

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069839.D
 Acq On : 8 Dec 2021 2:51
 Operator : JC/MD
 Sample : M4957-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D1-20211206

Quant Time: Dec 08 06:37:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

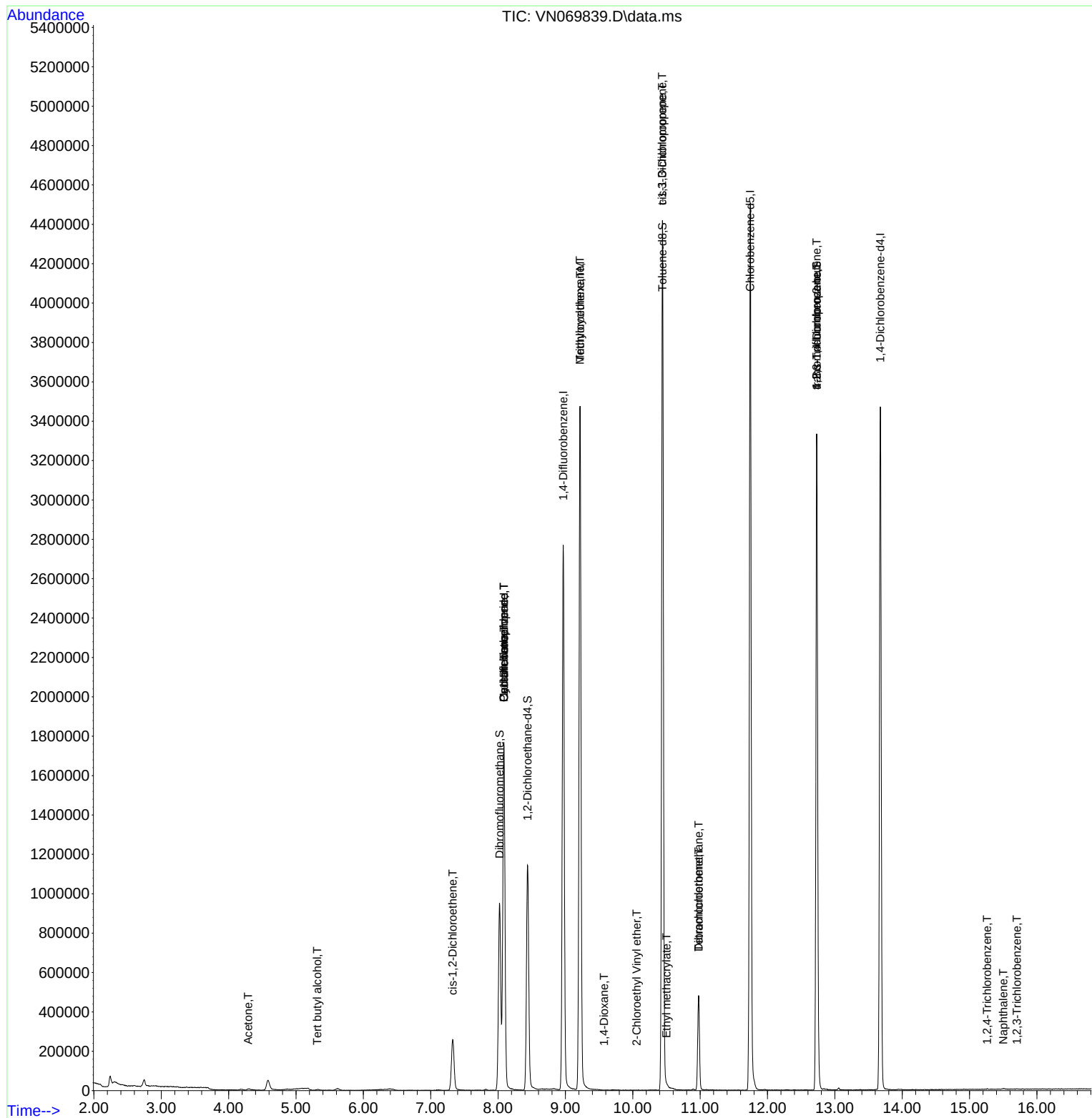
Internal Standards						
1) Pentafluorobenzene	8.088	168	1304974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2337117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2493475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	945289	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1007969	50.03	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.06%			
35) Dibromofluoromethane	8.021	113	695876	47.54	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.08%			
50) Toluene-d8	10.440	98	3037197	51.67	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.34%			
62) 4-Bromofluorobenzene	12.731	95	1155393	54.26	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.52%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.315	59	3048	0.80	ug/l #	71
16) Acetone	4.288	43	3357	0.28	ug/l	99
27) cis-1,2-Dichloroethene	7.327	96	148091	9.08	ug/l	96
31) Cyclohexane	8.088	56	33043	1.18	ug/l #	27
36) 1,1-Dichloropropene	8.086	75	111149	5.00	ug/l #	50
38) Carbon Tetrachloride	8.088	117	137264	6.29	ug/l #	16
39) Methylcyclohexane	9.215	83	16427	0.62	ug/l #	1
44) Trichloroethene	9.217	130	1227907	75.65	ug/l	91
49) 1,4-Dioxane	9.571	88	116	0.28	ug/l #	1
53) t-1,3-Dichloropropene	10.438	75	1091	2.83	ug/l #	1
54) cis-1,3-Dichloropropene	10.438	75	1126	2.04	ug/l #	1
56) Ethyl methacrylate	10.499	69	234	2.29	ug/l #	26
58) 2-Chloroethyl Vinyl ether	10.057	63	96	18.40	ug/l #	45
60) Dibromochloromethane	10.977	129	102292	7.80	ug/l #	11
64) Tetrachloroethene	10.977	164	109383	6.47	ug/l	96
76) 1,2,3-Trichloropropane	12.731	75	652486	24.07	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	652486	76.44	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	335	2.90	ug/l	76
95) Naphthalene	15.501	128	2047	4.03	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.702	180	717	2.48	ug/l #	59

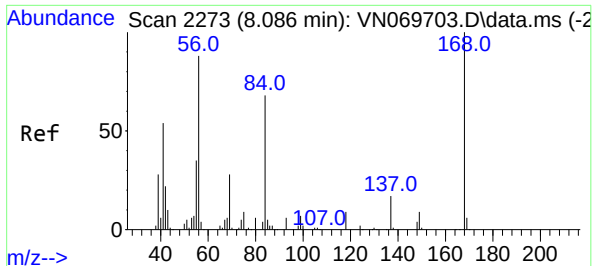
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
Data File : VN069839.D
Acq On : 8 Dec 2021 2:51
Operator : JC/MD
Sample : M4957-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

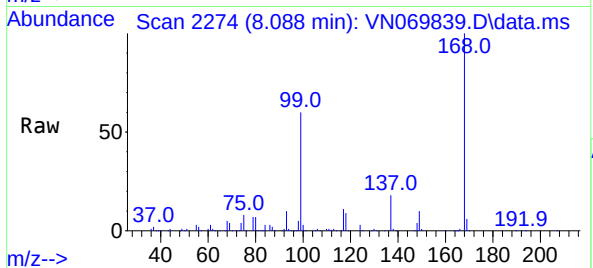
Quant Time: Dec 08 06:37:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



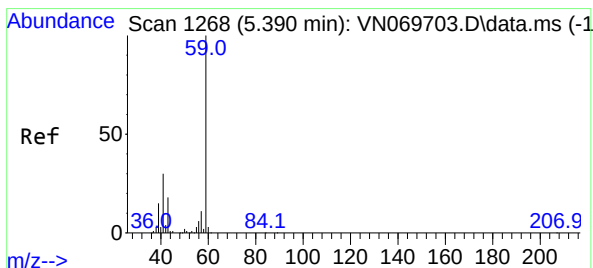
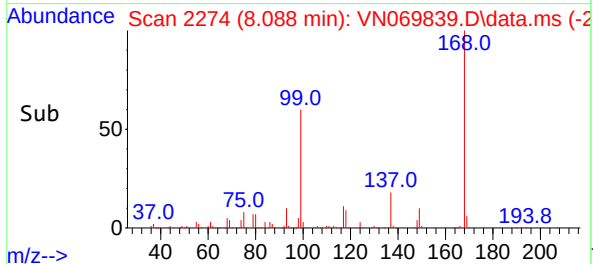
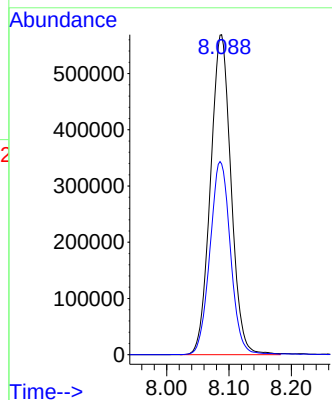


