

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068172.D
 Acq On : 18 Aug 2021 4:20
 Operator : JC/MD
 Sample : M3410-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Aug 18 08:41:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

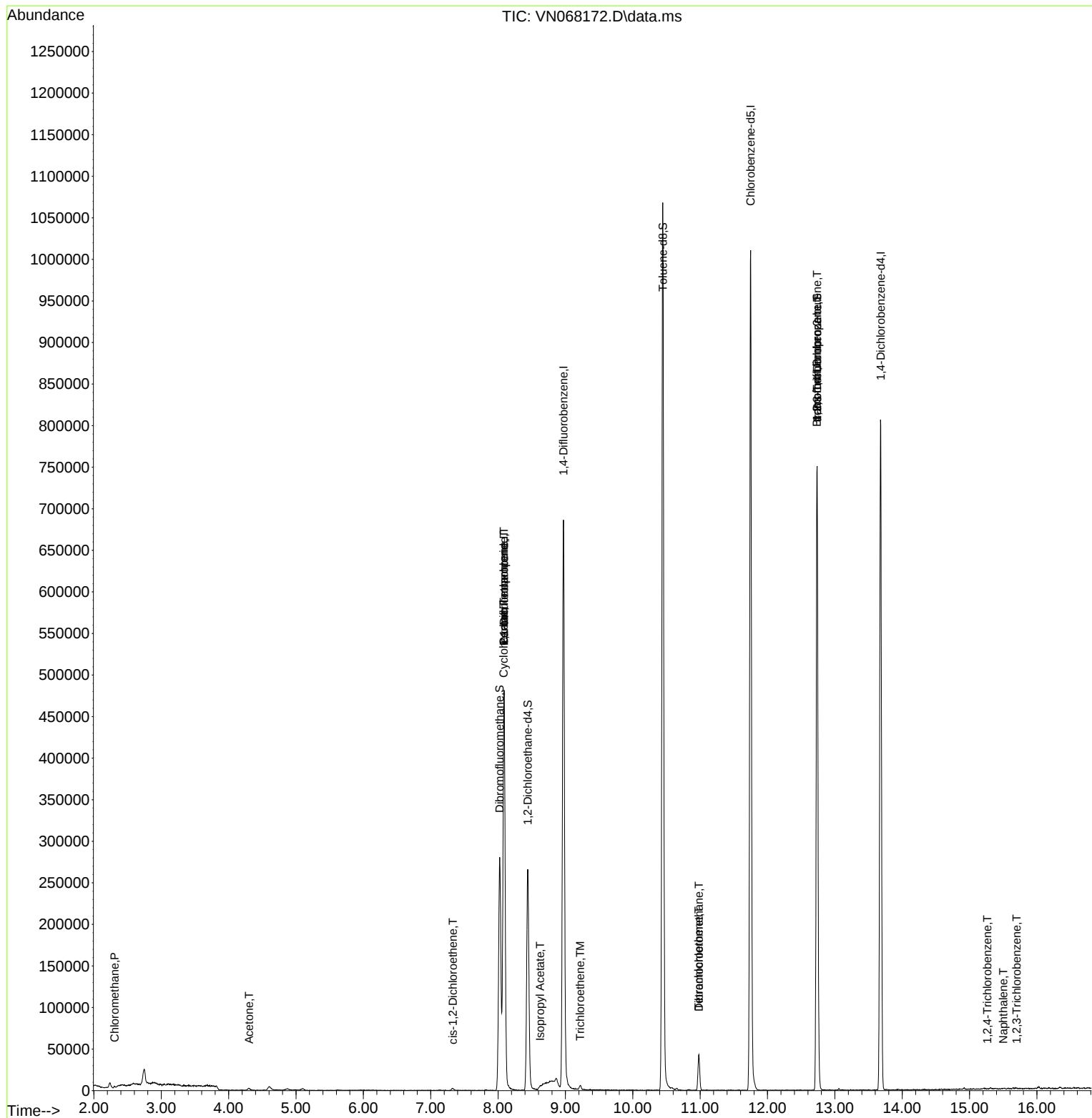
Internal Standards						
1) Pentafluorobenzene	8.088	168	394569	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	659558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	651803	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	245384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229731	54.530	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 109.060%		
35) Dibromofluoromethane	8.024	113	203533	49.152	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.300%		
50) Toluene-d8	10.446	98	797571	50.549	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.100%		
62) 4-Bromofluorobenzene	12.736	95	257856	49.092	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 98.180%		
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	1135	0.321	ug/l	91
5) Bromomethane	2.832	94	189	Below Cal	#	4
6) Chloroethane	3.041	64	24	Below Cal	#	44
13) Acrolein	4.049	56	186	Below Cal	#	31
16) Acetone	4.304	43	3470	2.821	ug/l	# 75
18) Methyl Acetate	4.856	43	1359	Below Cal		93
20) Methylene Chloride	5.100	84	1196	Below Cal	#	62
27) cis-1,2-Dichloroethene	7.329	96	1110	0.259	ug/l	73
31) Cyclohexane	8.083	56	6783	1.222	ug/l	# 24
36) 1,1-Dichloropropene	8.088	75	26639	4.941	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	36688	5.900	ug/l	# 16
43) Isopropyl Acetate	8.625	43	2967	0.403	ug/l	# 58
44) Trichloroethene	9.220	130	2047	0.414	ug/l	77
60) Dibromochloromethane	10.982	129	9471	1.873	ug/l	# 11
64) Tetrachloroethene	10.979	164	10313	2.046	ug/l	# 85
71) Bromoform	12.733	173	1520	0.376	ug/l	# 1
76) 1,2,3-Trichloropropane	12.736	75	132277	32.432	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	132277	106.254	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.262	180	190	2.729	ug/l	# 43
95) Naphthalene	15.501	128	667	3.409	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.700	180	197	2.879	ug/l	# 55

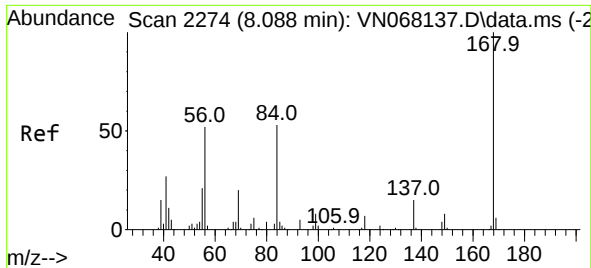
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Aug 18 08:41:51 2021
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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

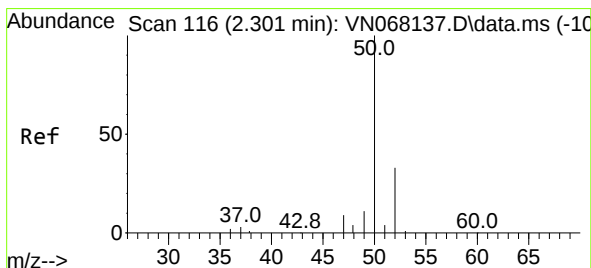
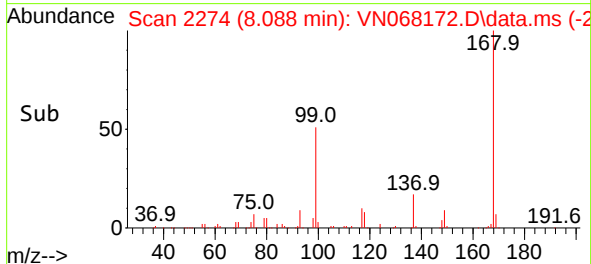
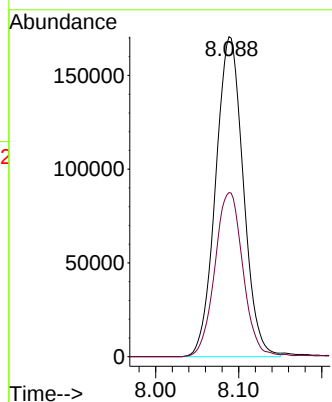
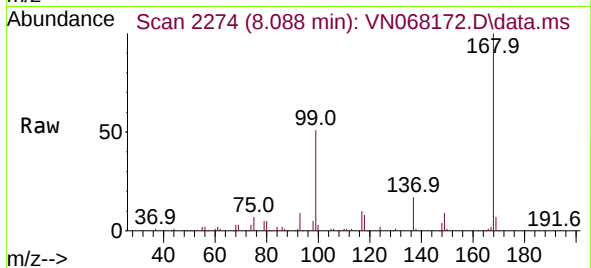




