

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069843.D
 Acq On : 8 Dec 2021 4:32
 Operator : JC/MD
 Sample : M4957-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20211206

Quant Time: Dec 08 06:39:11 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)

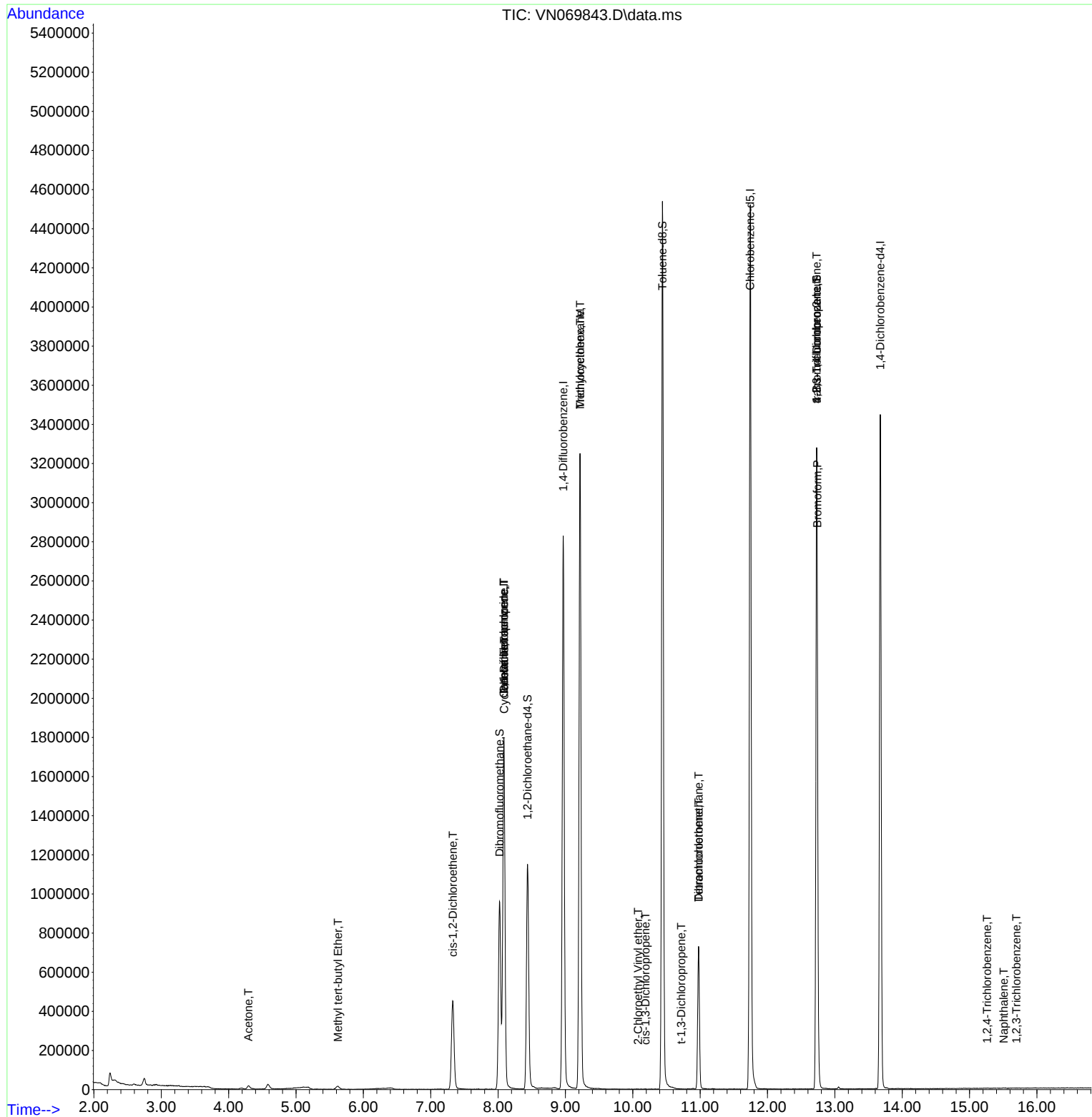
Internal Standards						
1) Pentafluorobenzene	8.086	168	1310078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2366272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2533437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	921174	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	996552	49.27	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.54%		
35) Dibromofluoromethane	8.021	113	697115	47.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.06%		
50) Toluene-d8	10.440	98	3073620	51.64	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.28%		
62) 4-Bromofluorobenzene	12.731	95	1166668	54.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.22%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	28613	2.35	ug/l	97
19) Methyl tert-butyl Ether	5.624	73	19786	0.41	ug/l	97
27) cis-1,2-Dichloroethene	7.329	96	266772	16.29	ug/l	96
31) Cyclohexane	8.091	56	33222	1.18	ug/l #	30
36) 1,1-Dichloropropene	8.086	75	112701	5.00	ug/l #	48
38) Carbon Tetrachloride	8.088	117	136557	6.18	ug/l #	16
39) Methylcyclohexane	9.217	83	14674	0.55	ug/l #	1
44) Trichloroethene	9.217	130	1143171	69.56	ug/l	92
53) t-1,3-Dichloropropene	10.719	75	24	2.79	ug/l #	89
54) cis-1,3-Dichloropropene	10.188	75	26	2.00	ug/l #	32
58) 2-Chloroethyl Vinyl ether	10.078	63	60	18.40	ug/l #	45
60) Dibromochloromethane	10.977	129	156970	10.60	ug/l #	11
64) Tetrachloroethene	10.977	164	159360	9.28	ug/l	94
71) Bromoform	12.739	173	1772	2.84	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	647985	24.53	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	647985	77.82	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	321	2.90	ug/l #	51
95) Naphthalene	15.507	128	712	4.00	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.694	180	357	2.46	ug/l #	39

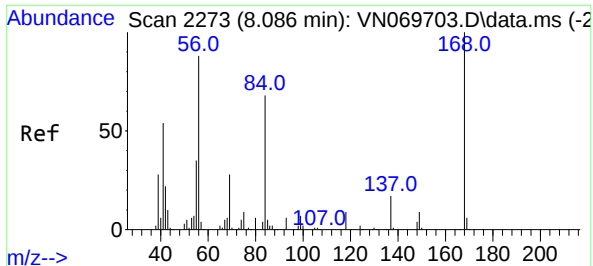
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

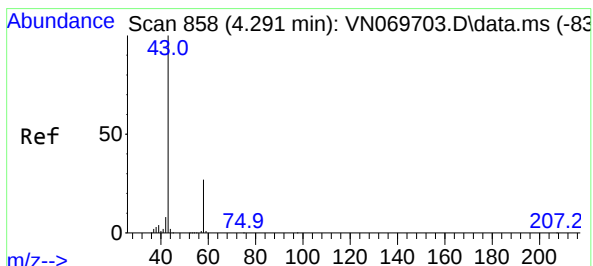
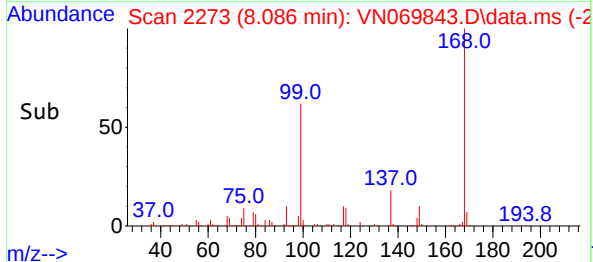
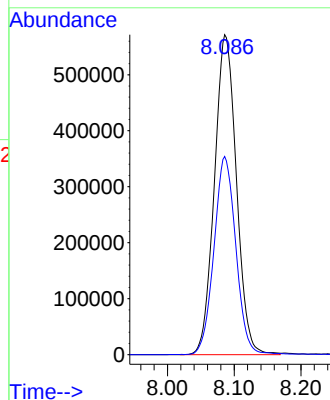
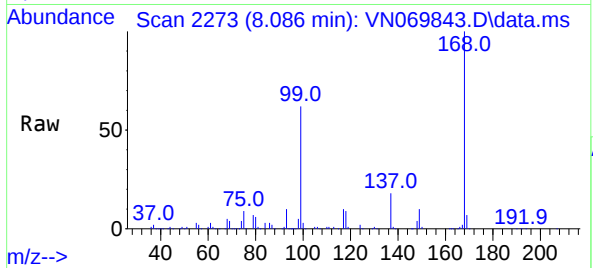