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

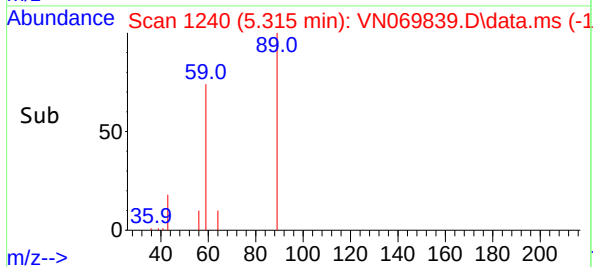
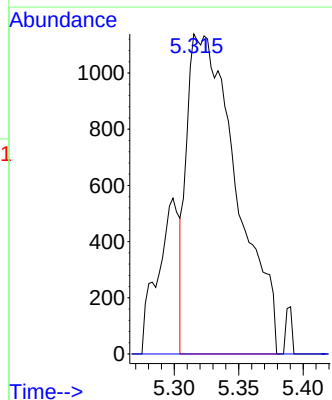
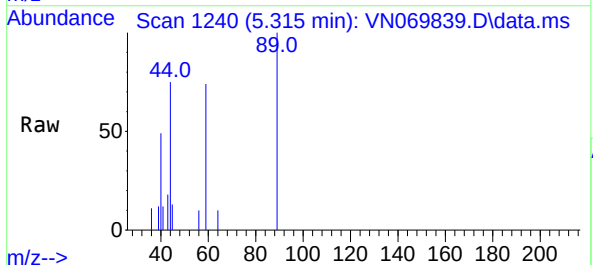


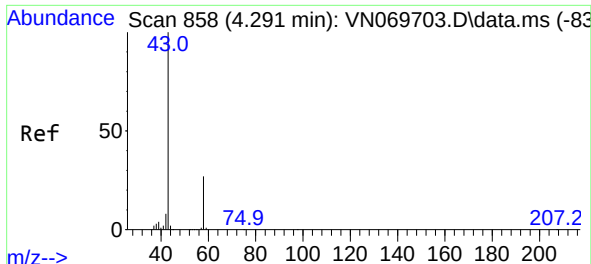
Tgt Ion:168 Resp: 1304974
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.80 ug/l
RT: 5.315 min Scan# 1240
Delta R.T. -0.075 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 59 Resp: 3048
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

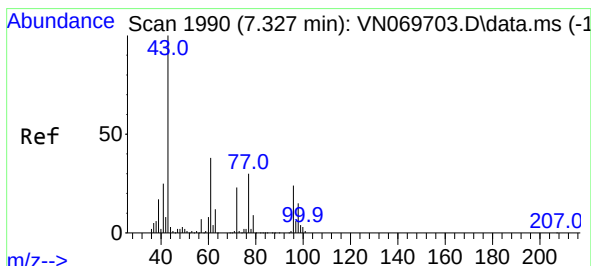
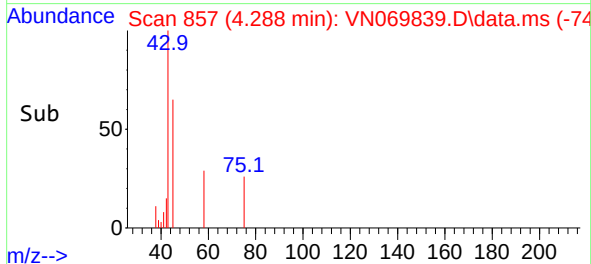
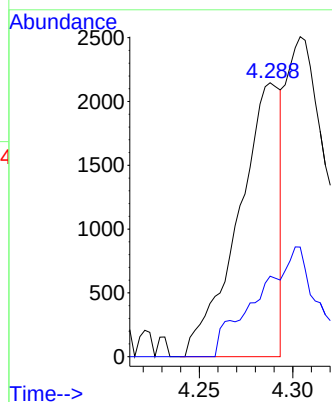
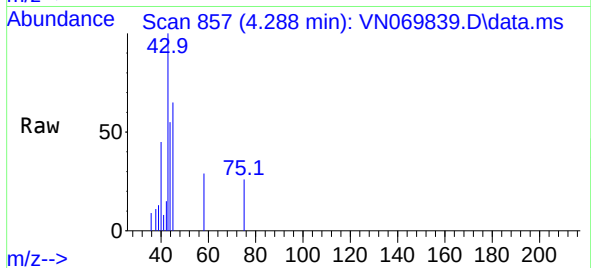




#16
Acetone
Concen: 0.28 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

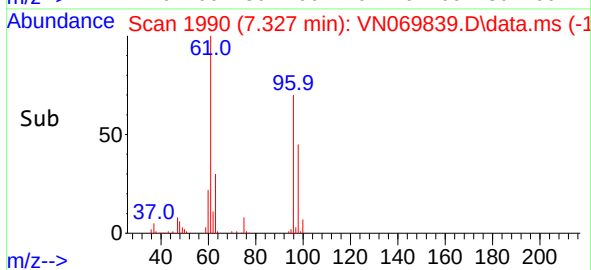
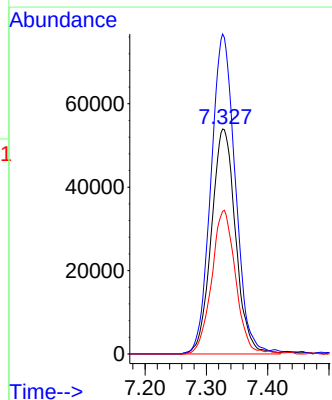
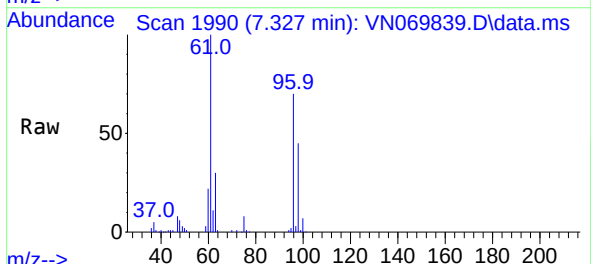
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

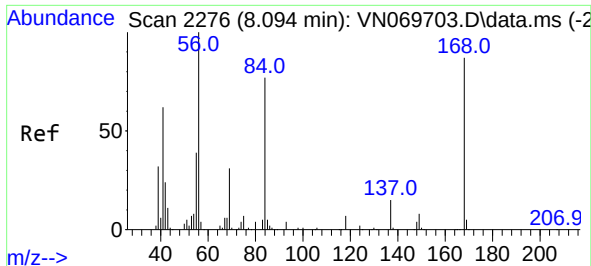
Tgt Ion: 43 Resp: 3357
Ion Ratio Lower Upper
43 100
58 29.4 23.1 34.7



#27
cis-1,2-Dichloroethene
Concen: 9.08 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 96 Resp: 148091
Ion Ratio Lower Upper
96 100
61 142.3 0.0 275.0
98 62.6 0.0 129.6

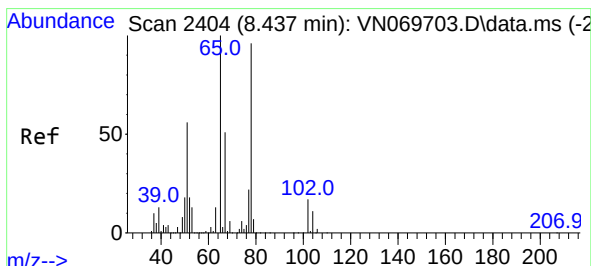
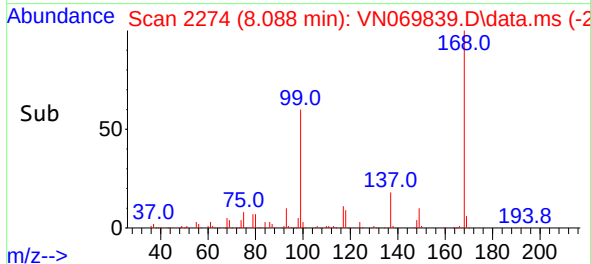
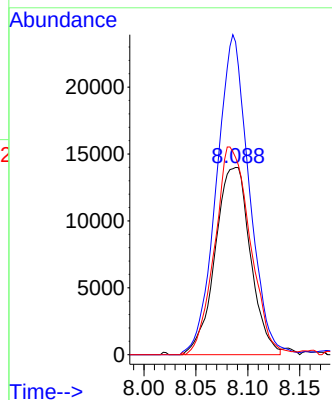
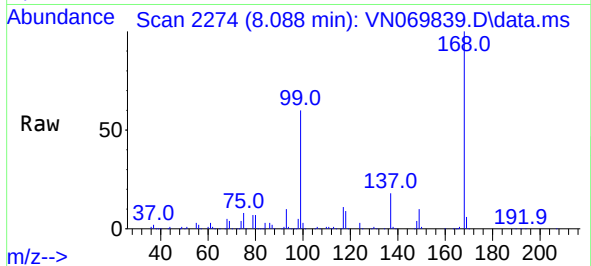