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

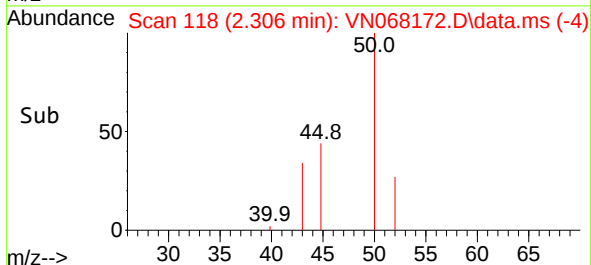
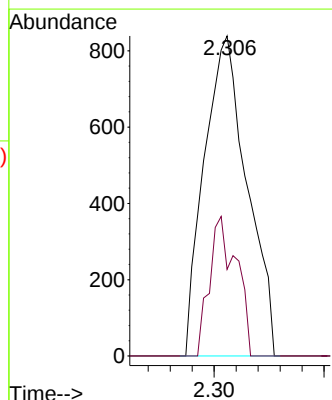
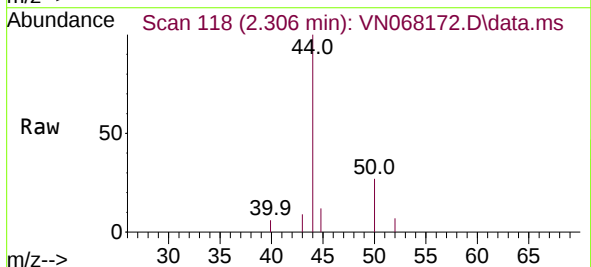
Instrument :
MSVOA_N
ClientSampled :
MW-4

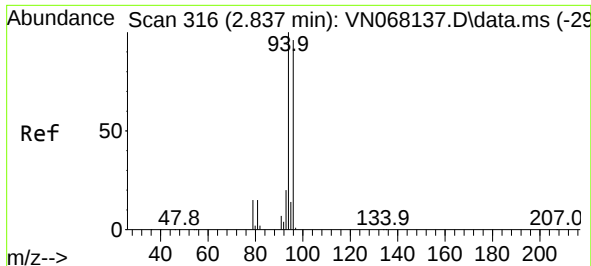
Tgt Ion:168 Resp: 394569
Ion Ratio Lower Upper
168 100
99 51.3 62.9 94.3#



#3
Chloromethane
Concen: 0.321 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 50 Resp: 1135
Ion Ratio Lower Upper
50 100
52 27.1 25.6 38.4

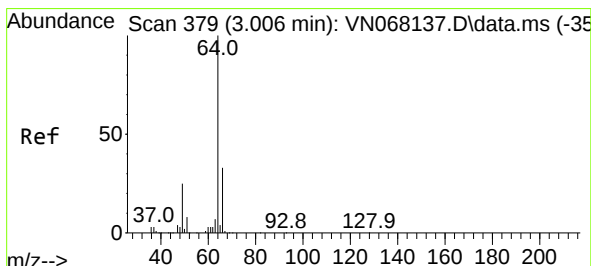
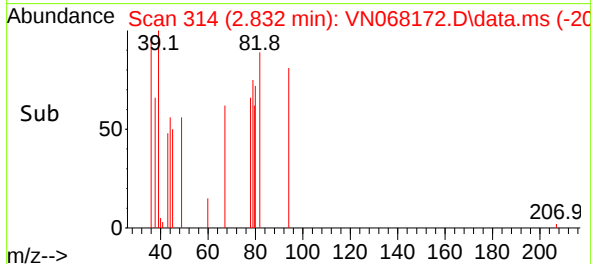
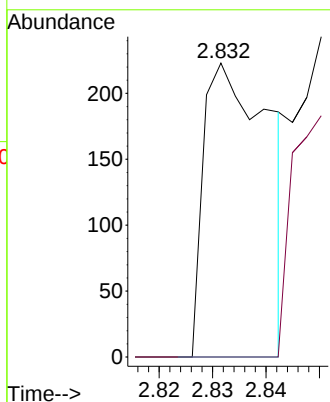
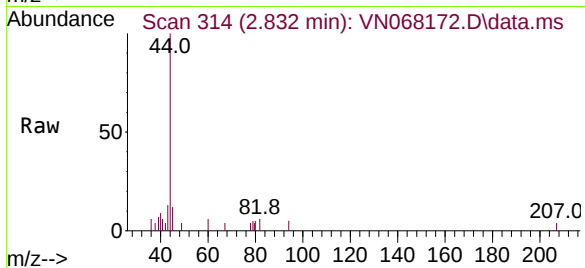




#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.005 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

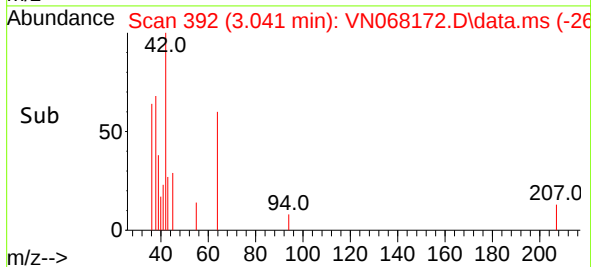
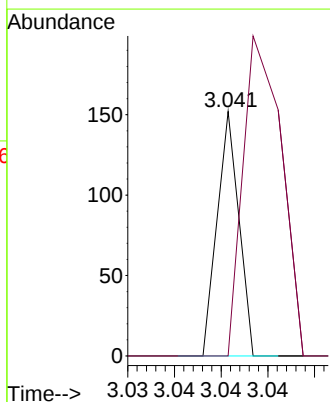
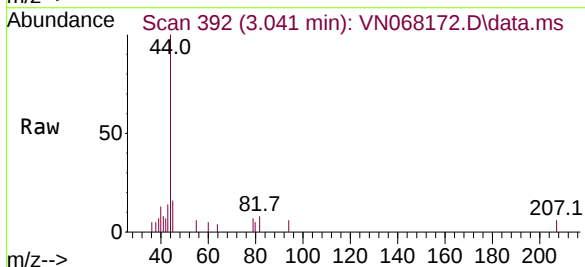
Instrument :
MSVOA_N
ClientSampleId :
MW-4

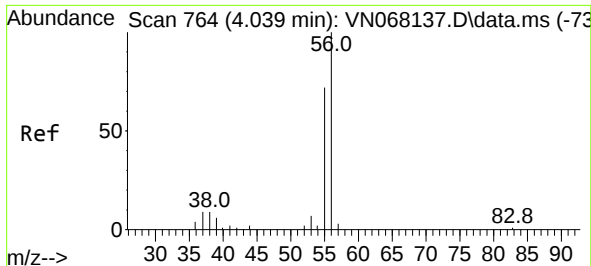
Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.041 min Scan# 392
Delta R.T. 0.035 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

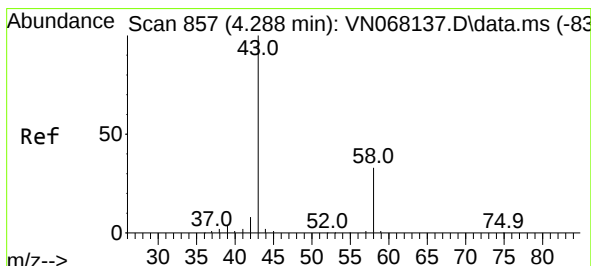
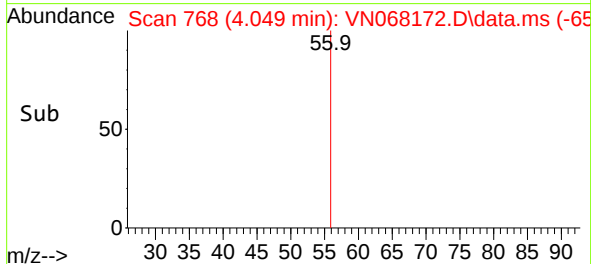
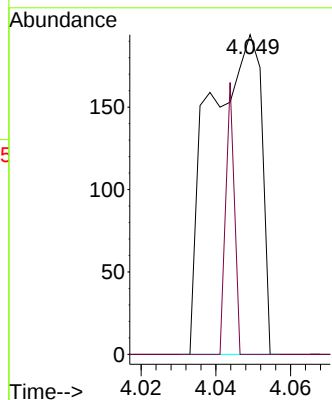
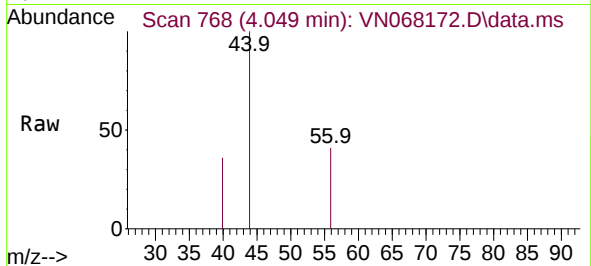




