

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069866.D
 Acq On : 8 Dec 2021 17:20
 Operator : JC/MD
 Sample : M4957-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D1-20211206

Quant Time: Dec 09 11:42:51 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

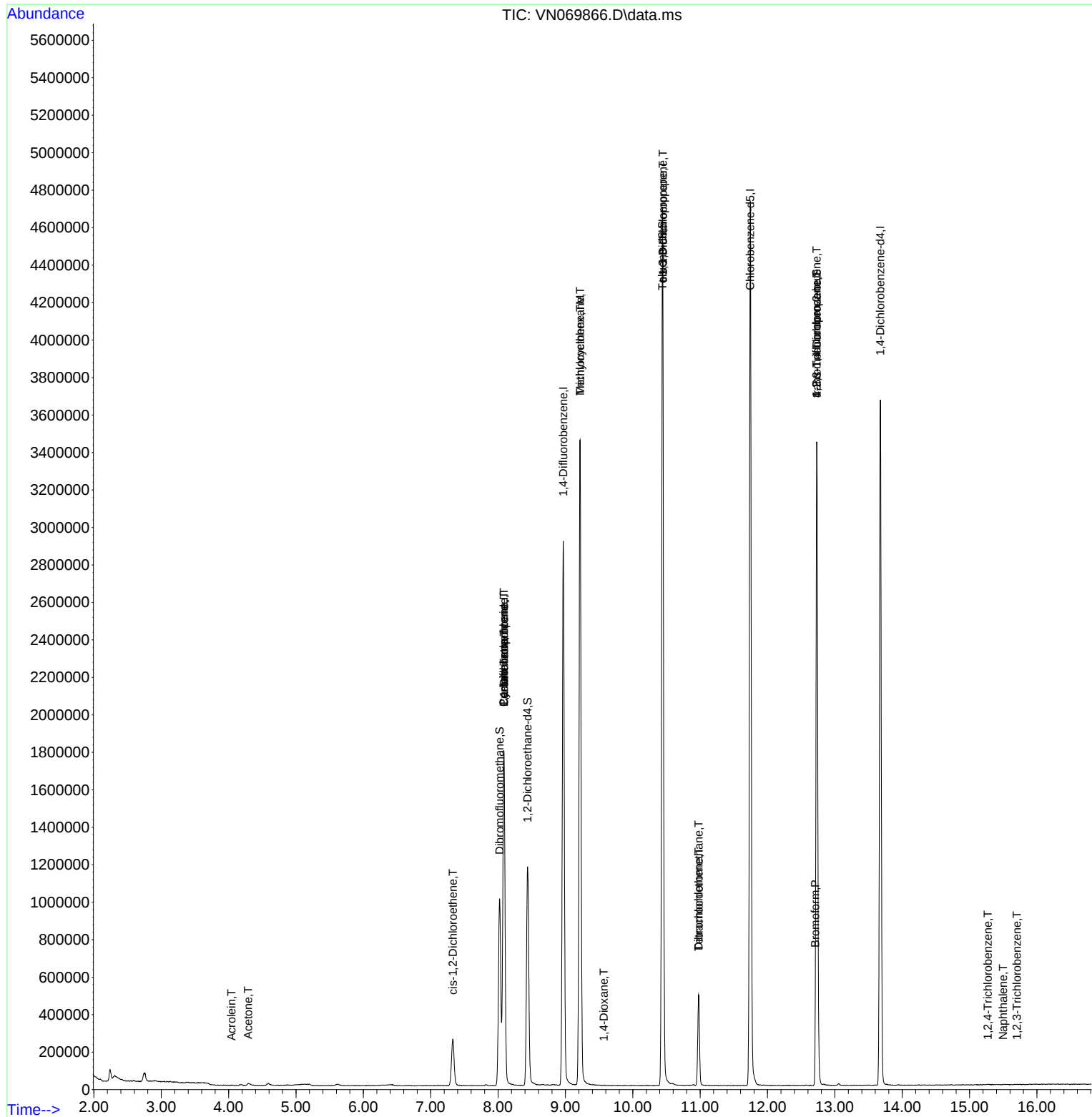
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1335328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2409197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2627180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	986289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1030391	49.977	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.960%
35) Dibromofluoromethane	8.024	113	727881	48.234	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.460%
50) Toluene-d8	10.440	98	3160380	52.157	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.731	95	1224306	55.772	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.540%
Target Compounds						
					Qvalue	
13) Acrolein	4.041	56	687	0.207	ug/l #	36
16) Acetone	4.291	43	8699	0.701	ug/l	95
27) cis-1,2-Dichloroethene	7.329	96	142782	8.554	ug/l	95
31) Cyclohexane	8.086	56	35073	1.222	ug/l #	34
36) 1,1-Dichloropropene	8.086	75	114900	5.010	ug/l #	49
38) Carbon Tetrachloride	8.086	117	138639	6.164	ug/l #	16
39) Methylcyclohexane	9.217	83	16334	0.599	ug/l #	1
44) Trichloroethene	9.217	130	1190159	71.130	ug/l	90
49) 1,4-Dioxane	9.569	88	234	0.553	ug/l #	29
53) t-1,3-Dichloropropene	10.448	75	1053	2.829	ug/l #	1
54) cis-1,3-Dichloropropene	10.448	75	1078	2.034	ug/l #	1
60) Dibromochloromethane	10.977	129	101655	7.609	ug/l #	11
64) Tetrachloroethene	10.979	164	103634	5.818	ug/l	93
71) Bromoform	12.709	173	312	2.749	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	682770	24.139	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	682770	76.649	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	127	2.885	ug/l #	1
95) Naphthalene	15.499	128	1119	4.006	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.702	180	260	2.451	ug/l #	69