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

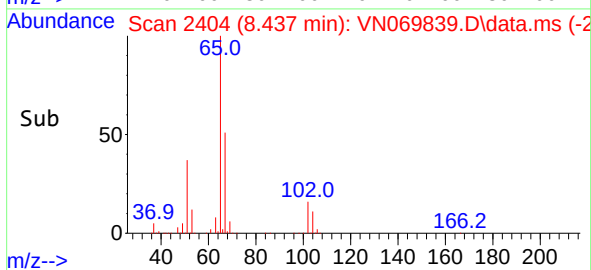
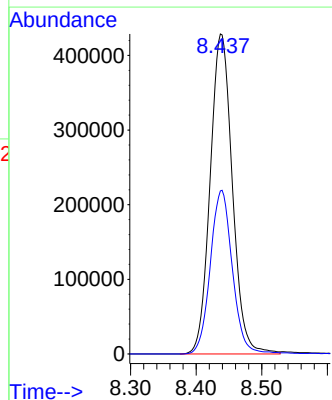
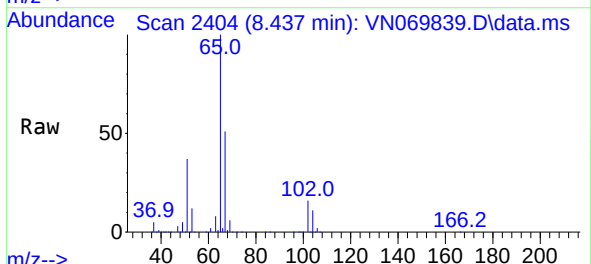
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

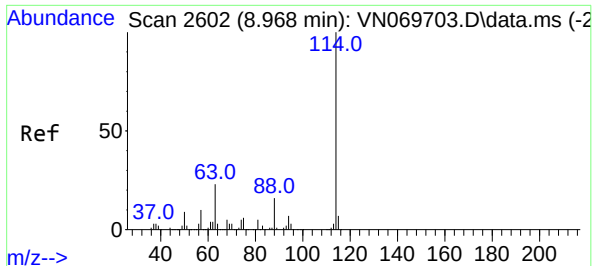
Tgt Ion: 56 Resp: 33043
Ion Ratio Lower Upper
56 100
69 167.2 27.1 40.7#
84 105.4 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.03 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

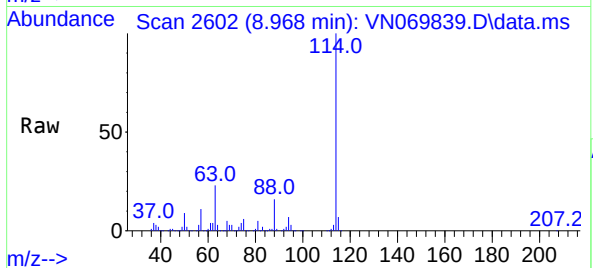
Tgt Ion: 65 Resp: 1007969
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0



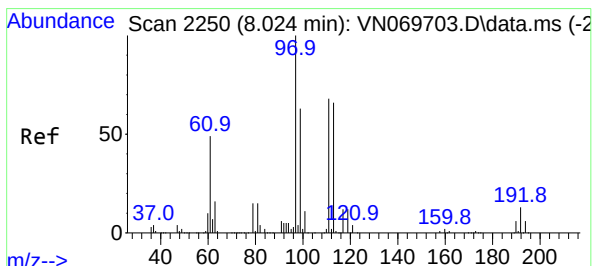
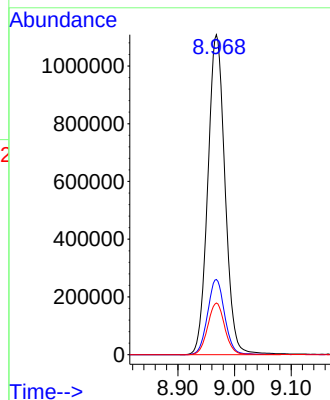
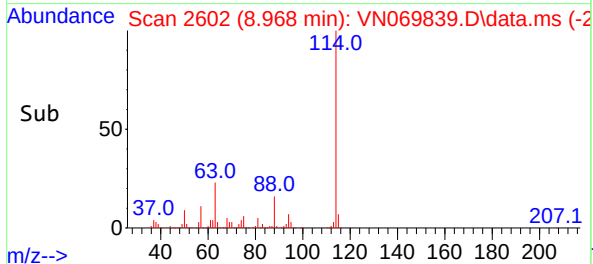


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

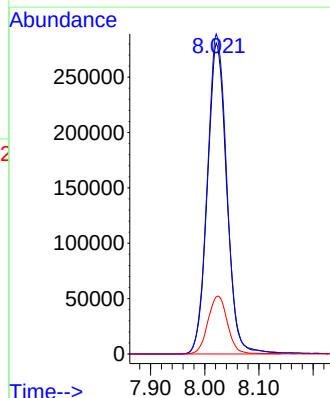
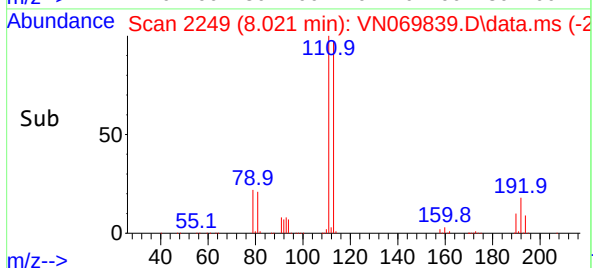
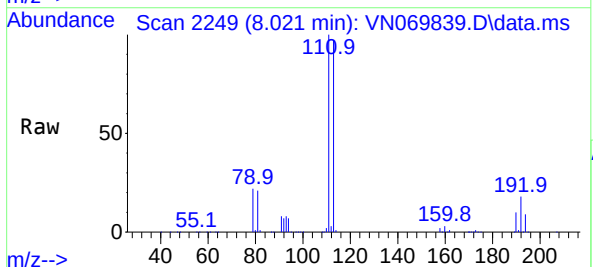


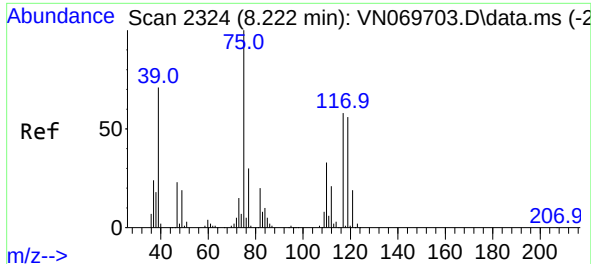
Tgt Ion:114 Resp: 2337117
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.54 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion:113 Resp: 695876
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.00 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN069839.D