#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

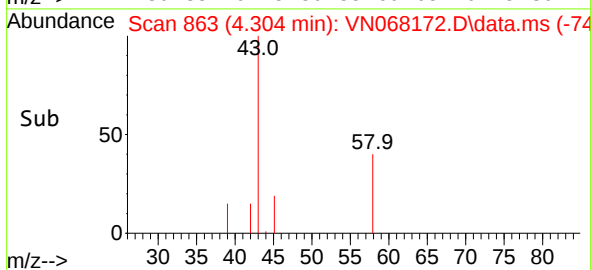
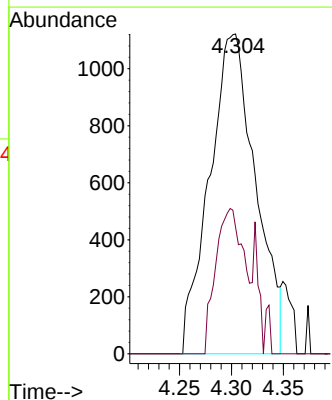
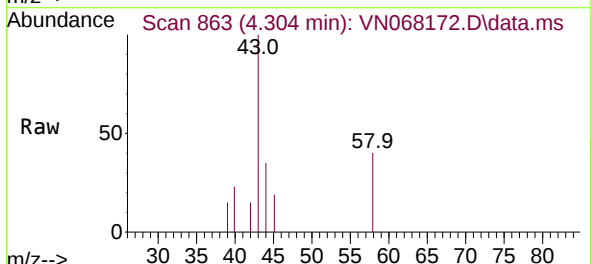
Instrument :
MSVOA_N
ClientSampled :
MW-4

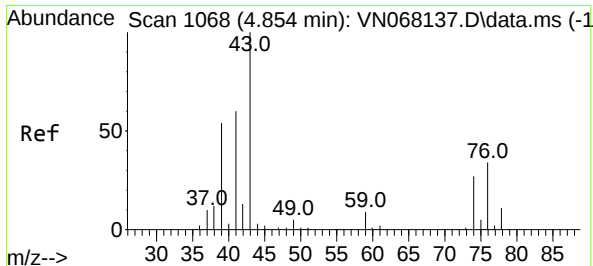
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 14.5 57.4 86.0#



#16
Acetone
Concen: 2.821 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 43 Resp: 3470
Ion Ratio Lower Upper
43 100
58 39.6 21.2 31.8#

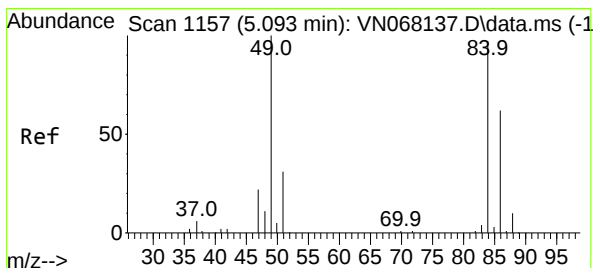
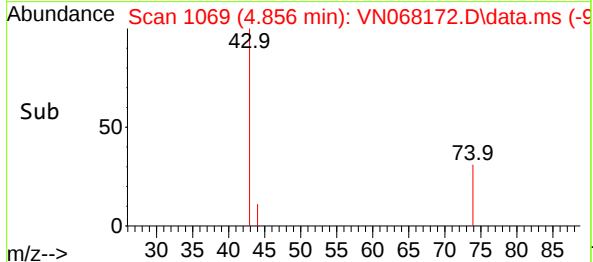
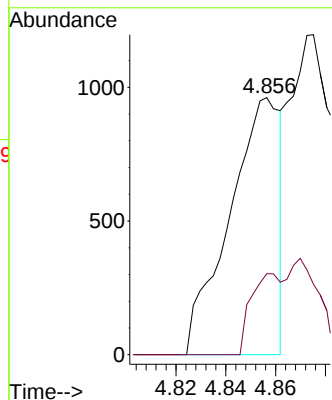
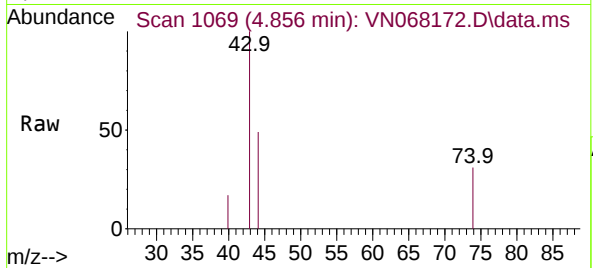




#18
Methyl Acetate
Concen: Below Cal
RT: 4.856 min Scan# 1069
Delta R.T. 0.002 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

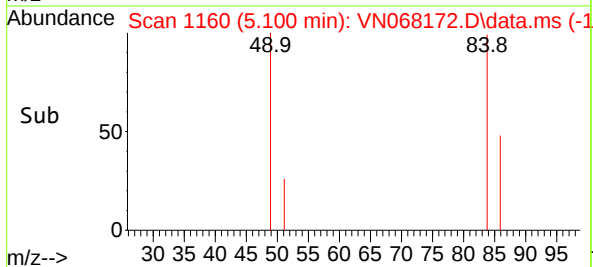
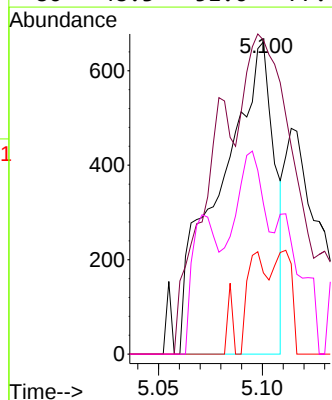
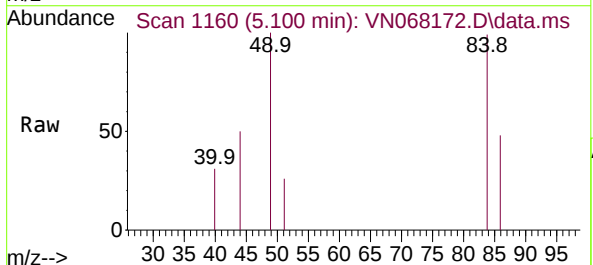
Instrument :
MSVOA_N
ClientSampled :
MW-4

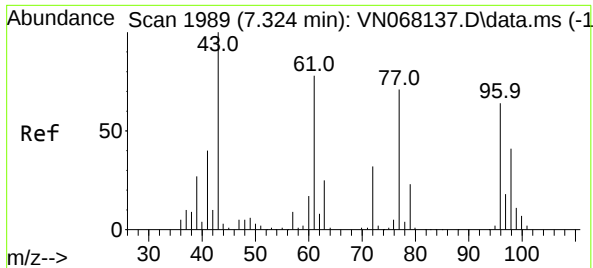
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
74 18.5 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.100 min Scan# 1160
Delta R.T. 0.007 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 84 Resp: 1196
Ion Ratio Lower Upper
84 100
49 77.2 110.9 166.3#
51 26.0 32.6 49.0#
86 48.3 51.6 77.4#



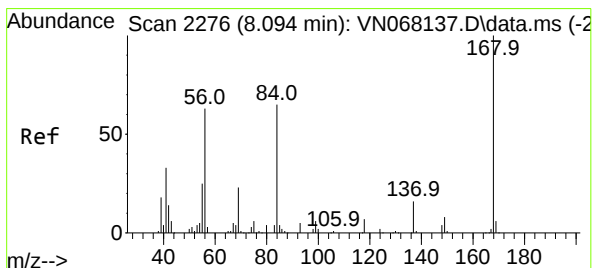
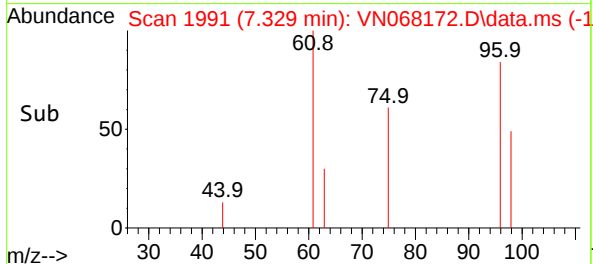
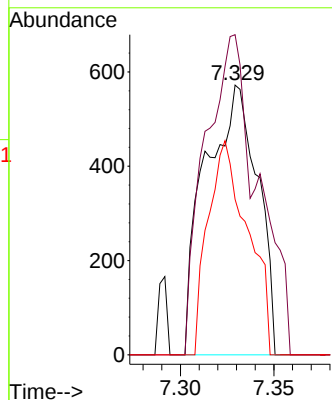
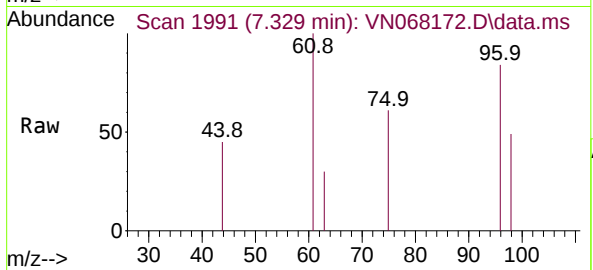


