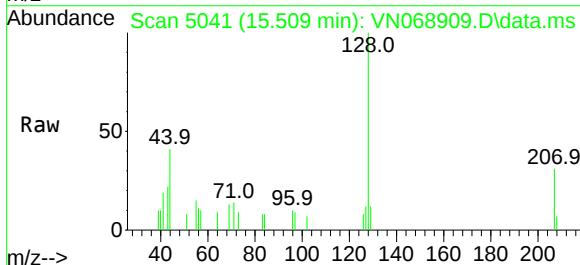
Instrument :
MSVOA_N
ClientSampled :
HAR-14

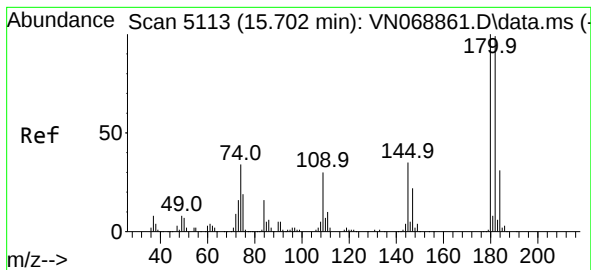
Tgt Ion: 75 Resp: 143602
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 4.134 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068909.D
Acq: 13 Oct 2021 20:09

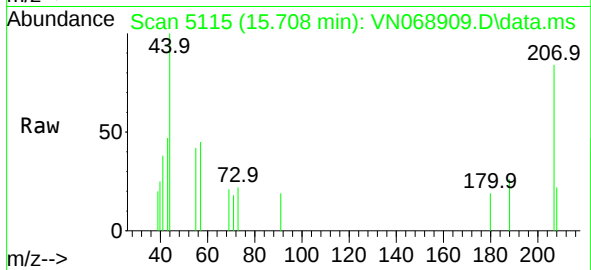
Tgt Ion: 128 Resp: 3921
Ion Ratio Lower Upper
128 100
127 10.5 10.5 15.7
129 7.1 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.527 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN068909.D
 Acq: 13 Oct 2021 20:09

Instrument :
 MSVOA_N
 ClientSampled :
 HAR-14



Tgt Ion:180 Resp: 54
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.3
 145 0.0 17.4 52.2#