Acq: 8 Dec 2021 2:51

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20211206

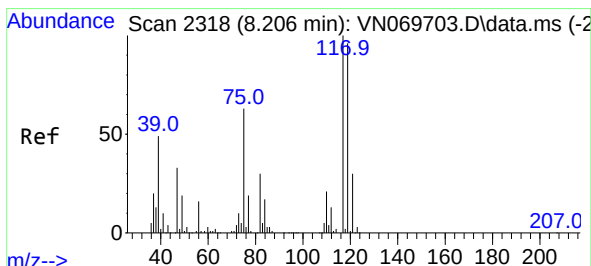
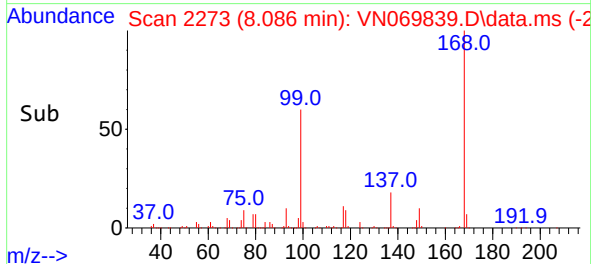
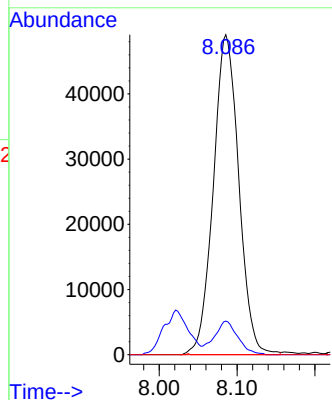
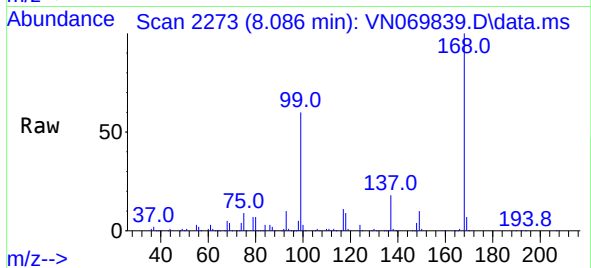
Tgt Ion: 75 Resp: 111149

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.29 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.118 min

Lab File: VN069839.D

Acq: 8 Dec 2021 2:51

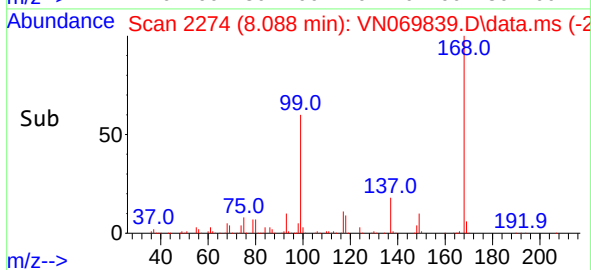
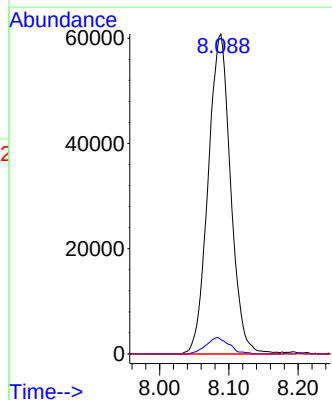
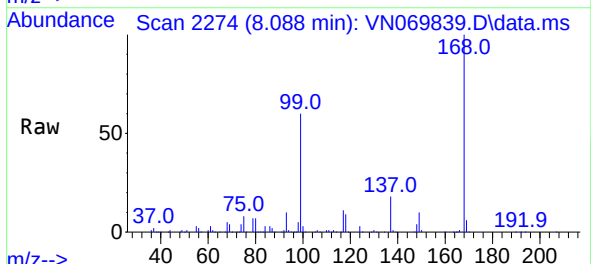
Tgt Ion: 117 Resp: 137264

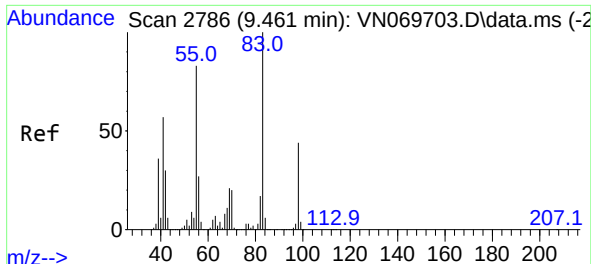
Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.62 ug/l

RT: 9.215 min Scan# 2

Delta R.T. -0.247 min

Lab File: VN069839.D

Acq: 8 Dec 2021 2:51

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20211206

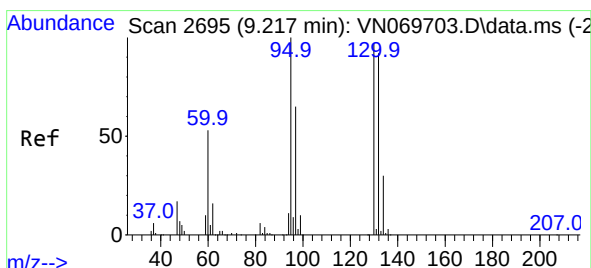
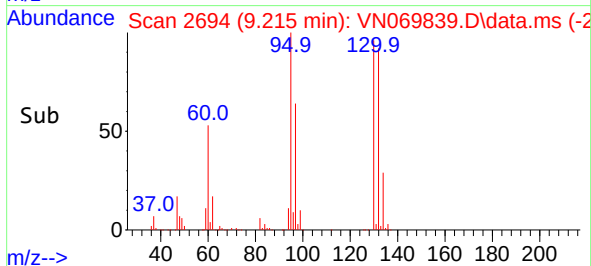
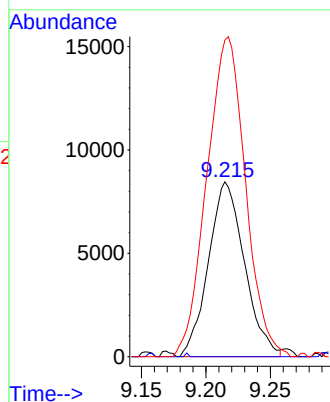
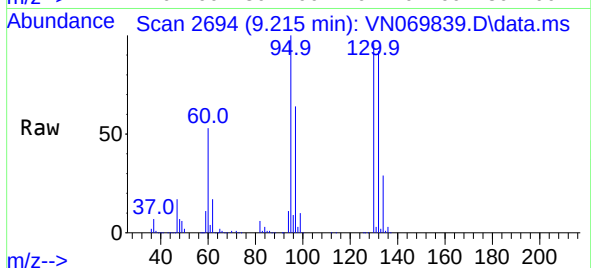
Tgt Ion: 83 Resp: 16427

Ion Ratio Lower Upper

83 100

55 0.0 58.1 87.1#

98 176.6 38.4 57.6#



#44

Trichloroethene

Concen: 75.65 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN069839.D

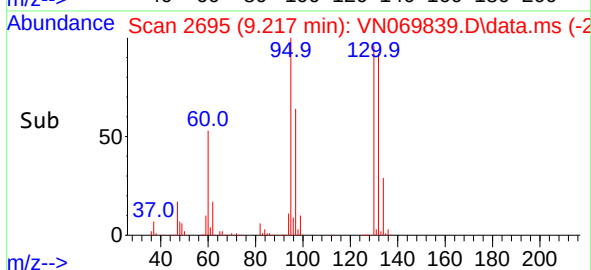
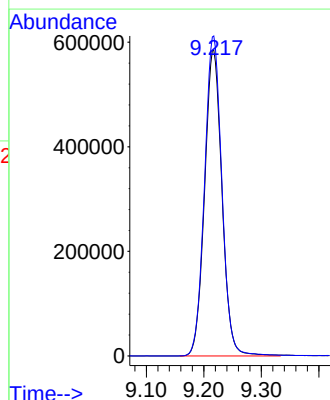
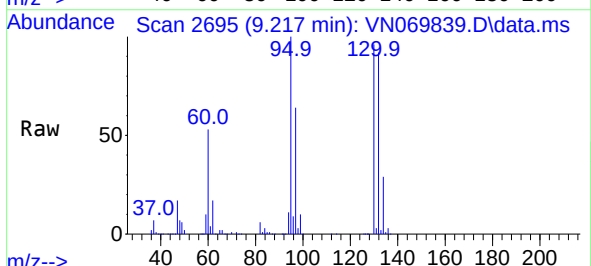
Acq: 8 Dec 2021 2:51