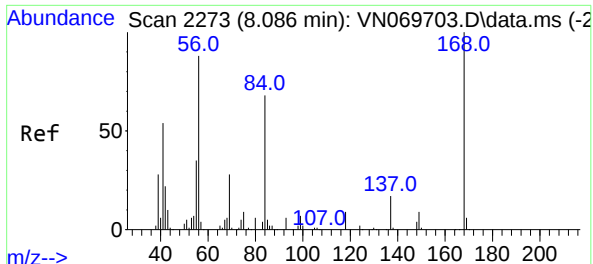
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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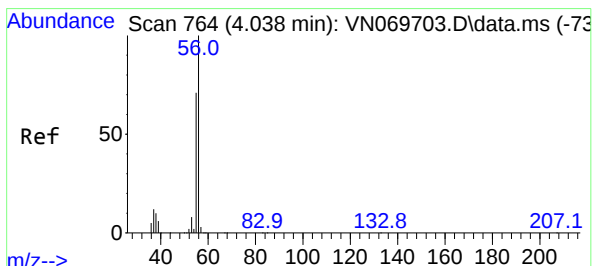
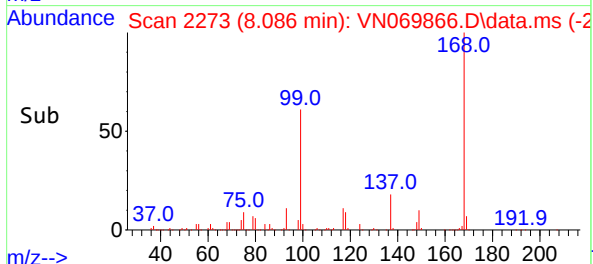
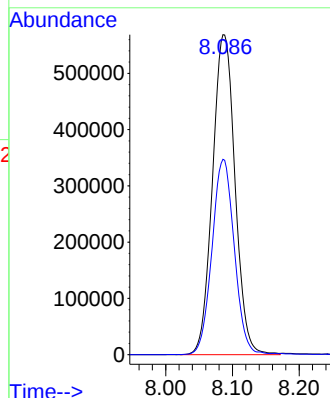
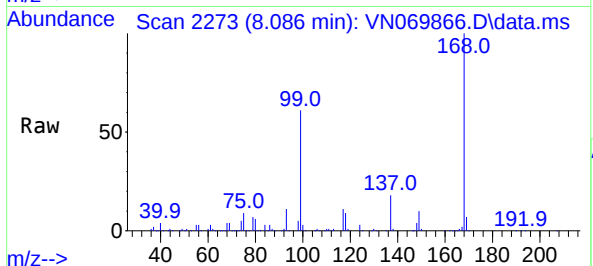