#27

cis-1,2-Dichloroethene
Concen: 0.259 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.005 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Instrument :
MSVOA_N
ClientSampleId :
MW-4

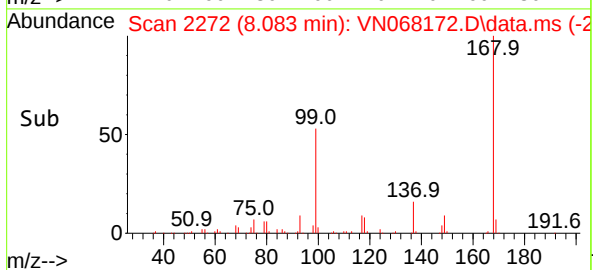
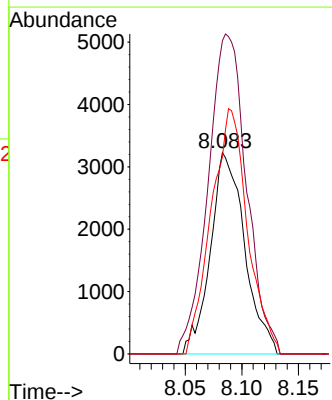
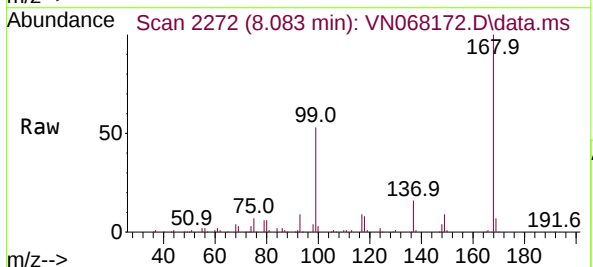
Tgt Ion:	96	Resp:	1110
Ion	Ratio	Lower	Upper
96	100		
61	120.6	0.0	338.8
98	60.5	0.0	129.8

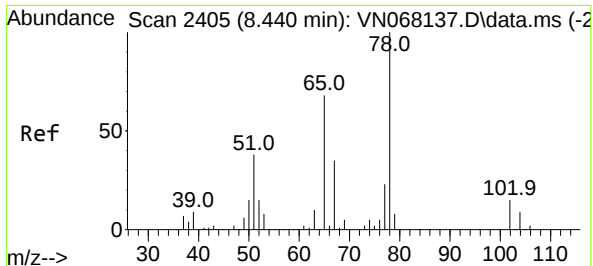


#31

Cyclohexane
Concen: 1.222 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion:	56	Resp:	6783
Ion	Ratio	Lower	Upper
56	100		
69	155.7	27.3	40.9#
84	98.0	64.9	97.3#

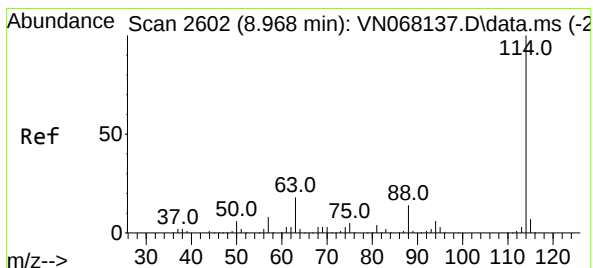
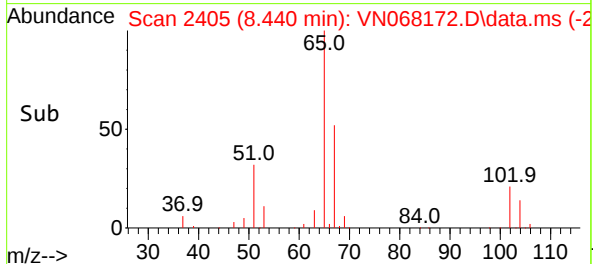
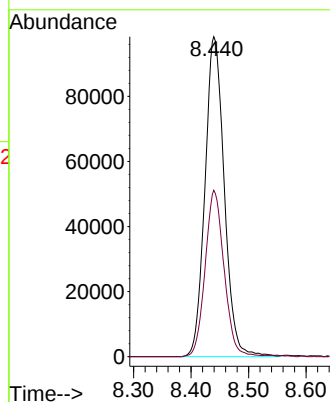
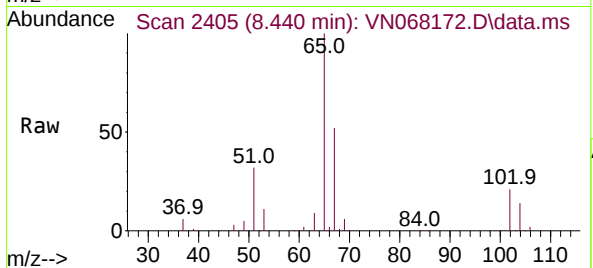




#33
 1,2-Dichloroethane-d4
 Concen: 54.530 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068172.D
 Acq: 18 Aug 2021 4:20

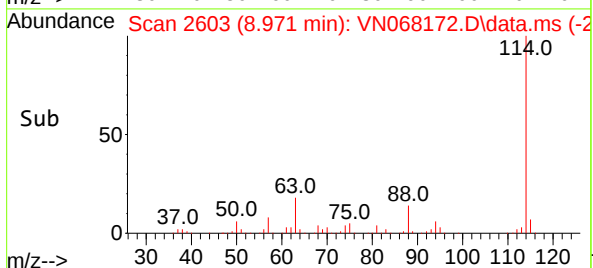
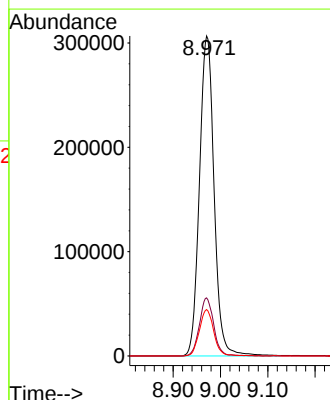
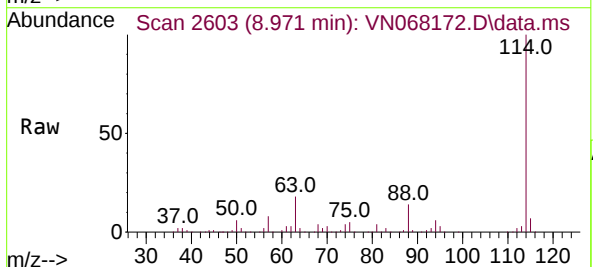
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 ClientSampleId :
 MW-4

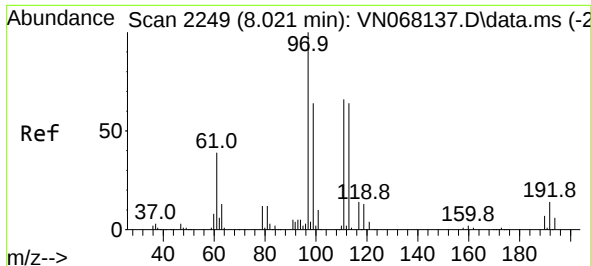
Tgt Ion: 65 Resp: 229731
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068172.D
 Acq: 18 Aug 2021 4:20

Tgt Ion: 114 Resp: 659558
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 49.0
 88 14.5 0.0 36.6

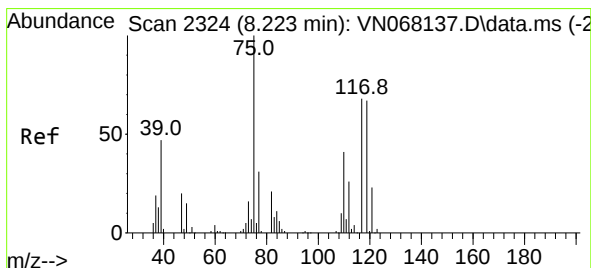
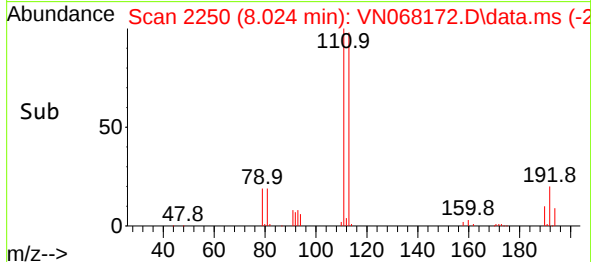
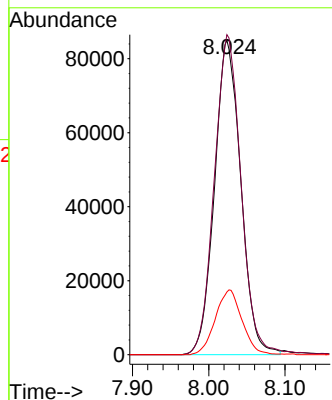
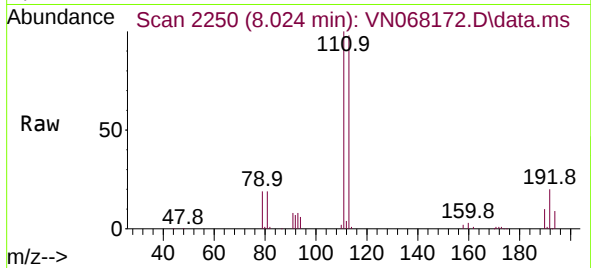