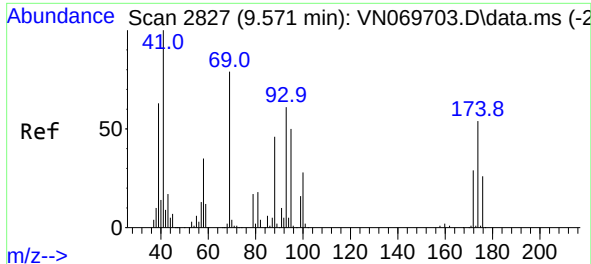
Tgt Ion:130 Resp: 1227907

Ion Ratio Lower Upper

130 100

95 104.6 0.0 191.2





#49

1,4-Dioxane

Concen: 0.28 ug/l

RT: 9.571 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069839.D

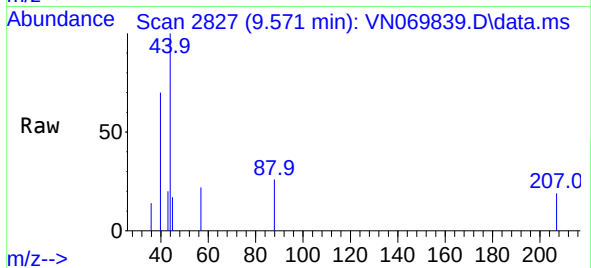
Acq: 8 Dec 2021 2:51

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20211206



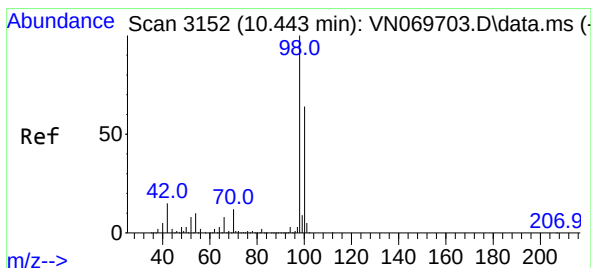
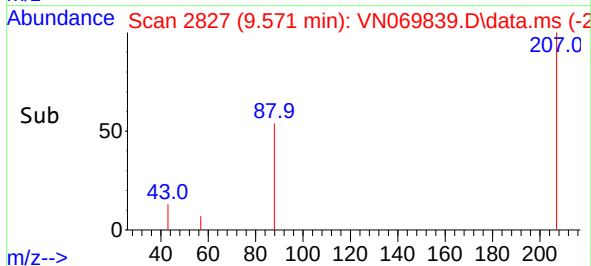
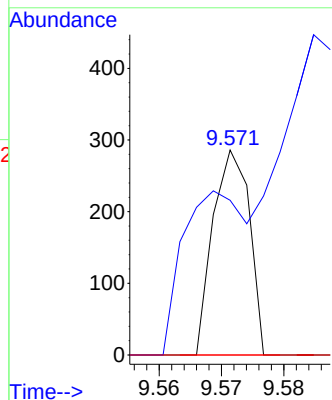
Tgt Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

43 137.9 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 51.67 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069839.D

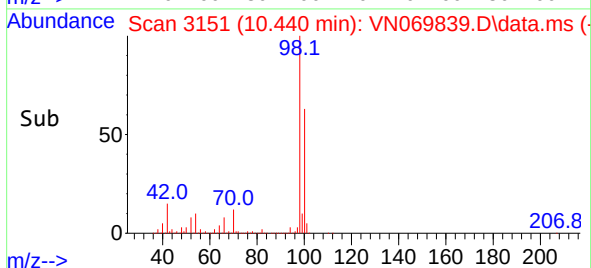
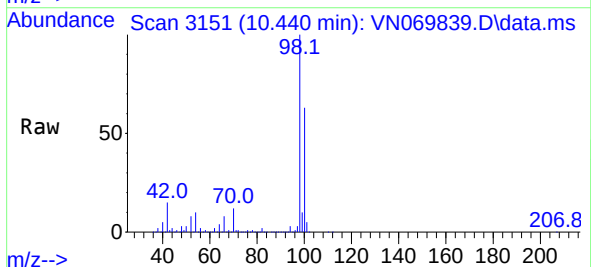
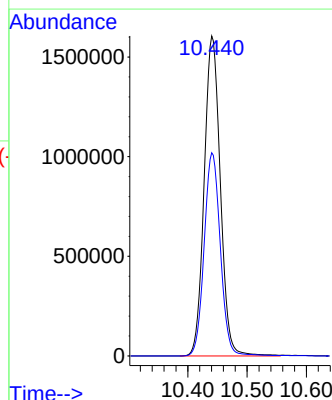
Acq: 8 Dec 2021 2:51

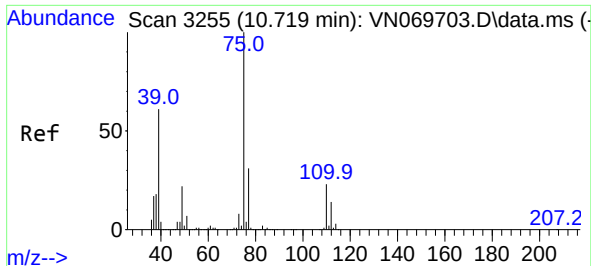
Tgt Ion: 98 Resp: 3037197

Ion Ratio Lower Upper

98 100

100 63.7 50.4 75.6

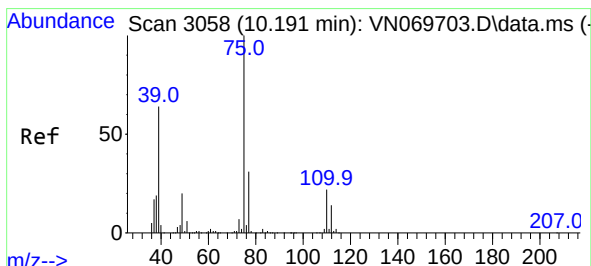
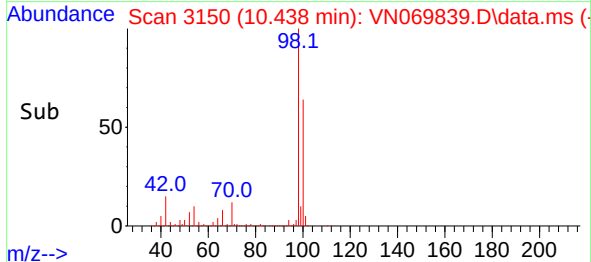
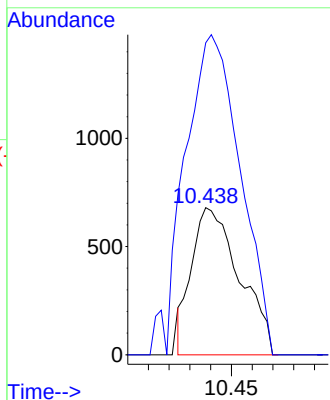
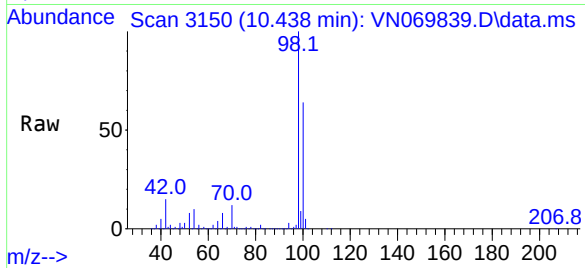




#53
t-1,3-Dichloropropene
Concen: 2.83 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.281 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

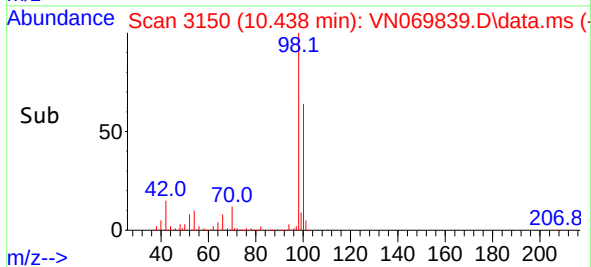
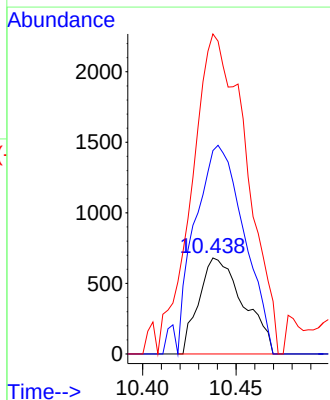
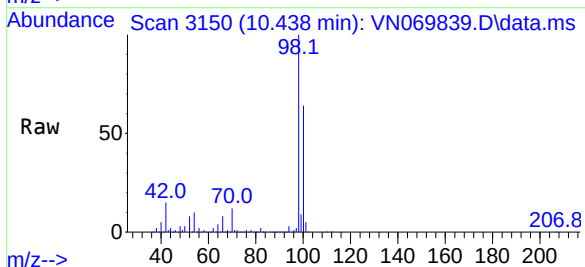
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