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

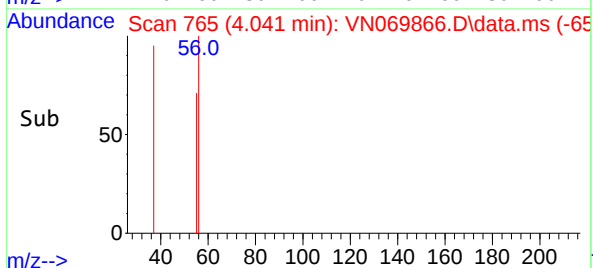
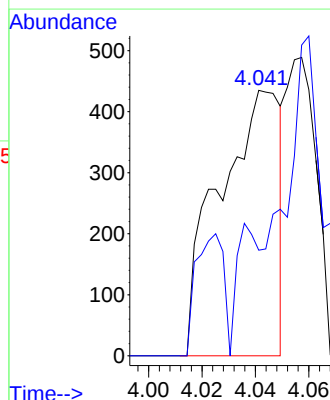
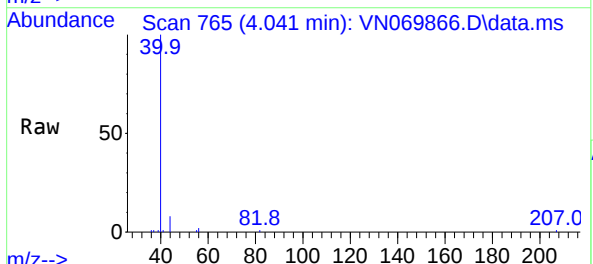
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

Tgt Ion:168 Resp: 1335328
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#13
Acrolein
Concen: 0.207 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion: 56 Resp: 687
Ion Ratio Lower Upper
56 100
55 17.6 56.6 85.0#

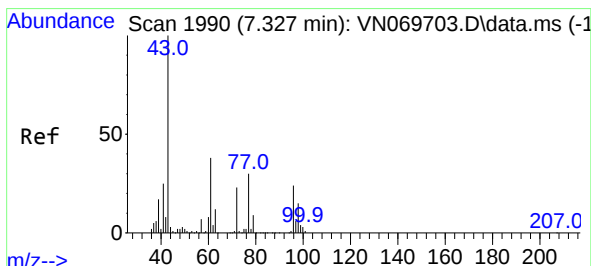
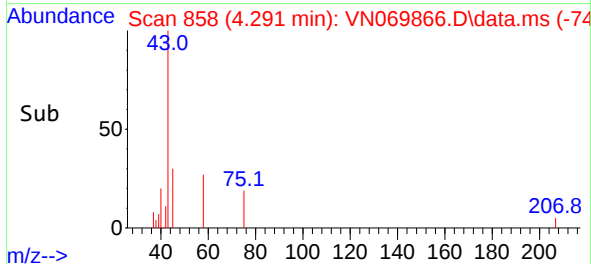
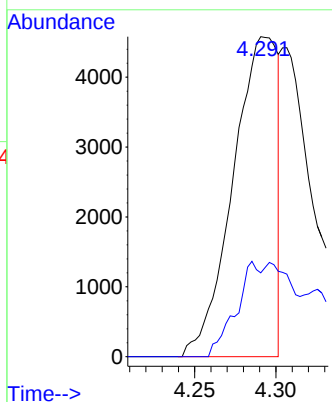
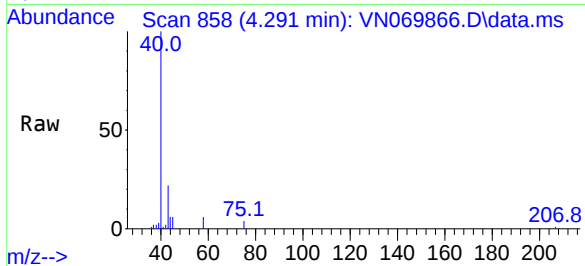




#16
Acetone
Concen: 0.701 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

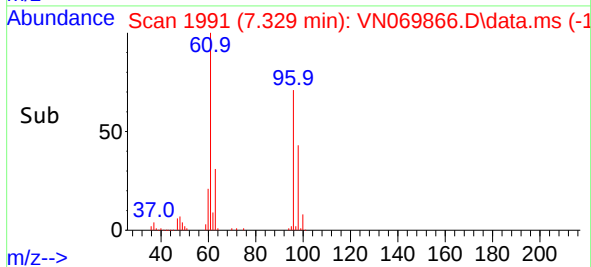
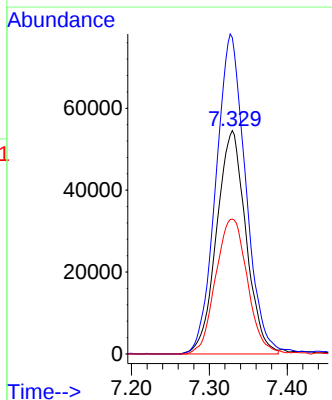
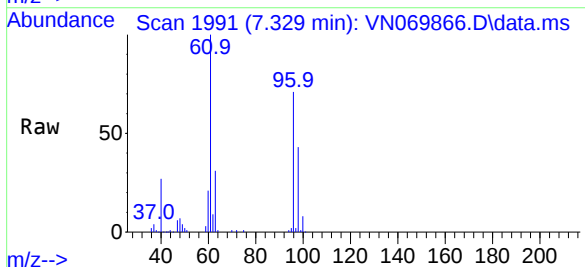
Instrument :
MSVOA_N
ClientSampleId :
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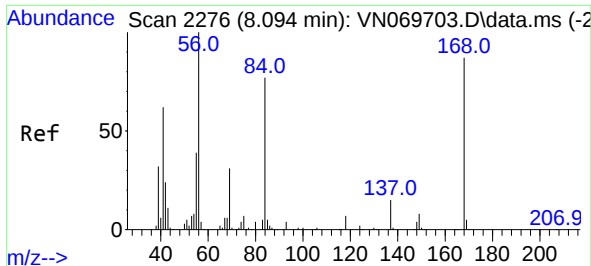
Tgt Ion: 43 Resp: 8699
Ion Ratio Lower Upper
43 100
58 26.2 23.1 34.7