#35
Dibromofluoromethane
Concen: 49.152 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

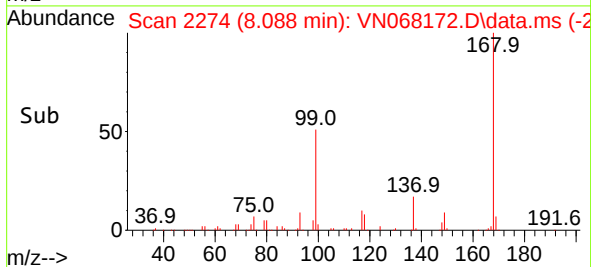
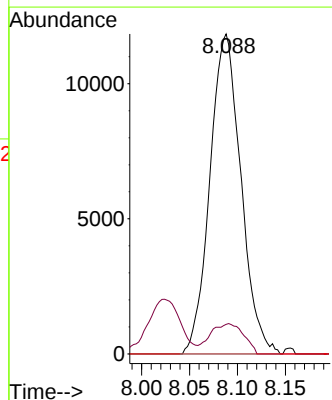
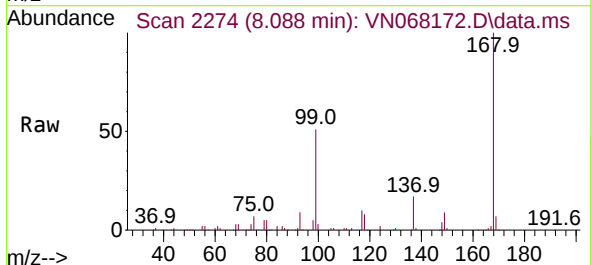
Instrument :
MSVOA_N
ClientSampled :
MW-4

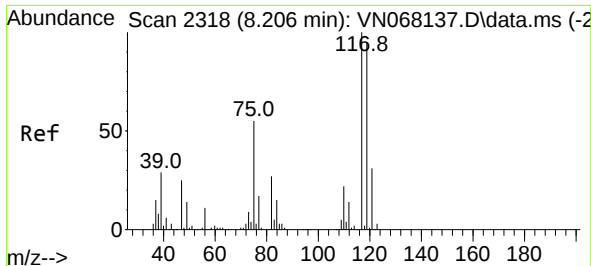
Tgt Ion:113 Resp: 203533
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 20.9 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 75 Resp: 26639
Ion Ratio Lower Upper
75 100
110 10.2 15.7 47.0#
77 0.0 24.6 37.0#

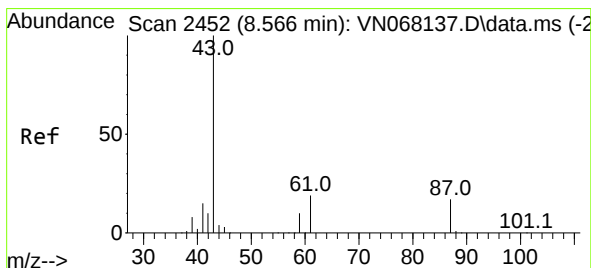
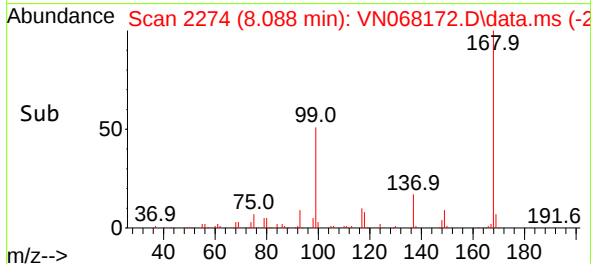
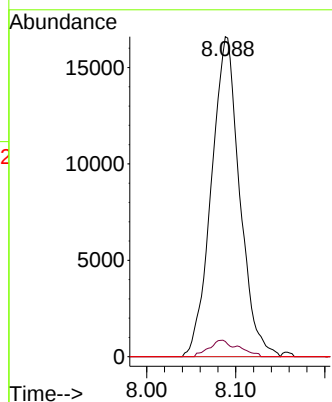
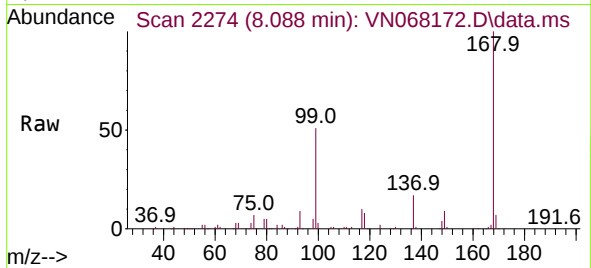




#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

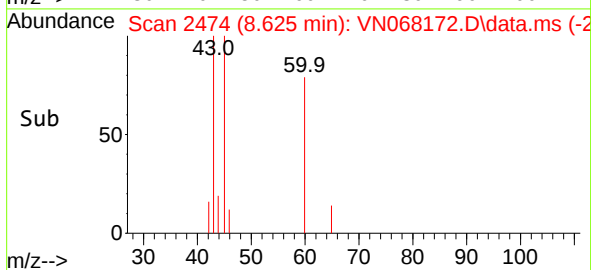
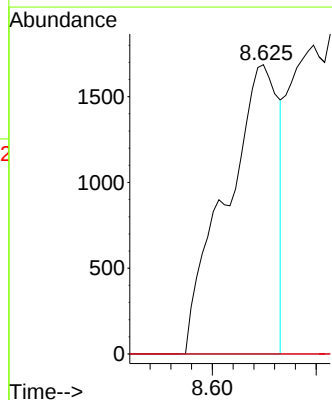
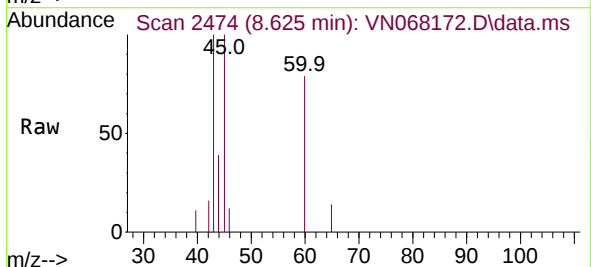
Instrument :
MSVOA_N
ClientSampled :
MW-4

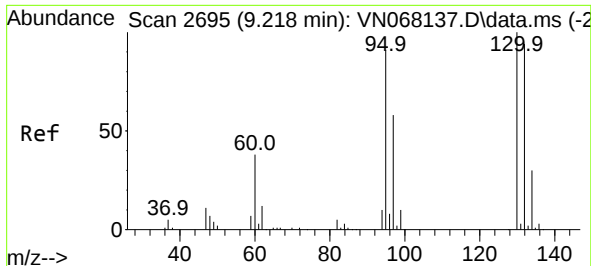
Tgt Ion:117 Resp: 36688
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.403 ug/l
RT: 8.625 min Scan# 2474
Delta R.T. 0.059 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 43 Resp: 2967
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

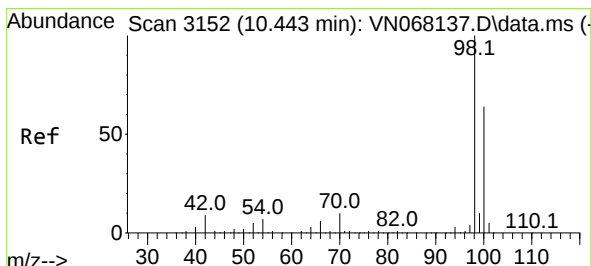
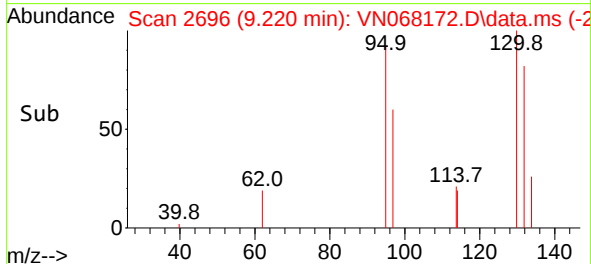
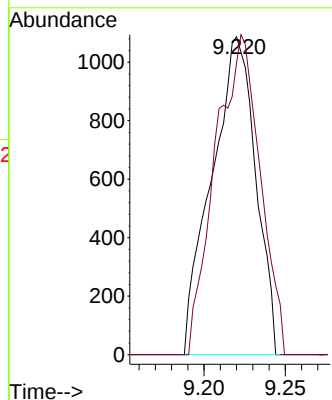
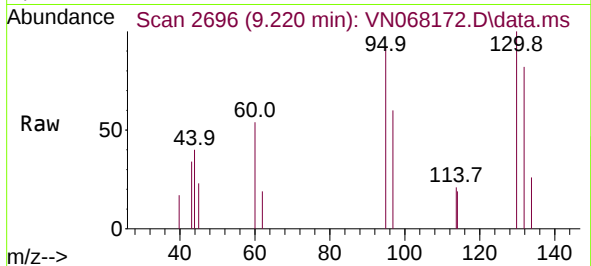