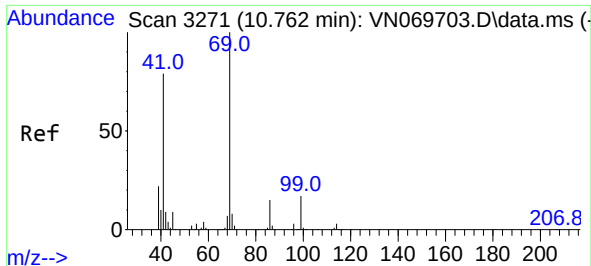
Tgt Ion: 75 Resp: 1091
Ion Ratio Lower Upper
75 100
77 211.9 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.04 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.247 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

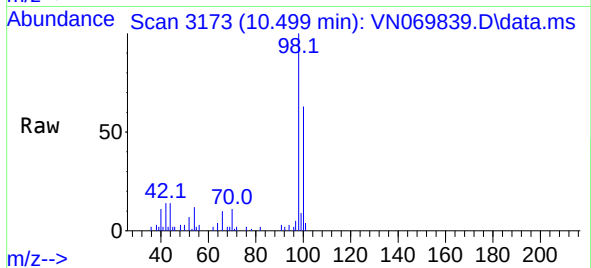
Tgt Ion: 75 Resp: 1126
Ion Ratio Lower Upper
75 100
77 211.9 26.4 39.6#
39 333.5 42.5 63.7#



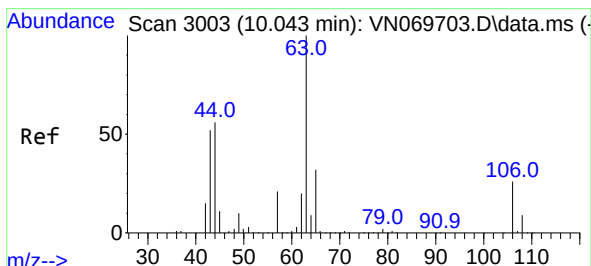
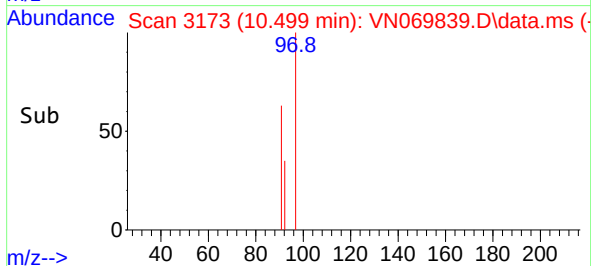
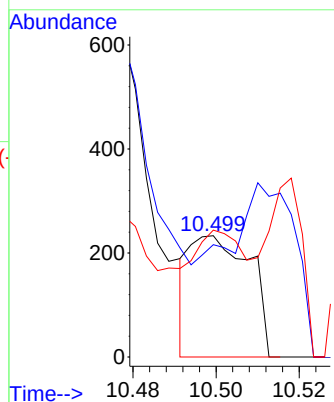


#56
Ethyl methacrylate
Concen: 2.29 ug/l
RT: 10.499 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

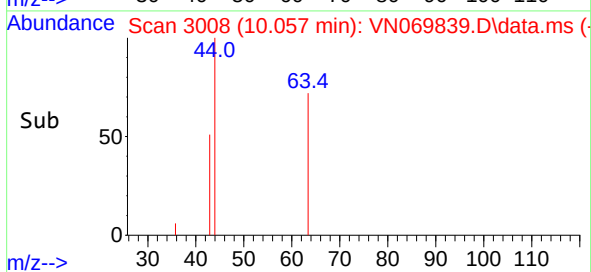
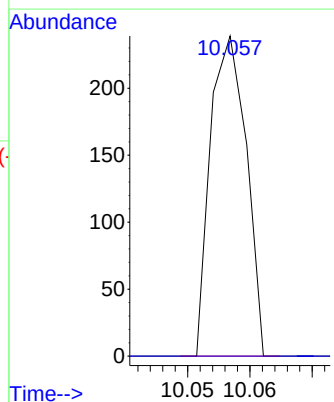
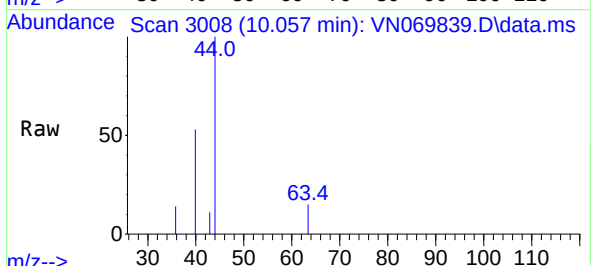


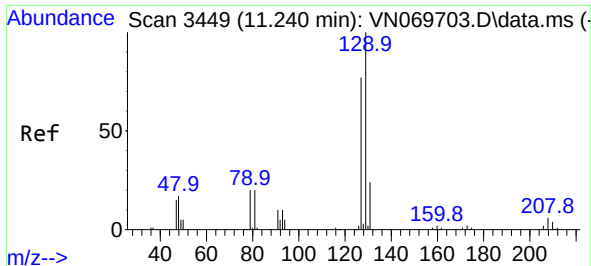
Tgt Ion: 69 Resp: 234
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 82.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.057 min Scan# 3008
Delta R.T. 0.014 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 63 Resp: 96
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

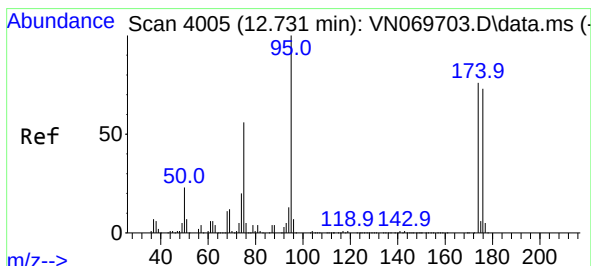
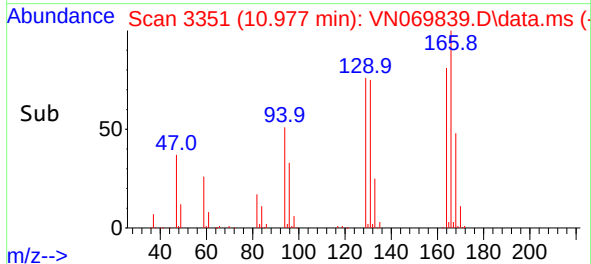
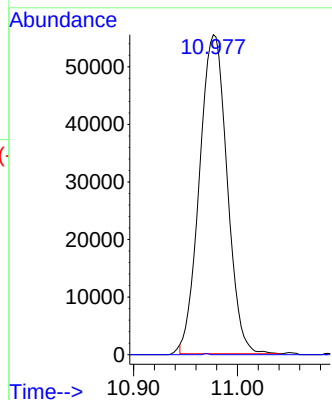
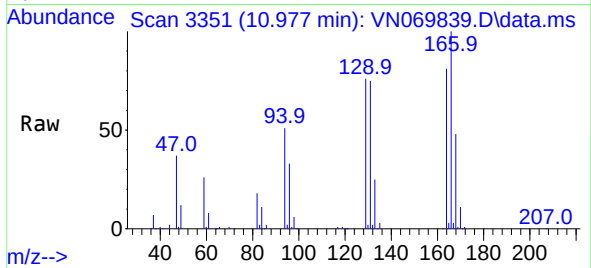




#60
Dibromochloromethane
Concen: 7.80 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

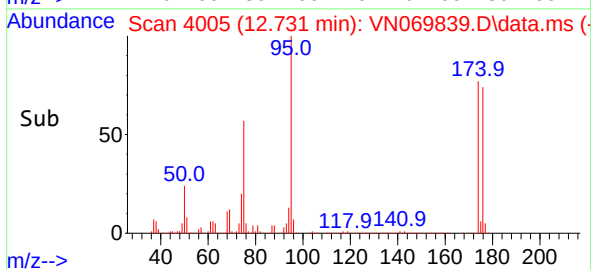
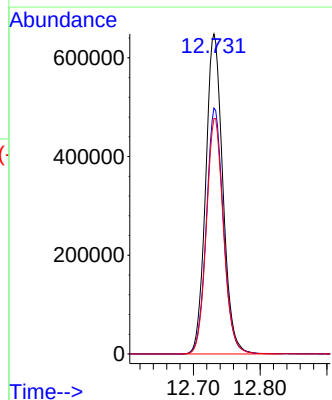
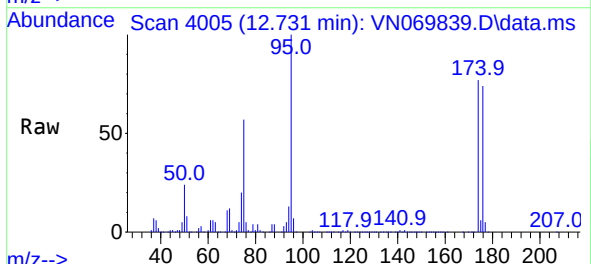
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