#27
cis-1,2-Dichloroethene
Concen: 8.554 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.003 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

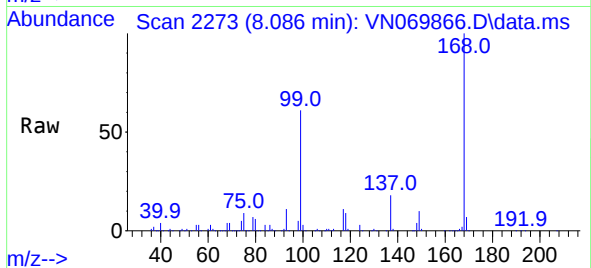
Tgt Ion: 96 Resp: 142782
Ion Ratio Lower Upper
96 100
61 145.6 0.0 275.0
98 65.2 0.0 129.6



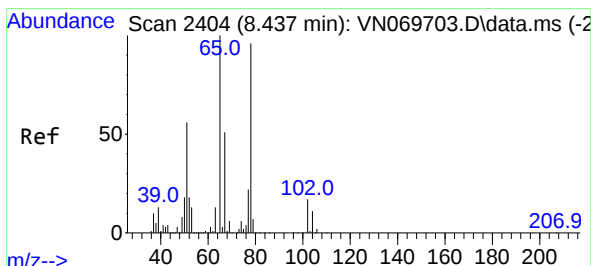
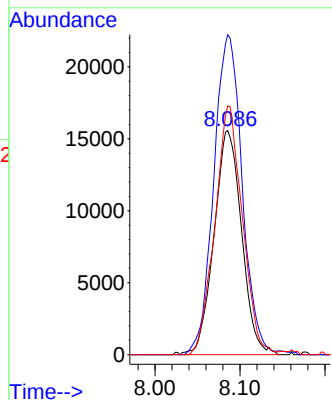
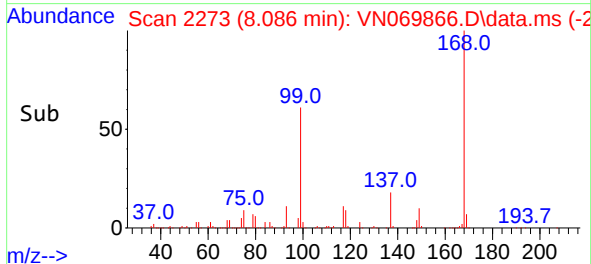


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Instrument :
MSVOA_N
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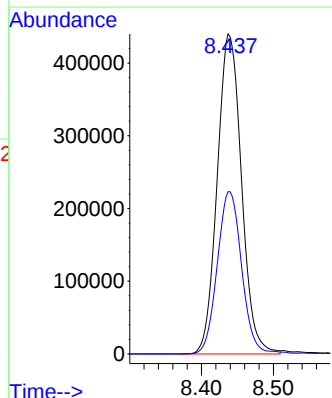
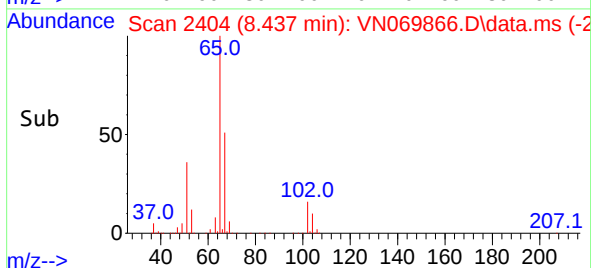
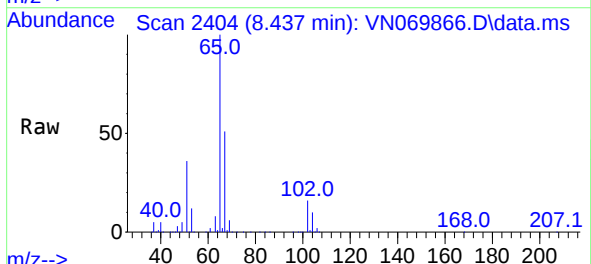