#44
Trichloroethene
Concen: 0.414 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.002 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

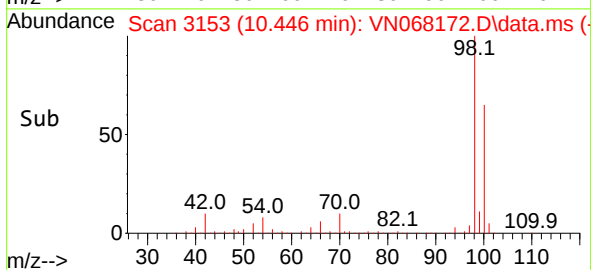
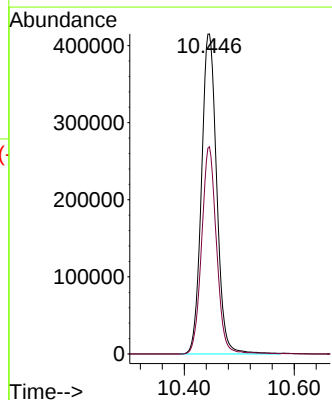
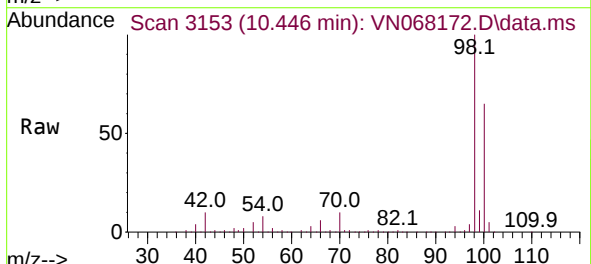
Instrument :
MSVOA_N
ClientSampled :
MW-4

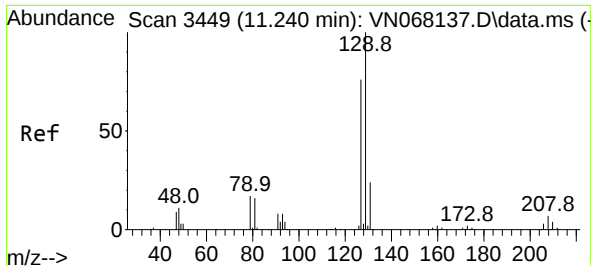
Tgt Ion:130 Resp: 2047
Ion Ratio Lower Upper
130 100
95 91.7 0.0 234.4



#50
Toluene-d8
Concen: 50.549 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 98 Resp: 797571
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

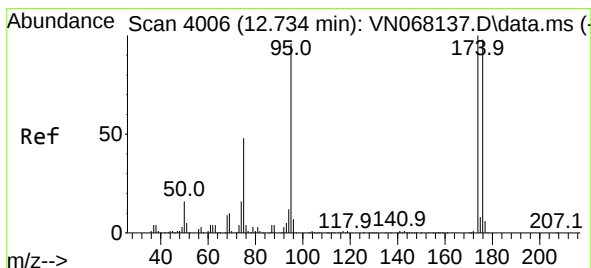
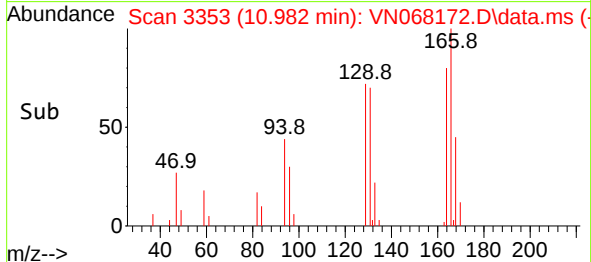
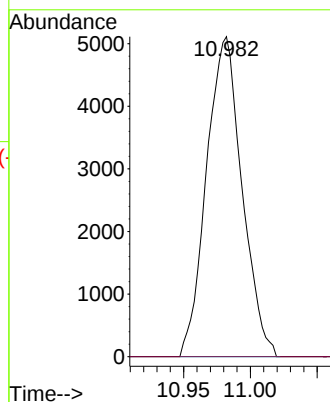
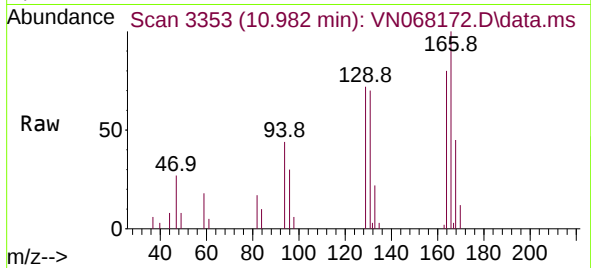




#60
Dibromochloromethane
Concen: 1.873 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

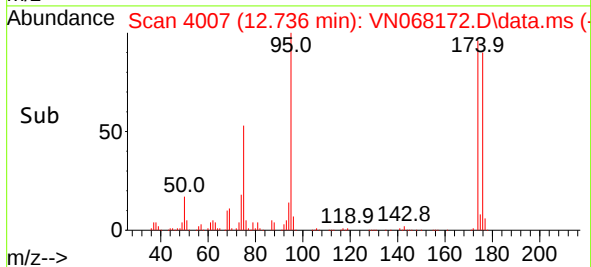
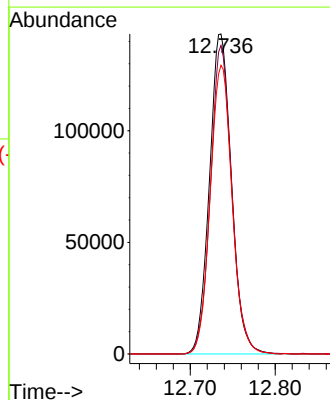
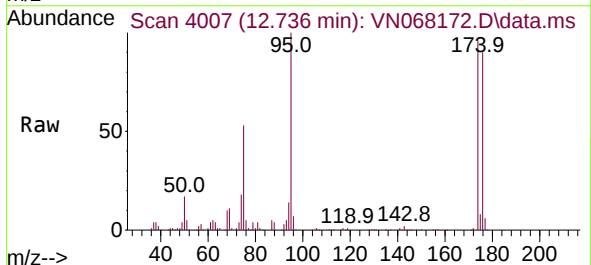
Instrument :
MSVOA_N
ClientSampled :
MW-4

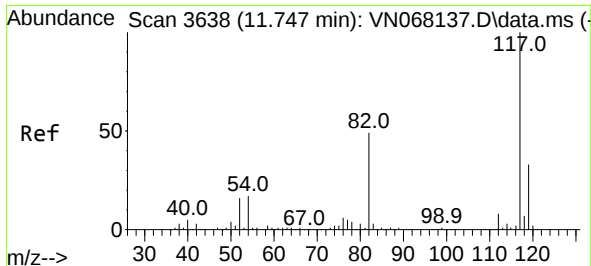
Tgt Ion:129 Resp: 9471
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.092 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 95 Resp: 257856
Ion Ratio Lower Upper
95 100
174 93.5 0.0 122.0
176 89.6 0.0 117.6