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

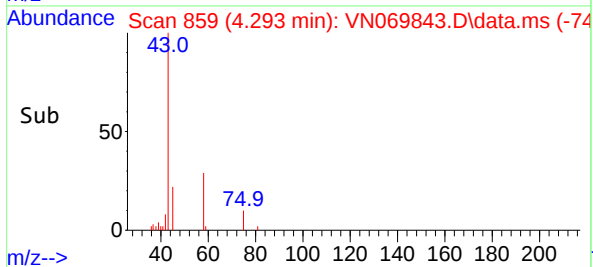
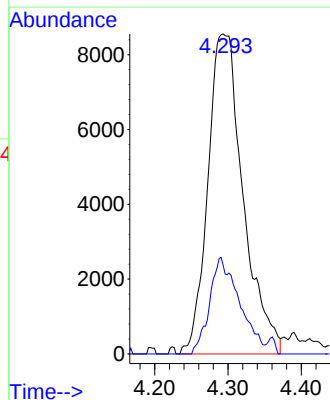
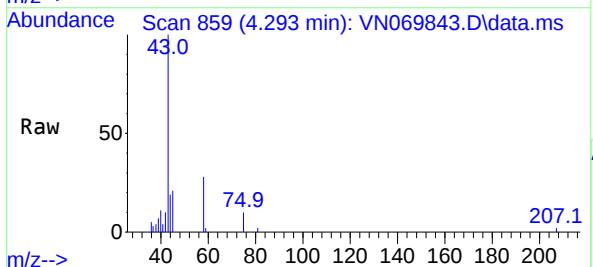
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

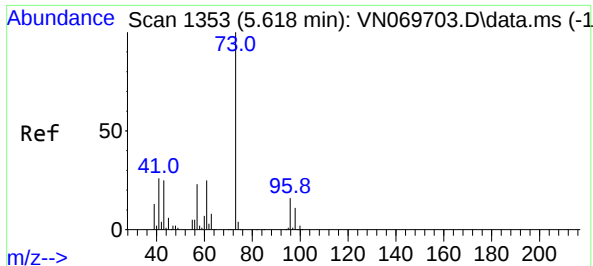
Tgt Ion:168 Resp: 1310078
Ion Ratio Lower Upper
168 100
99 61.9 41.3 61.9



#16
Acetone
Concen: 2.35 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Tgt Ion: 43 Resp: 28613
Ion Ratio Lower Upper
43 100
58 27.5 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.41 ug/l

RT: 5.624 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN069843.D

Acq: 8 Dec 2021 4:32

Instrument :

MSVOA_N

ClientSampleId :

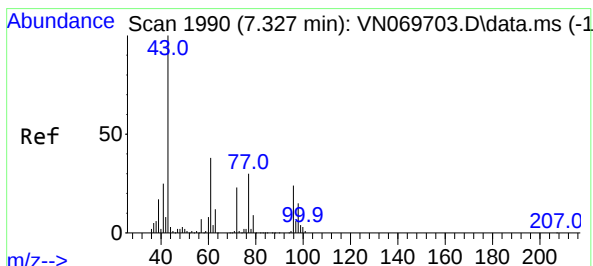
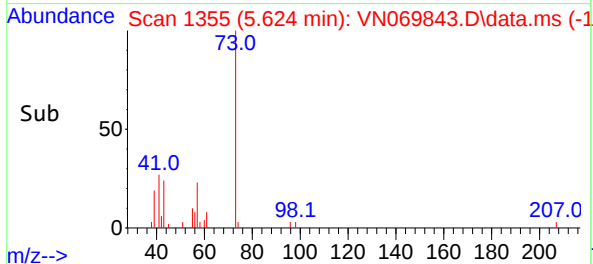
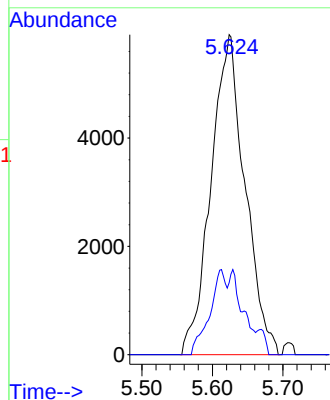
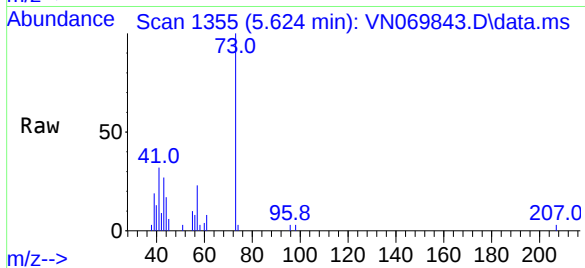
MW179D-20211206

Tgt Ion: 73 Resp: 19786

Ion Ratio Lower Upper

73 100

57 22.5 16.8 25.2



#27

cis-1,2-Dichloroethene

Concen: 16.29 ug/l

RT: 7.329 min Scan# 1991

Delta R.T. 0.003 min

Lab File: VN069843.D

Acq: 8 Dec 2021 4:32

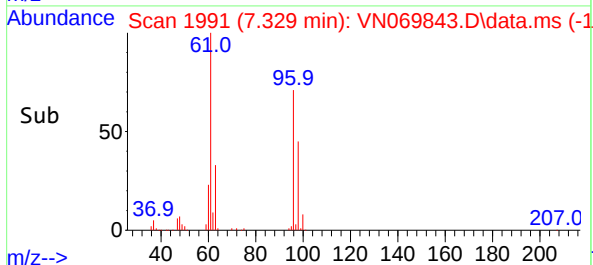
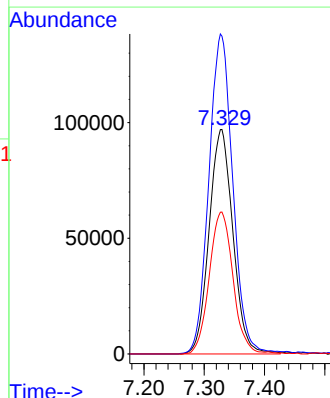
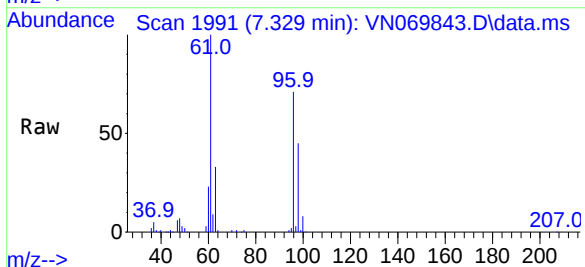
Tgt Ion: 96 Resp: 266772