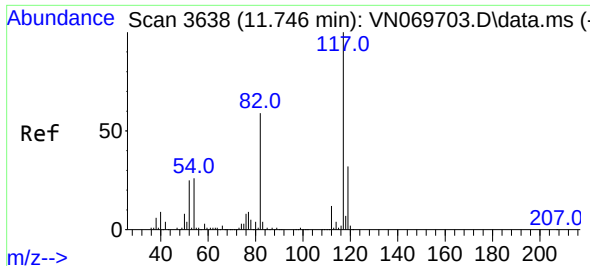
Tgt Ion:129 Resp: 102292
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.26 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 95 Resp: 1155393
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.5 0.0 181.4

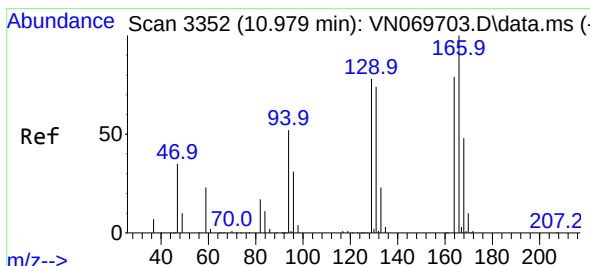
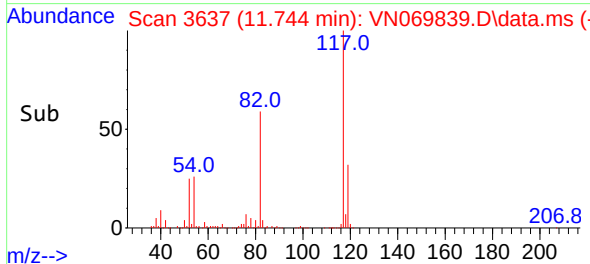
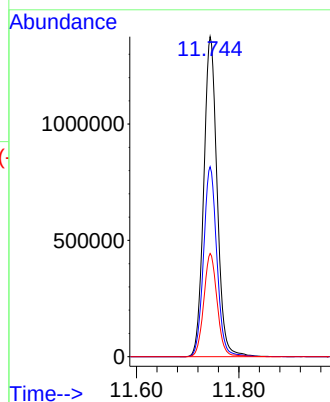
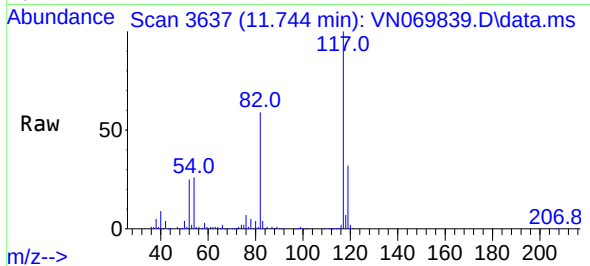




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

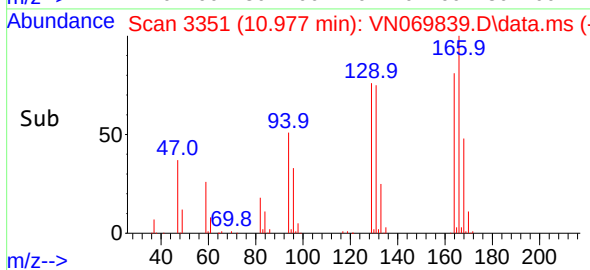
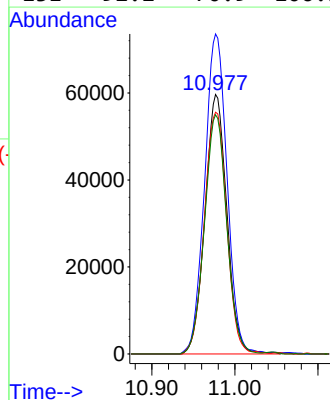
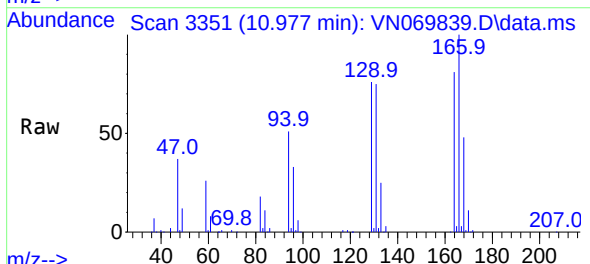
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

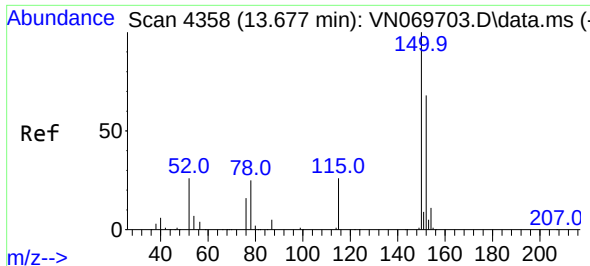
Tgt Ion:117 Resp: 2493475
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 6.47 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion:164 Resp: 109383
Ion Ratio Lower Upper
164 100
166 123.3 101.9 152.9
129 93.2 72.0 108.0
131 92.2 70.9 106.3

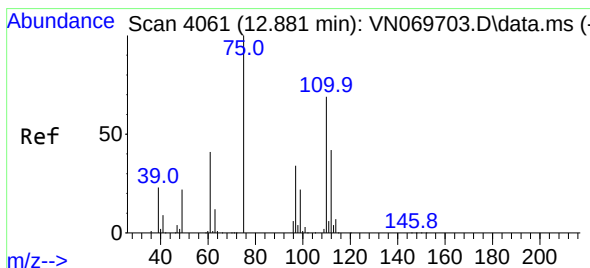
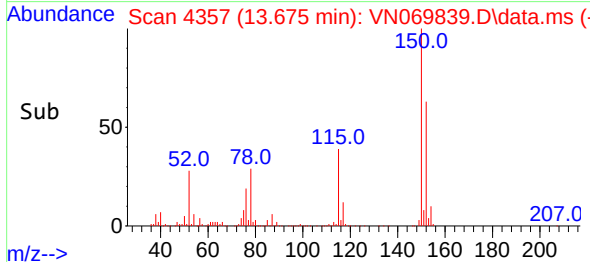
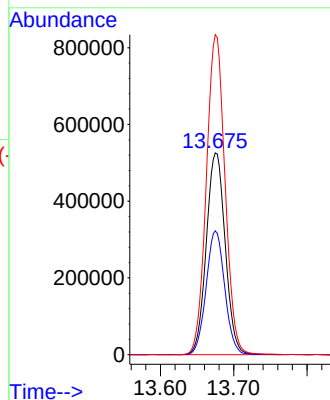
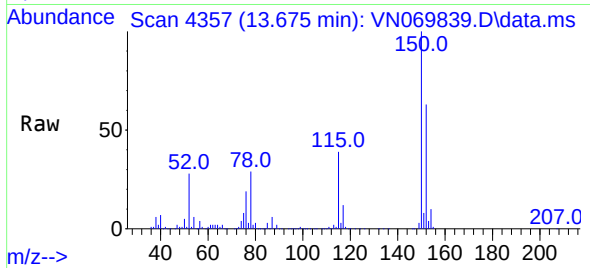