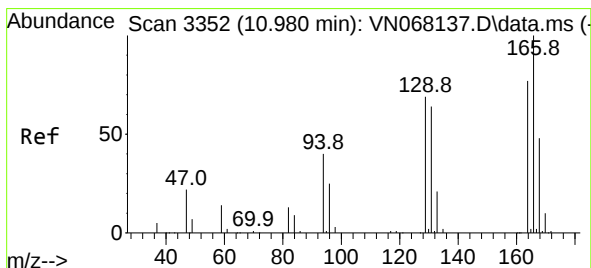
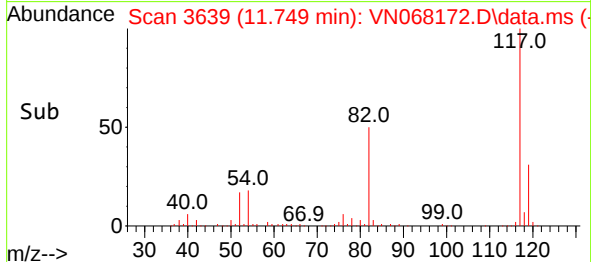
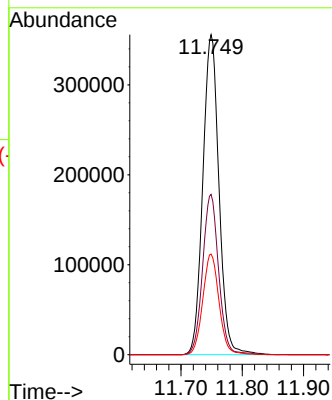
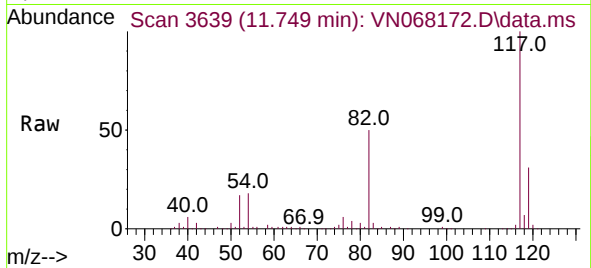




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

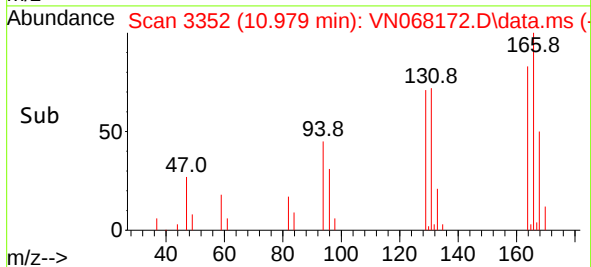
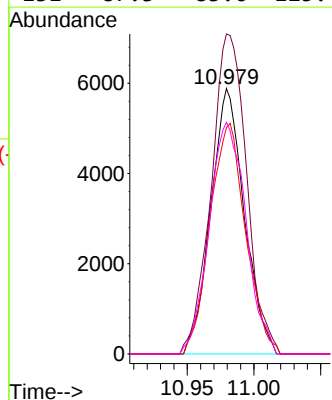
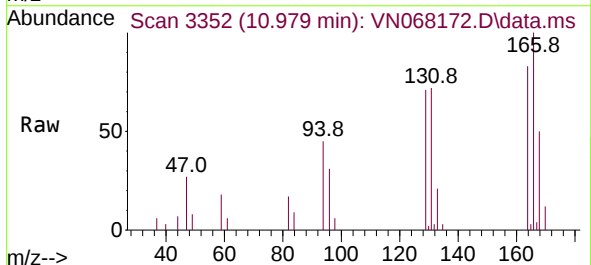
Instrument :
MSVOA_N
ClientSampleId :
MW-4

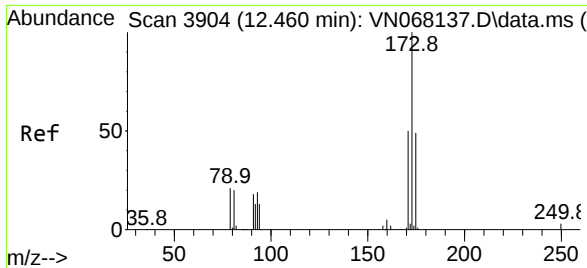
Tgt Ion:117 Resp: 651803
Ion Ratio Lower Upper
117 100
82 50.1 53.1 79.7#
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 2.046 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.001 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion:164 Resp: 10313
Ion Ratio Lower Upper
164 100
166 120.6 102.1 153.1
129 85.3 86.9 130.3#
131 87.3 83.6 125.4

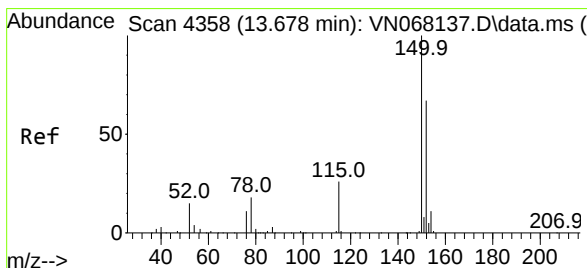
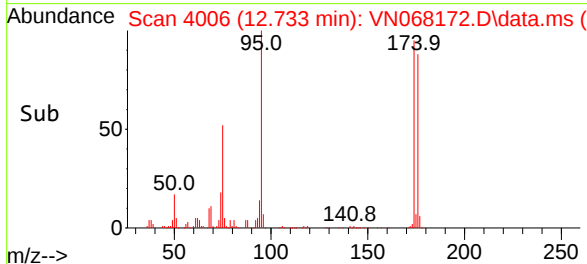
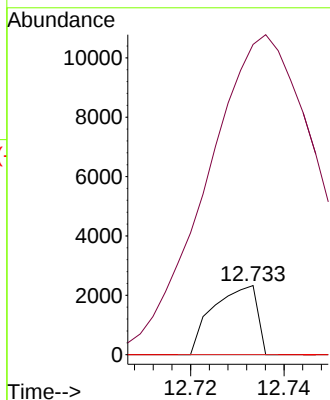
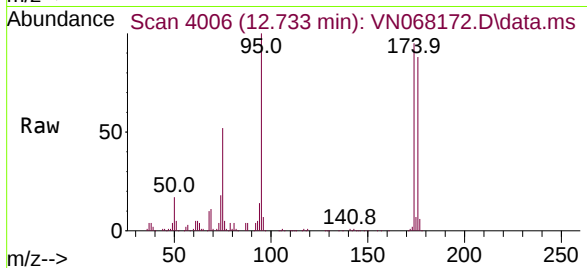




#71
Bromoform
Concen: 0.376 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

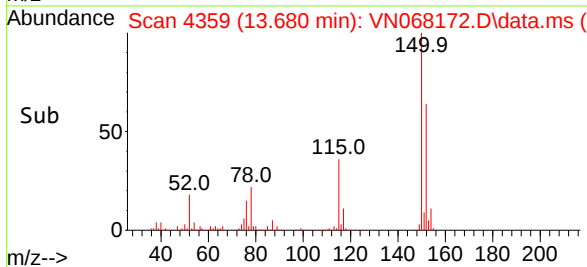
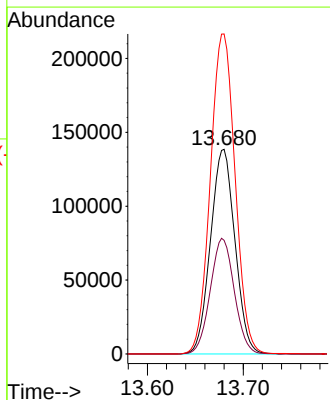
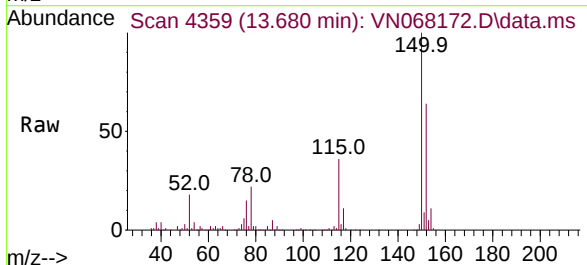
Instrument :
MSVOA_N
ClientSampleId :
MW-4

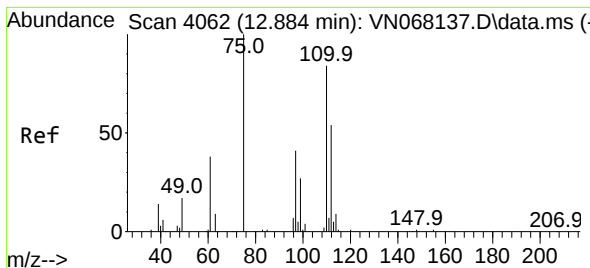
Tgt Ion:173 Resp: 1520
Ion Ratio Lower Upper
173 100
175 1092.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion:152 Resp: 245384
Ion Ratio Lower Upper
152 100
115 55.5 36.1 108.5
150 158.2 0.0 351.8