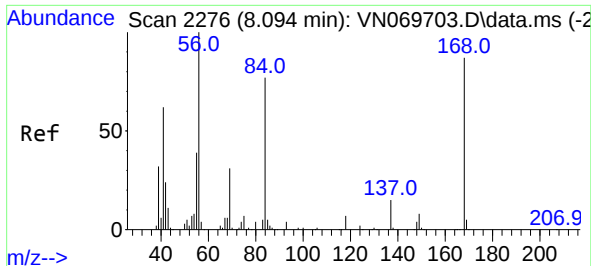
Ion Ratio Lower Upper

96 100

61 142.9 0.0 275.0

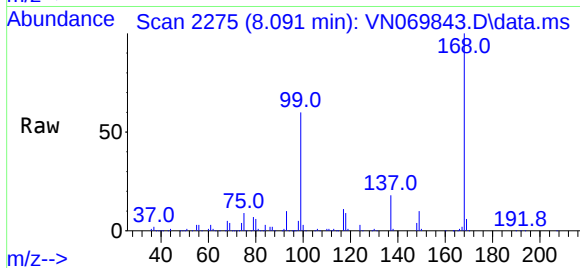
98 62.7 0.0 129.6



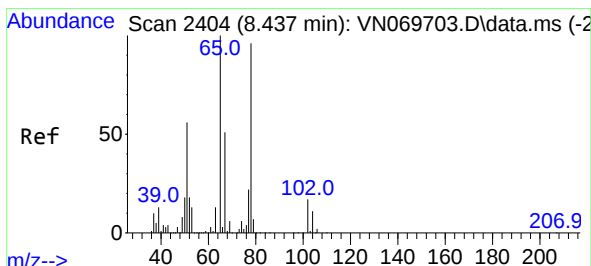
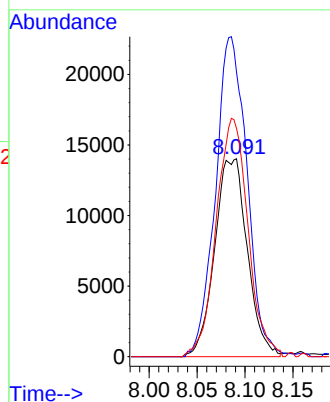
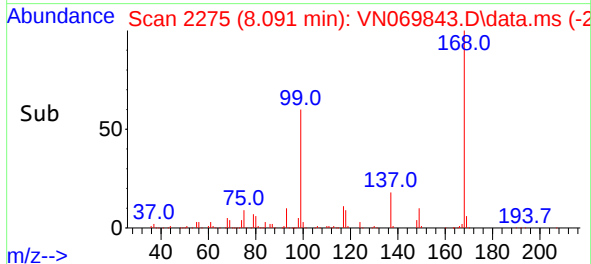


#31
Cyclohexane
Concen: 1.18 ug/l
RT: 8.091 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Instrument :
MSVOA_N
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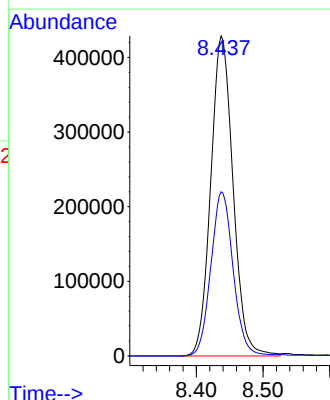
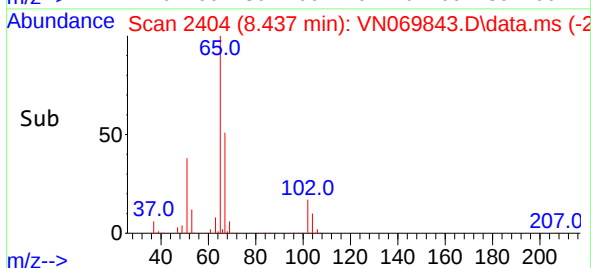
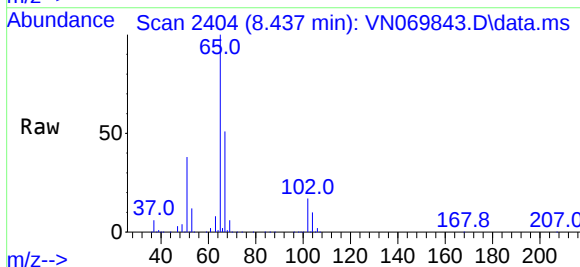


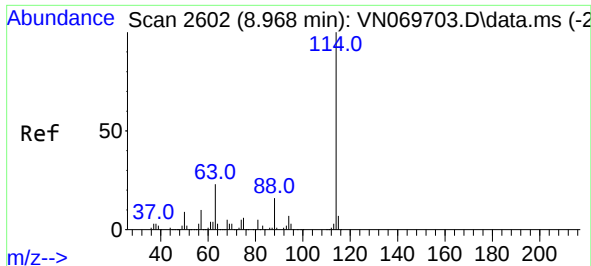
Tgt Ion: 56 Resp: 33222
Ion Ratio Lower Upper
56 100
69 143.8 27.1 40.7#
84 115.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.27 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

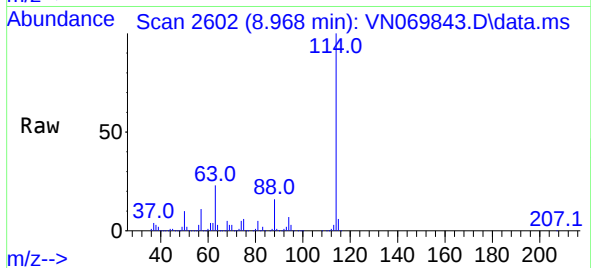
Tgt Ion: 65 Resp: 996552
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0





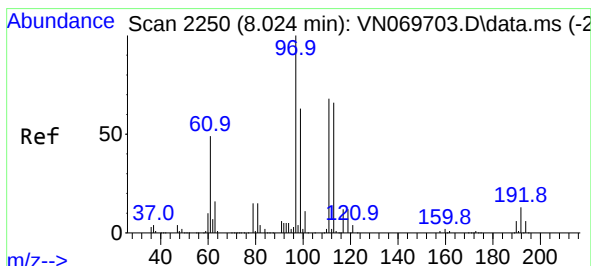
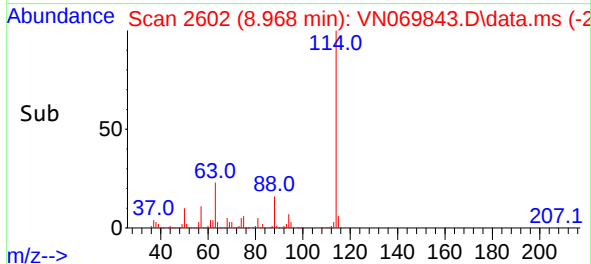
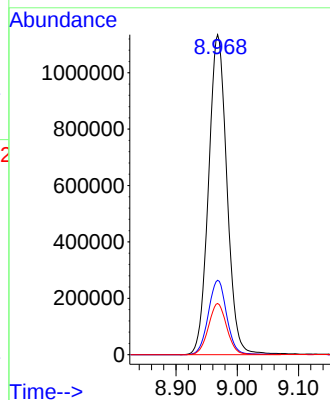
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206



Tgt Ion:114 Resp: 2366272

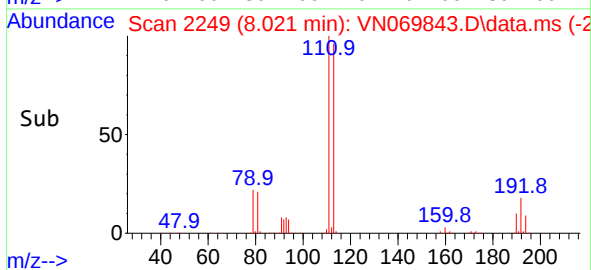
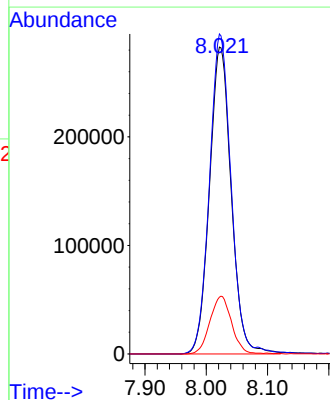
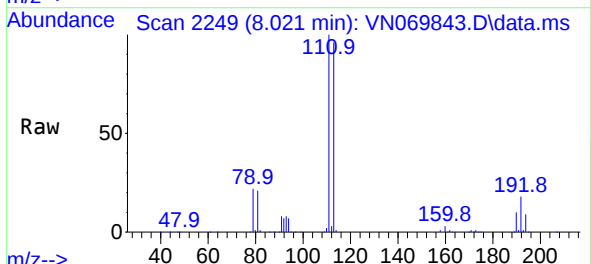
Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	37.8
88	16.0	0.0	27.4

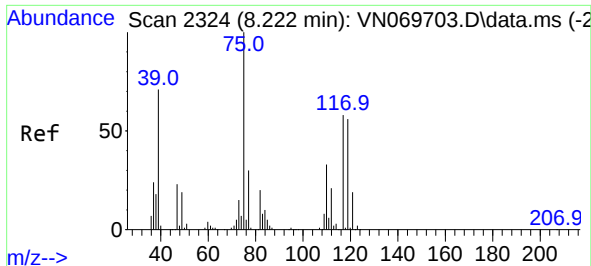


#35
Dibromofluoromethane
Concen: 47.03 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Tgt Ion:113 Resp: 697115