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

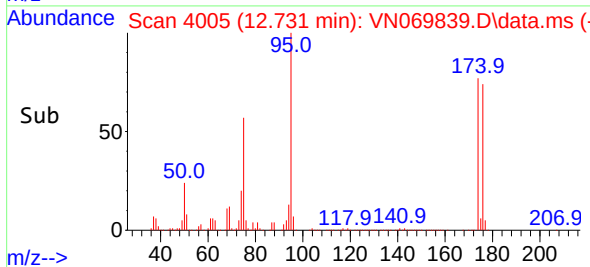
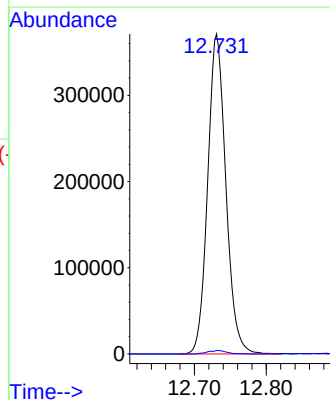
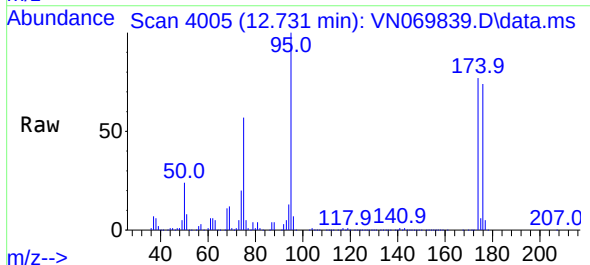
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

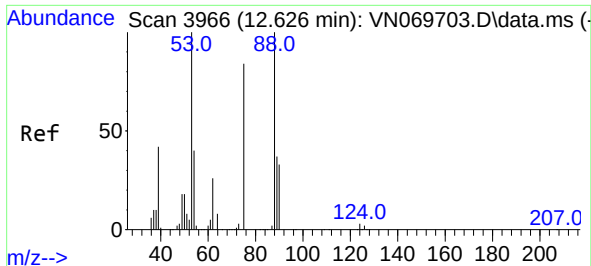
Tgt Ion:152 Resp: 945289
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 156.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.07 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 75 Resp: 652486
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

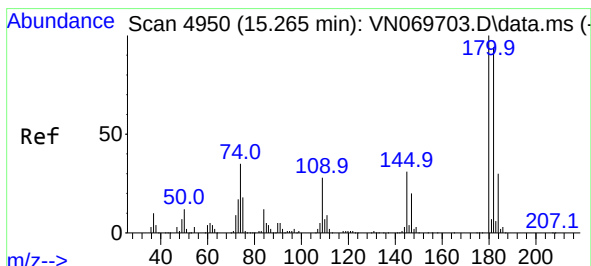
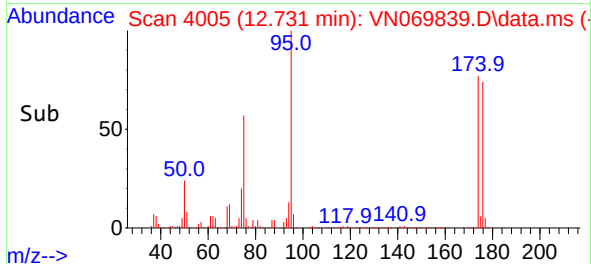
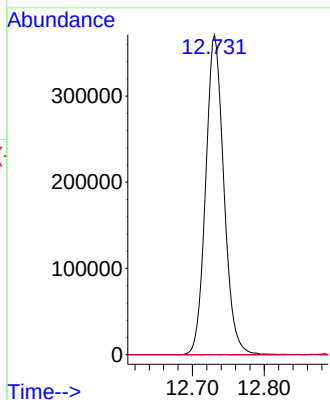
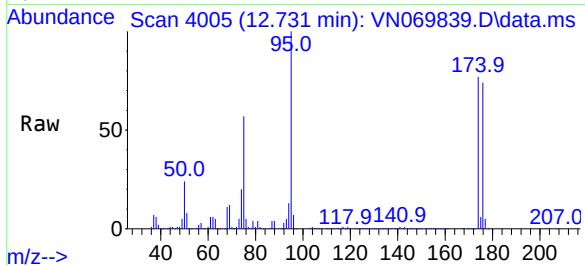




#81
trans-1,4-Dichloro-2-butene
Concen: 76.44 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

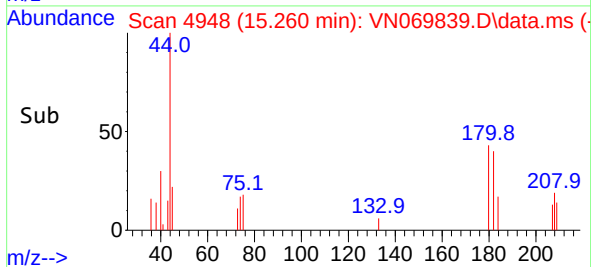
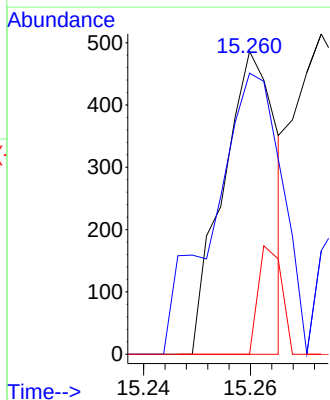
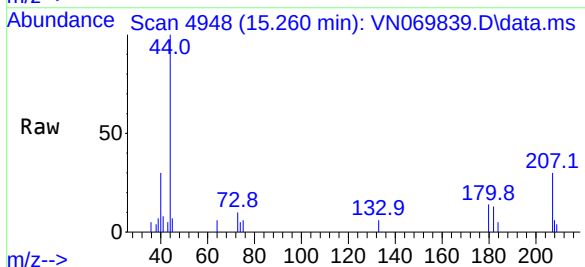
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

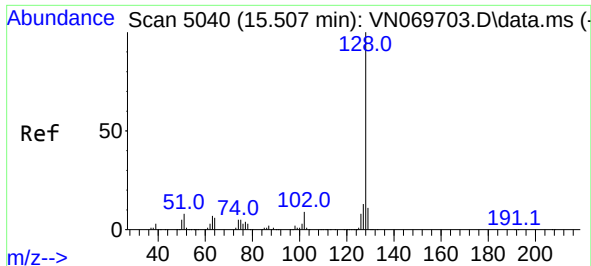
Tgt Ion: 75 Resp: 652486
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.90 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 180 Resp: 335
Ion Ratio Lower Upper
180 100
182 119.4 48.3 144.9
145 15.8 14.5 43.5

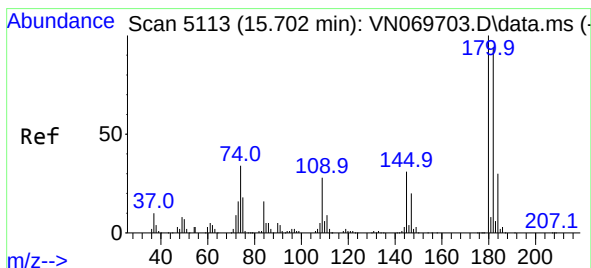
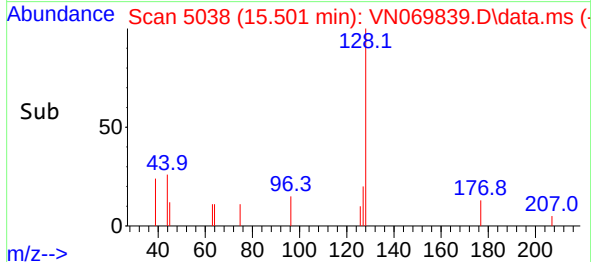
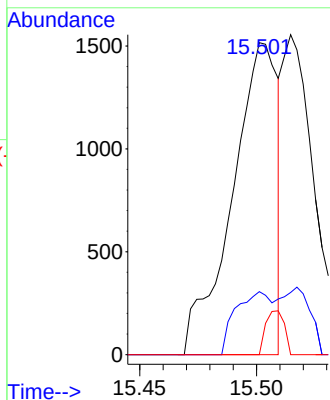
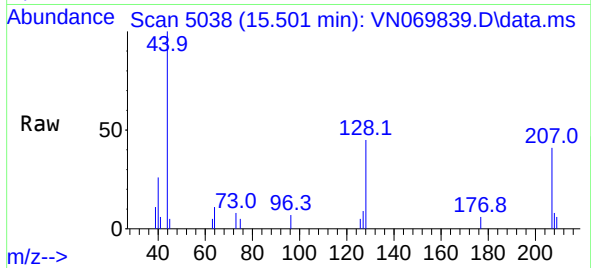




#95
Naphthalene
Concen: 4.03 ug/l
RT: 15.501 min Scan# 5040
Delta R.T. -0.006 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

Tgt Ion:128 Resp: 2047
Ion Ratio Lower Upper
128 100
127 15.8 10.5 15.7#
129 5.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.48 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion:180 Resp: 717
Ion Ratio Lower Upper
180 100
182 57.0 47.4 142.2
145 3.8 15.0 45.1#