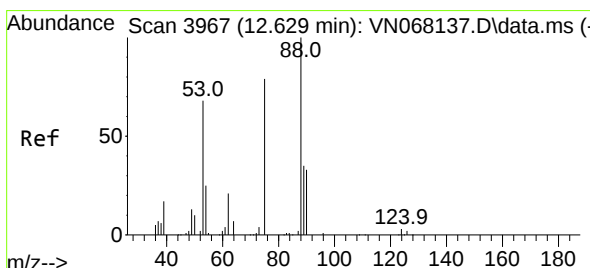
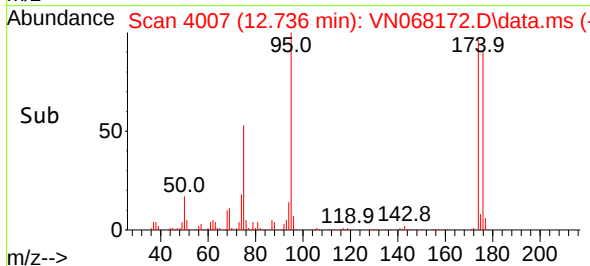
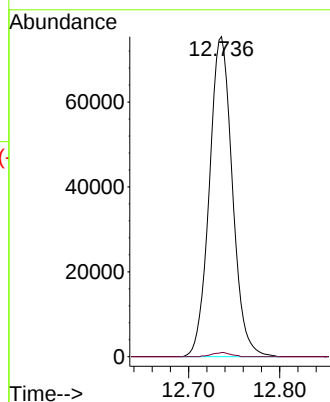
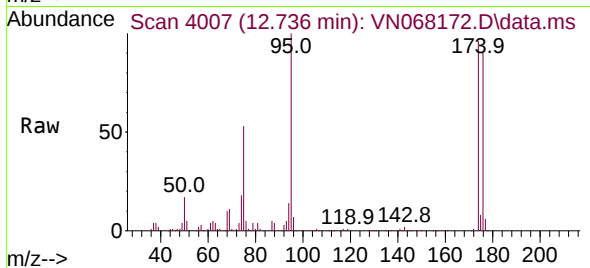




#76
1,2,3-Trichloropropane
Concen: 32.432 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

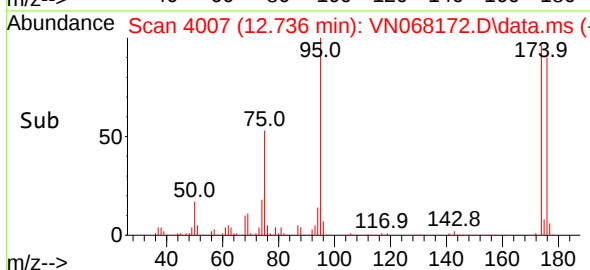
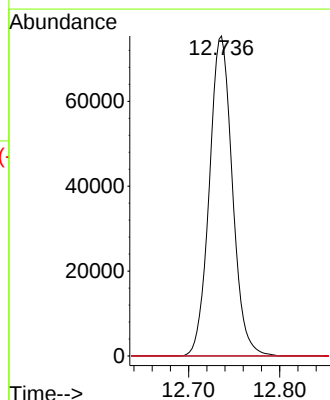
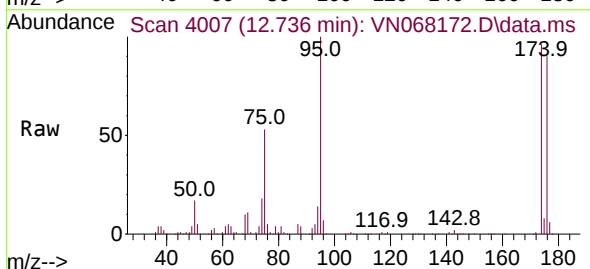
Instrument :
MSVOA_N
ClientSampled :
MW-4

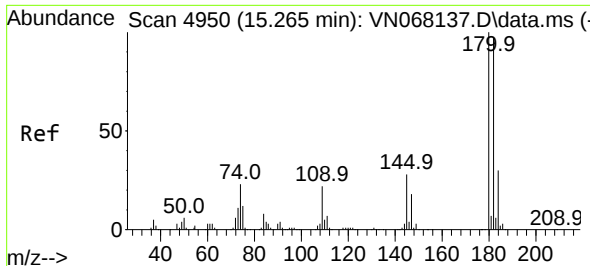
Tgt Ion: 75 Resp: 132277
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.254 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion: 75 Resp: 132277
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

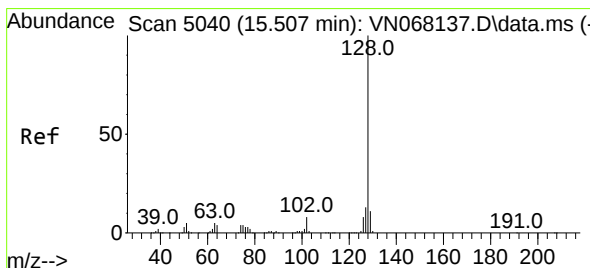
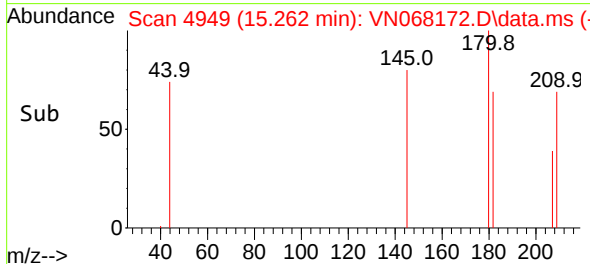
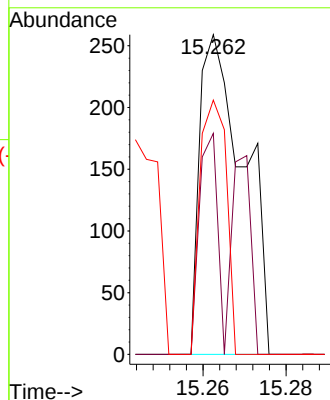
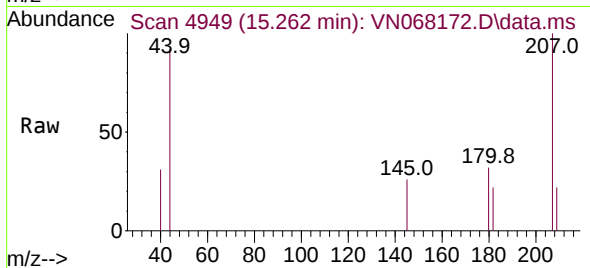




#93
1,2,4-Trichlorobenzene
Concen: 2.729 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

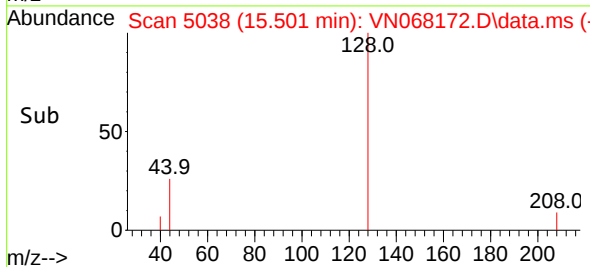
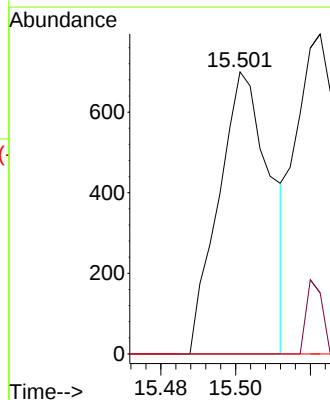
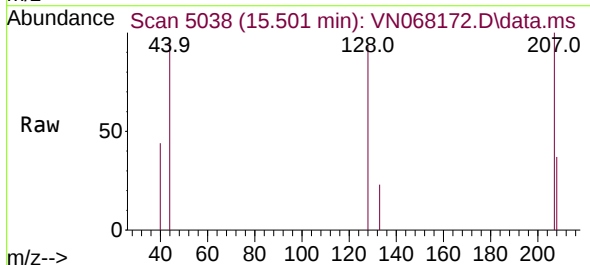
Instrument :
MSVOA_N
ClientSampled :
MW-4

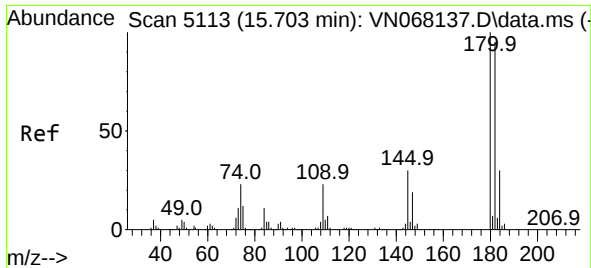
Tgt Ion:180 Resp: 190
Ion Ratio Lower Upper
180 100
182 28.4 47.5 142.5#
145 47.9 17.2 51.6



#95
Naphthalene
Concen: 3.409 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068172.D
Acq: 18 Aug 2021 4:20

Tgt Ion:128 Resp: 667
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.879 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.003 min
 Lab File: VN068172.D
 Acq: 18 Aug 2021 4:20

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tgt Ion:180 Resp: 197
 Ion Ratio Lower Upper
 180 100
 182 151.3 47.8 143.3#
 145 43.1 18.2 54.6