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	18.8	16.9	25.3

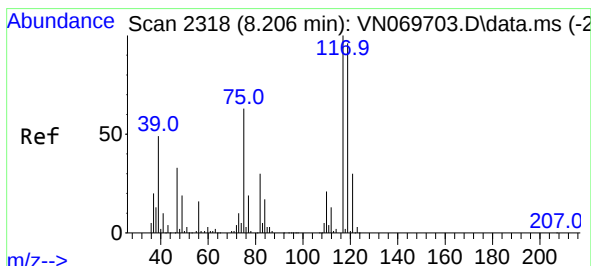
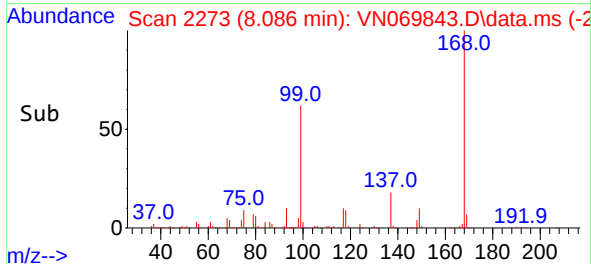
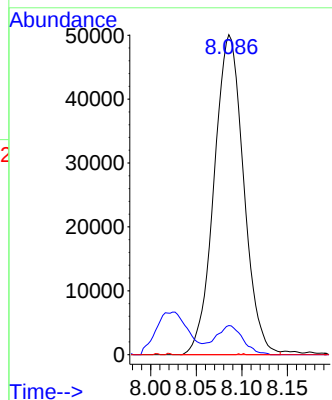
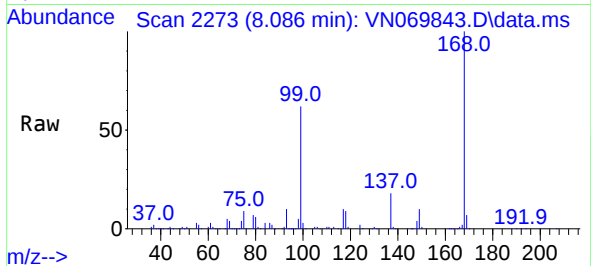




#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

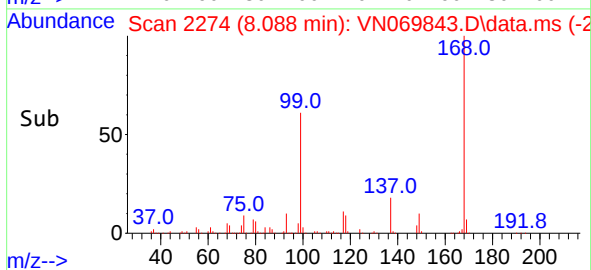
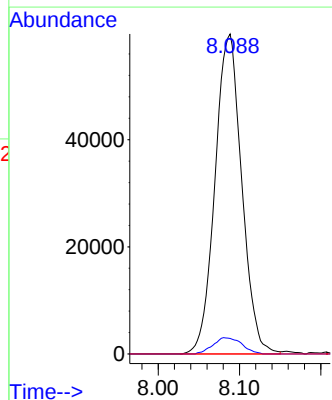
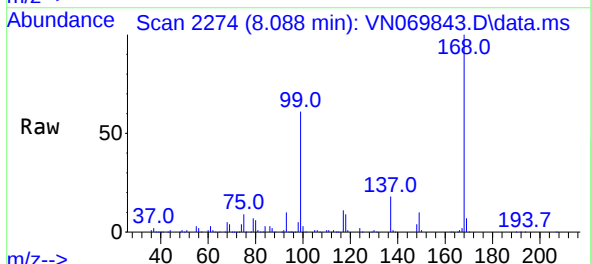
Instrument :
MSVOA_N
ClientSampleId :
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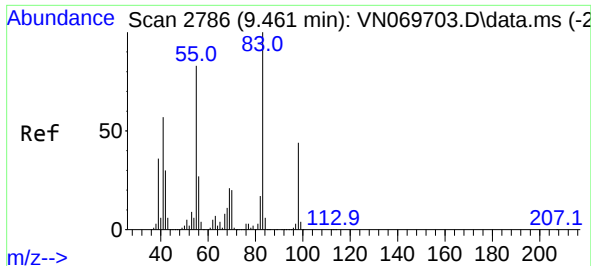
Tgt Ion: 75 Resp: 112701
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Tgt Ion: 117 Resp: 136557
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.55 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. -0.244 min

Lab File: VN069843.D

Acq: 8 Dec 2021 4:32

Instrument :

MSVOA_N

ClientSampleId :

MW179D-20211206

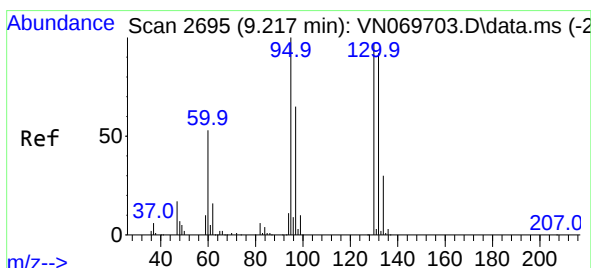
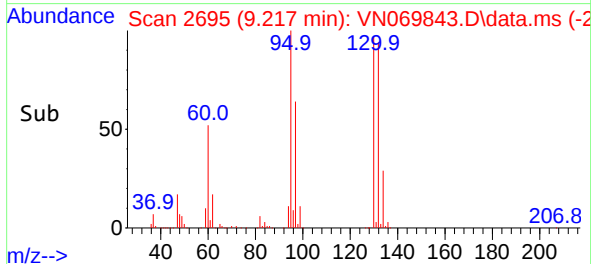
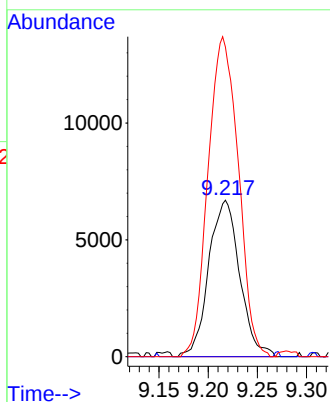
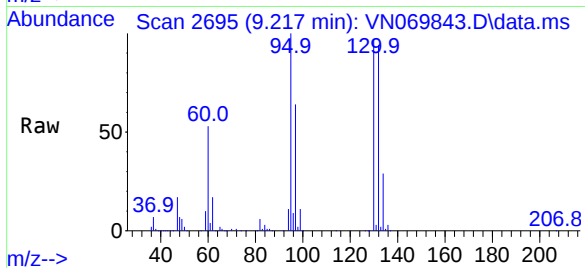
Tgt Ion: 83 Resp: 14674

Ion Ratio Lower Upper

83 100

55 0.0 58.1 87.1#

98 197.9 38.4 57.6#



#44

Trichloroethene

Concen: 69.56 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN069843.D

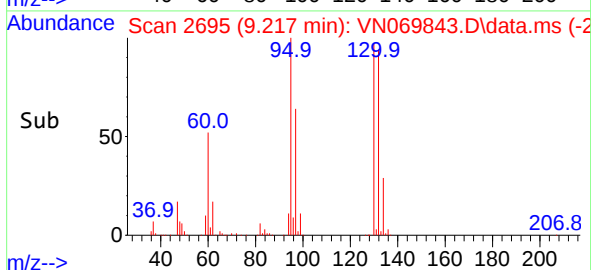
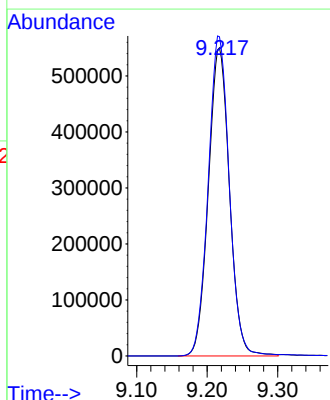
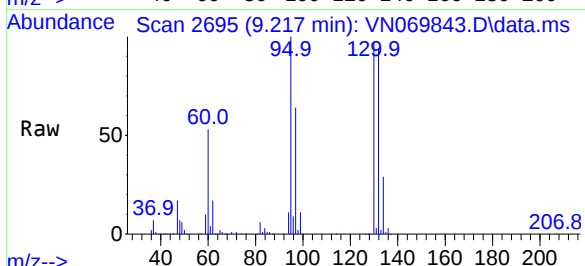
Acq: 8 Dec 2021 4:32

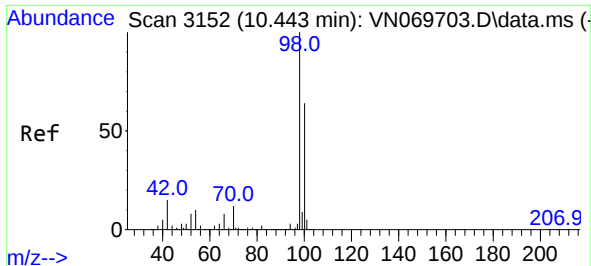
Tgt Ion:130 Resp: 1143171

Ion Ratio Lower Upper

130 100

95 103.6 0.0 191.2

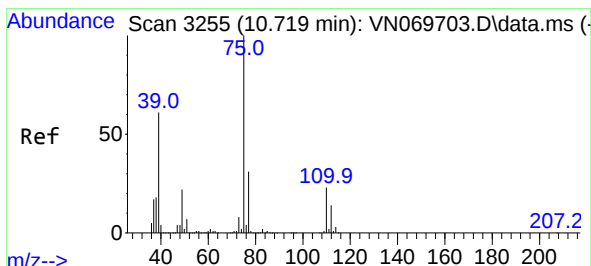
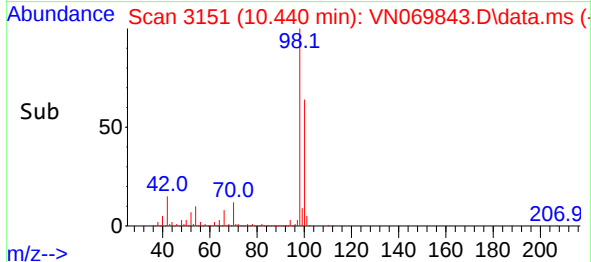
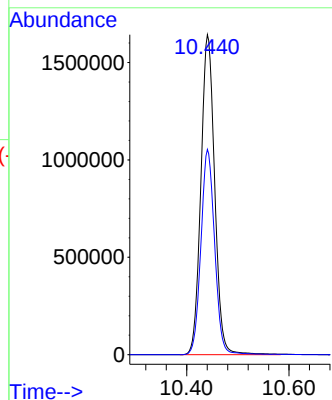
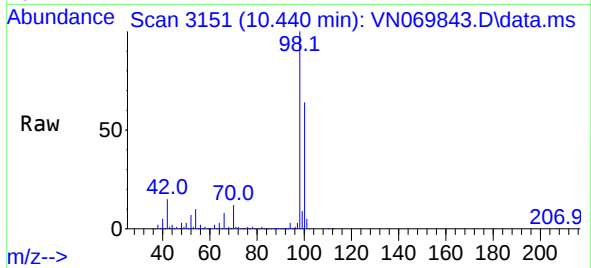




#50
Toluene-d8
Concen: 51.64 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

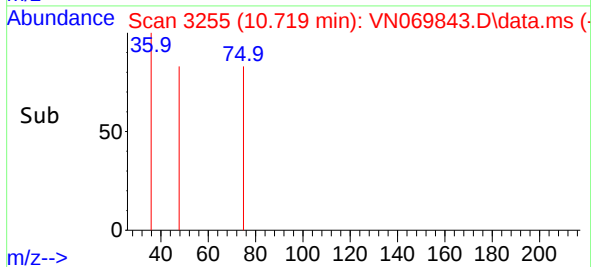
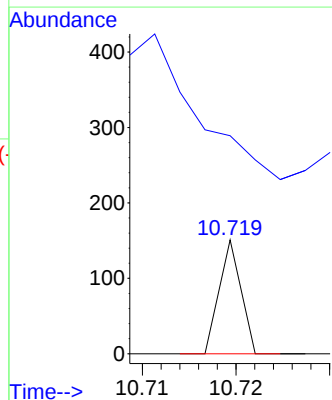
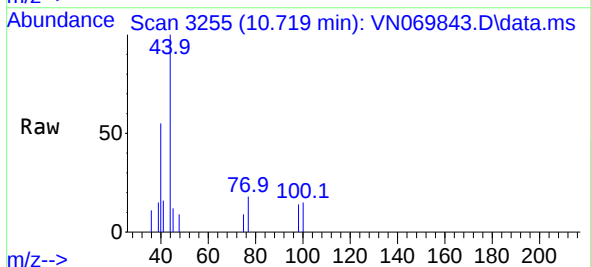
Instrument :
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MW179D-20211206

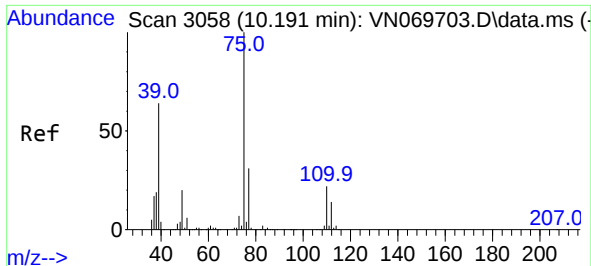
Tgt Ion: 98 Resp: 3073620
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.79 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

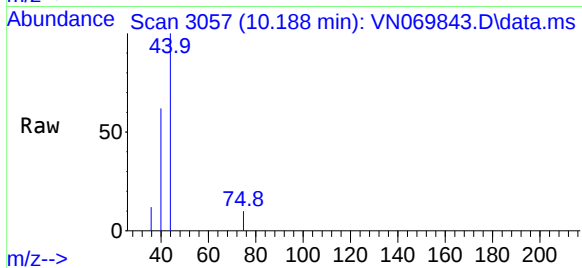
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 38.4 25.6 38.4#



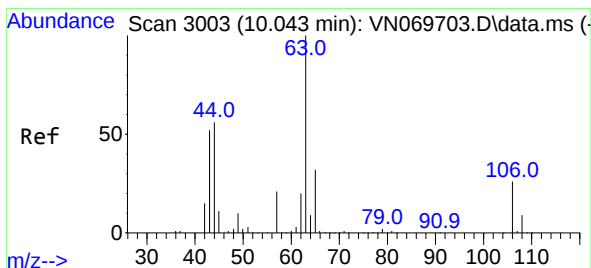
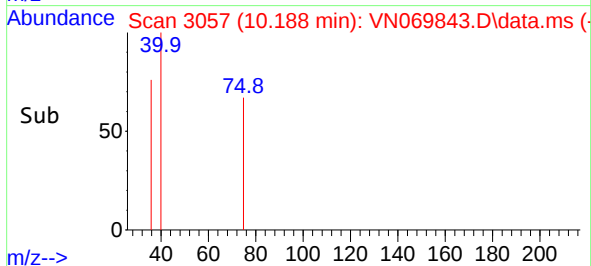
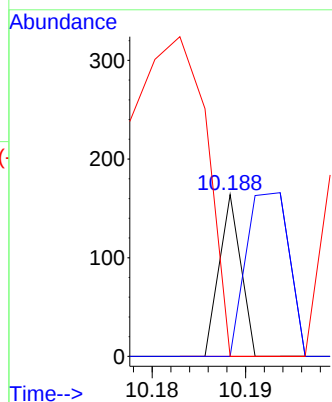


#54
cis-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.188 min Scan# 3058
Delta R.T. -0.003 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

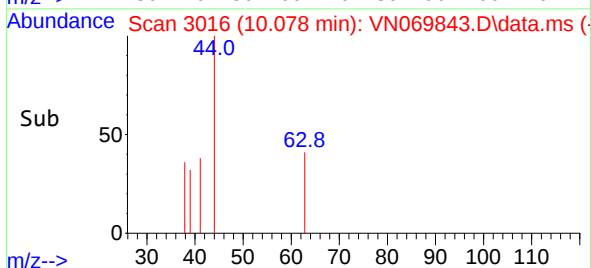
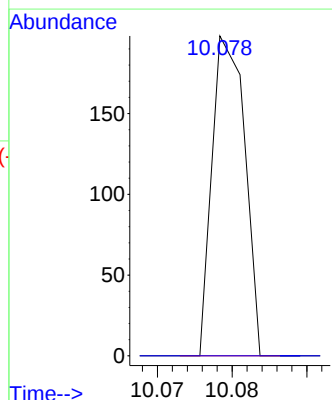
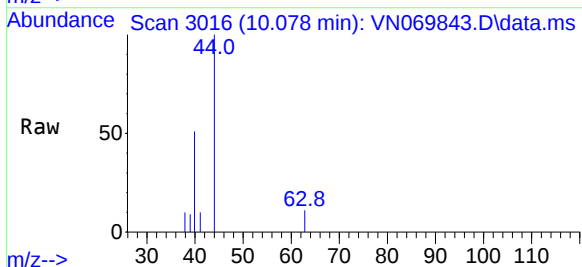


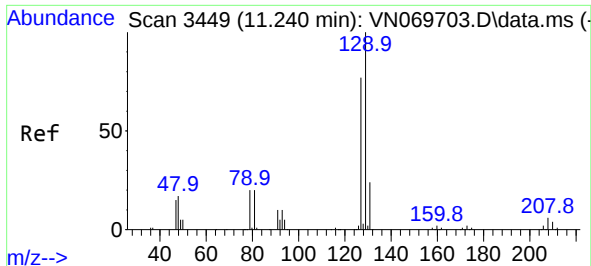
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.078 min Scan# 3016
Delta R.T. 0.035 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

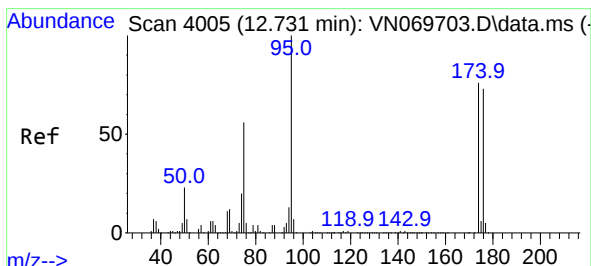
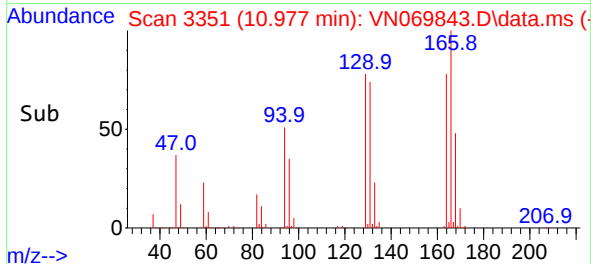
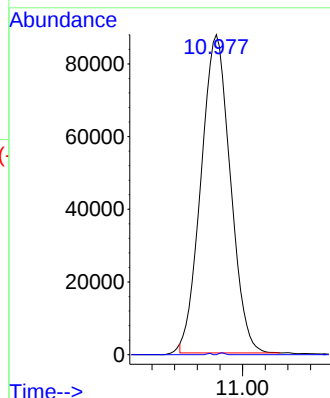
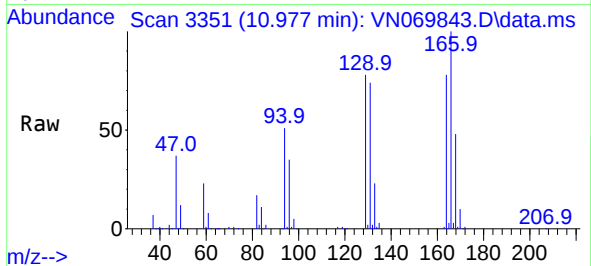




#60
Dibromochloromethane
Concen: 10.60 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

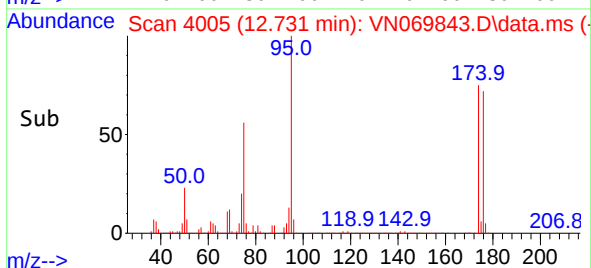
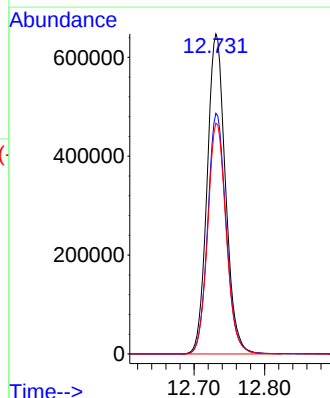
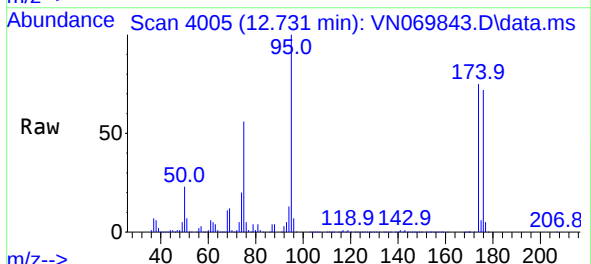
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

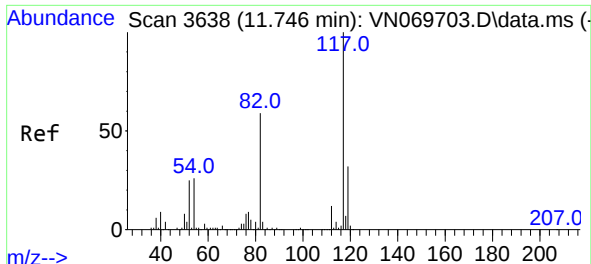
Tgt Ion:129 Resp: 156970
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.11 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Tgt Ion: 95 Resp: 1166668
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.7 0.0 181.4

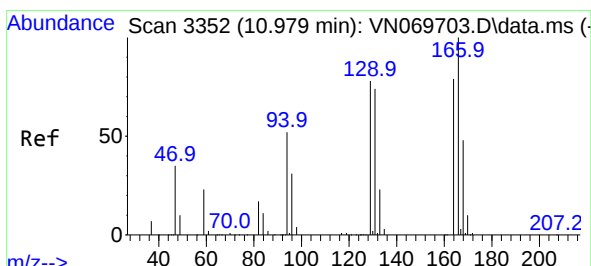
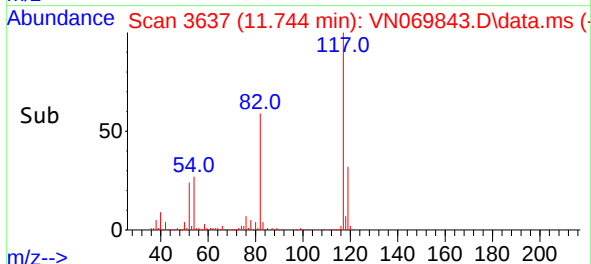
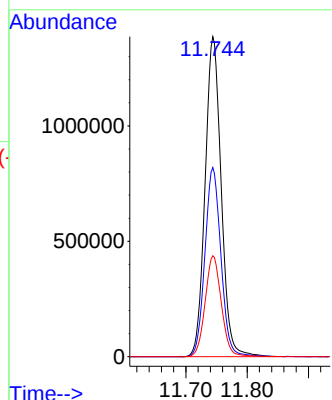
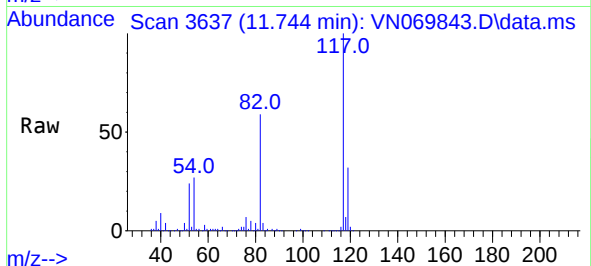




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

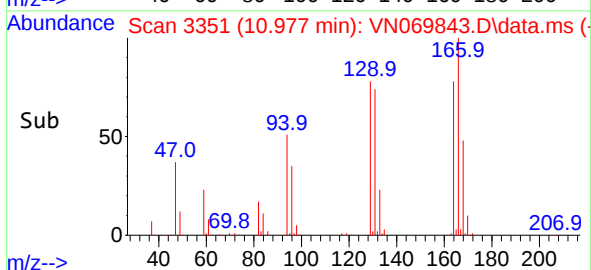
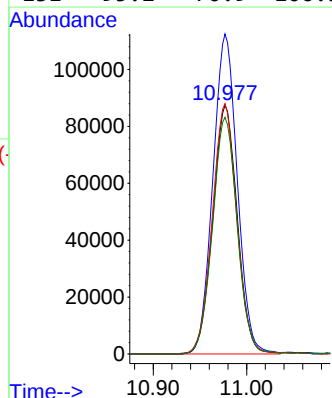
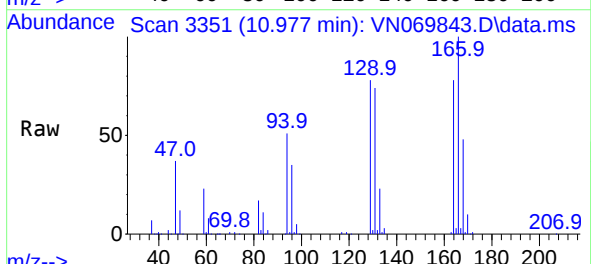
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

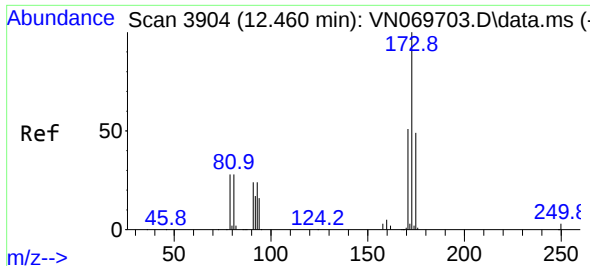
Tgt Ion:117 Resp: 2533437
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 9.28 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Tgt Ion:164 Resp: 159360
Ion Ratio Lower Upper
164 100
166 128.5 101.9 152.9
129 100.7 72.0 108.0
131 95.2 70.9 106.3

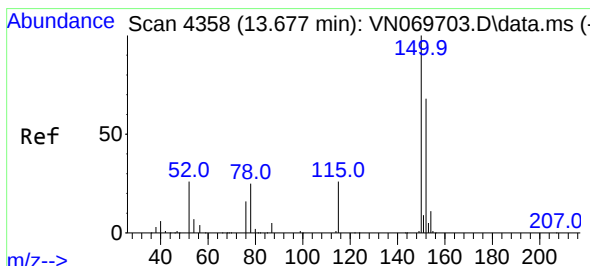
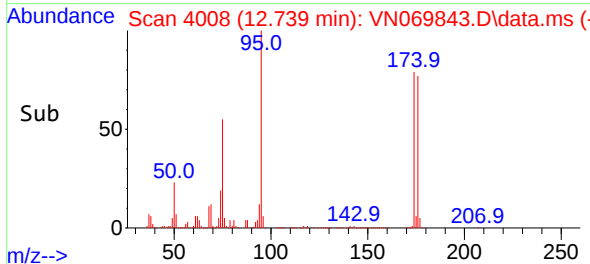
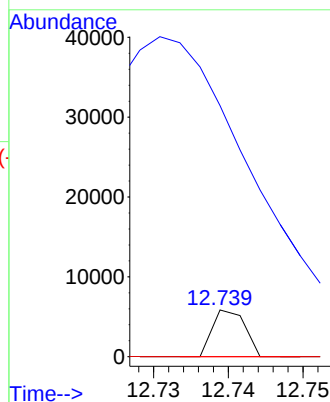
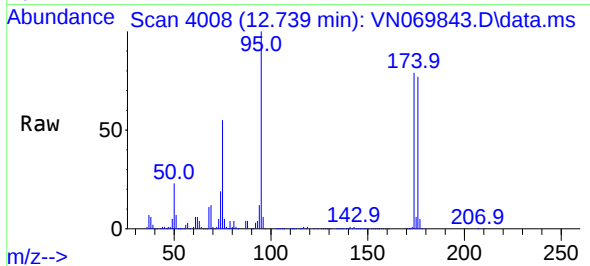




#71
Bromoform
Concen: 2.84 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

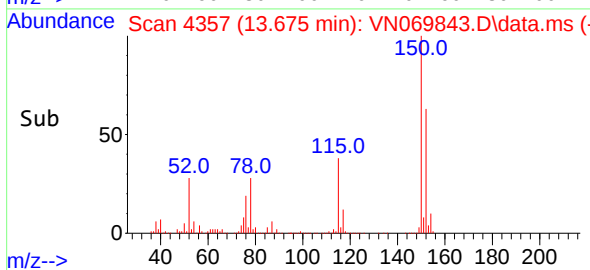
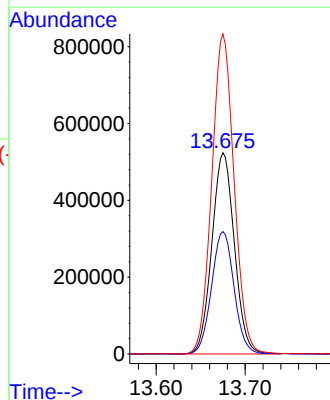
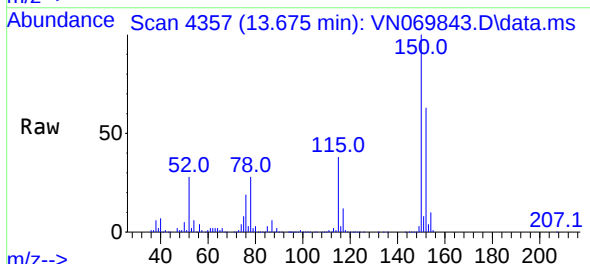
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

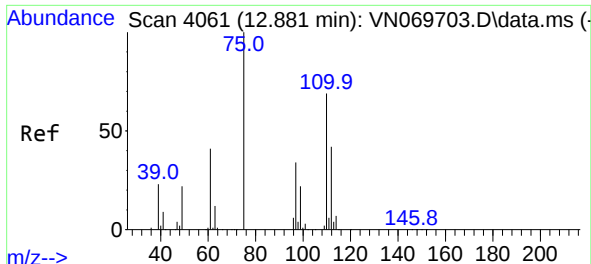
Tgt Ion:173 Resp: 1772
Ion Ratio Lower Upper
173 100
175 3634.1 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

Tgt Ion:152 Resp: 921174
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.7 0.0 344.4

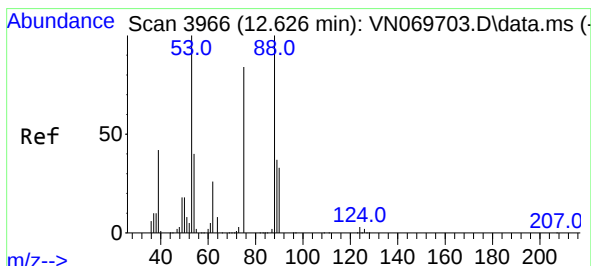
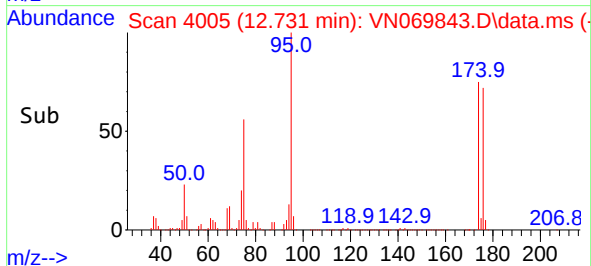
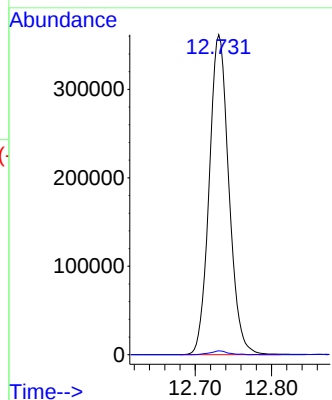
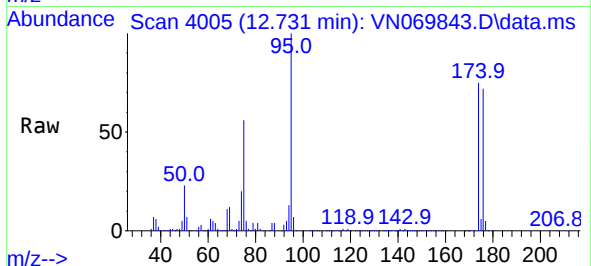




#76
1,2,3-Trichloropropane
Concen: 24.53 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

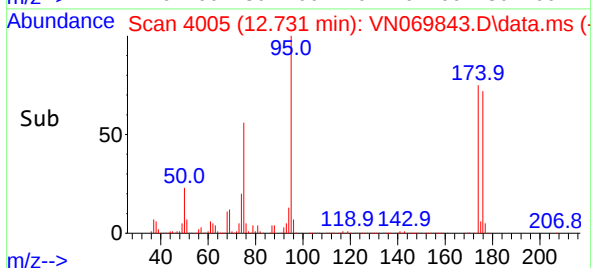
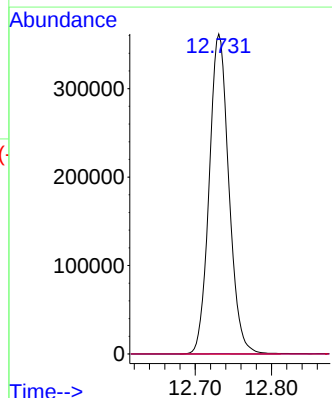
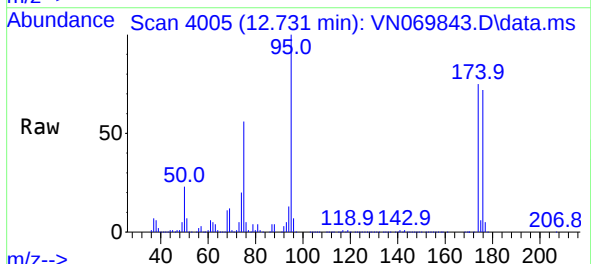
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206

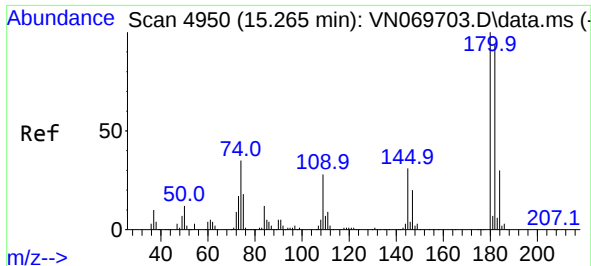
Tgt Ion: 75 Resp: 647985
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.82 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

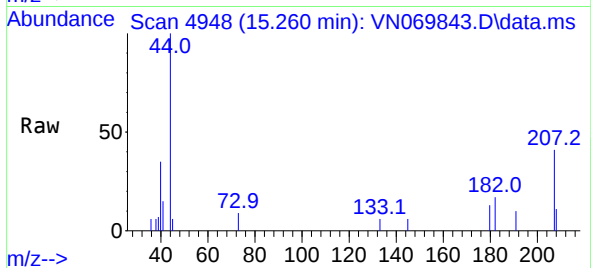
Tgt Ion: 75 Resp: 647985
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



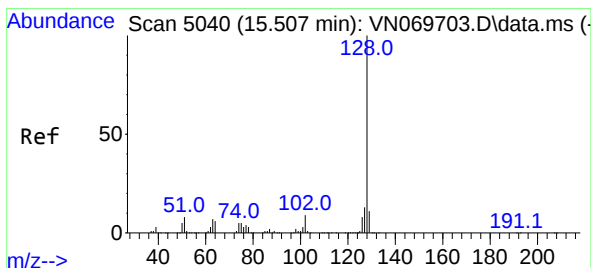
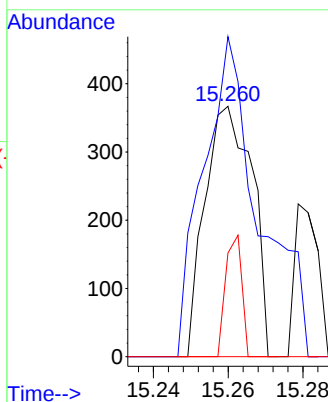
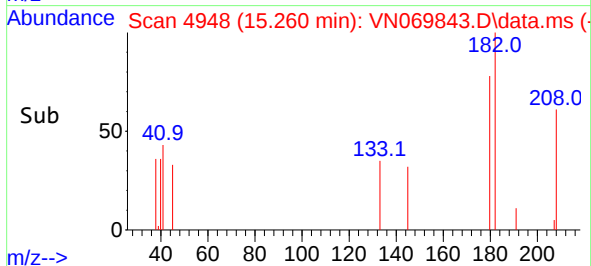


#93
1,2,4-Trichlorobenzene
Concen: 2.90 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32

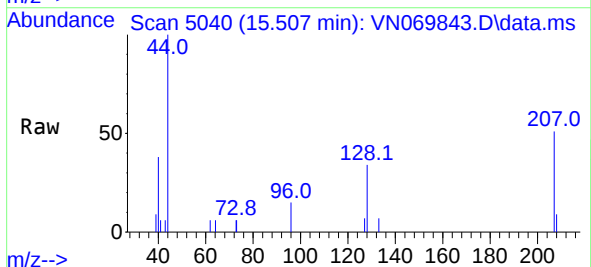
Instrument :
MSVOA_N
ClientSampleId :
MW179D-20211206



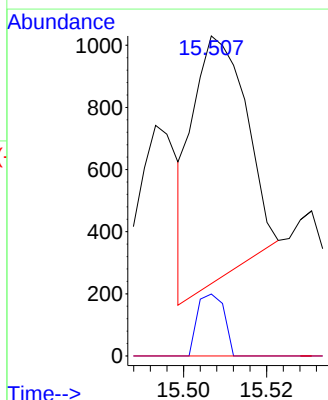
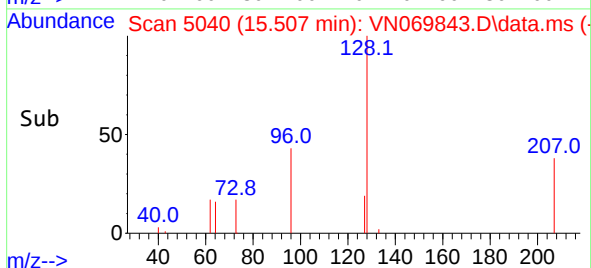
Tgt Ion:180 Resp: 321
Ion Ratio Lower Upper
180 100
182 151.7 48.3 144.9#
145 16.5 14.5 43.5

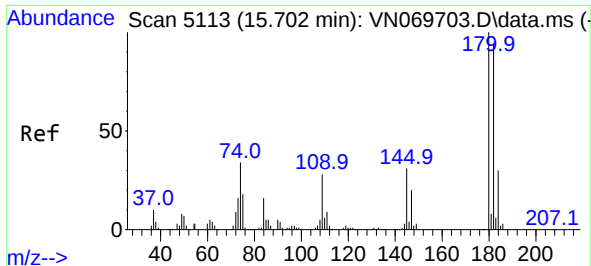


#95
Naphthalene
Concen: 4.00 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069843.D
Acq: 8 Dec 2021 4:32



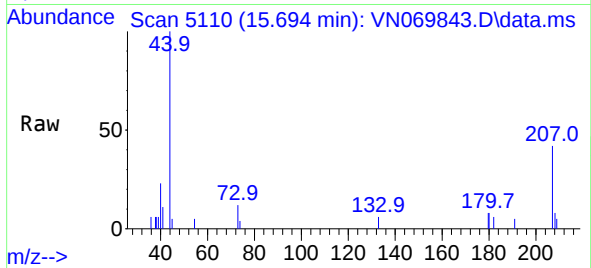
Tgt Ion:128 Resp: 712
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.46 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN069843.D
 Acq: 8 Dec 2021 4:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D-20211206



Tgt Ion:180 Resp: 357
 Ion Ratio Lower Upper
 180 100
 182 34.2 47.4 142.2#
 145 0.0 15.0 45.1#