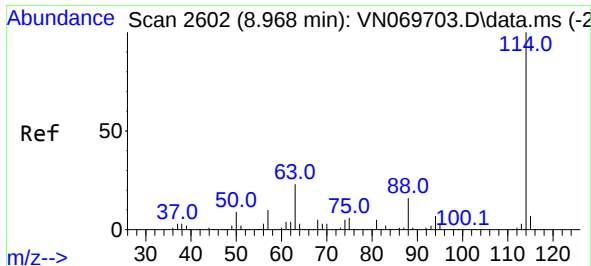
Tgt Ion: 56 Resp: 35073
Ion Ratio Lower Upper
56 100
69 142.7 27.1 40.7#
84 110.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.977 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion: 65 Resp: 1030391
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0

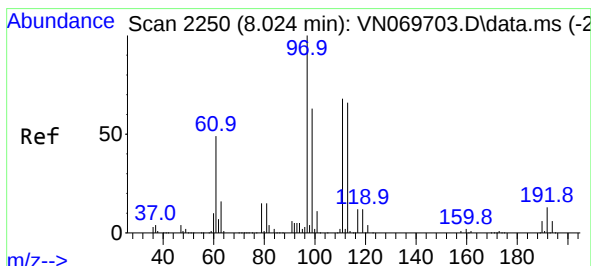
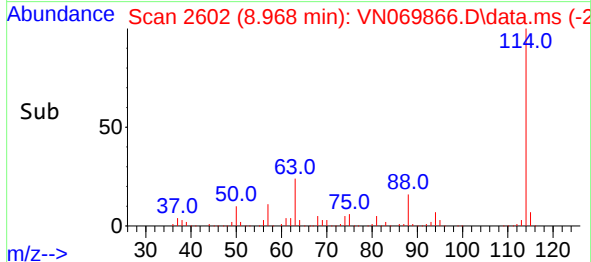
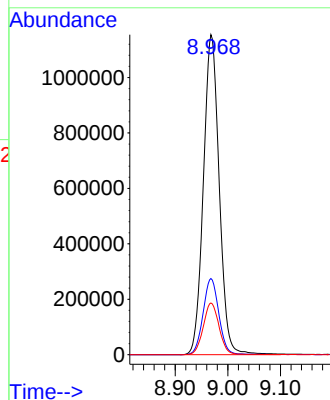
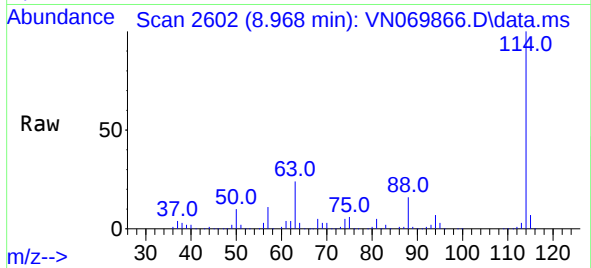




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

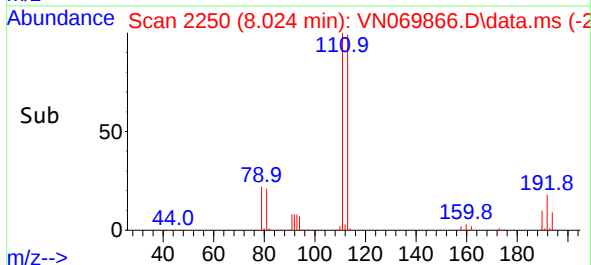
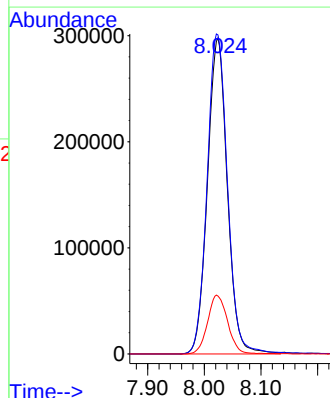
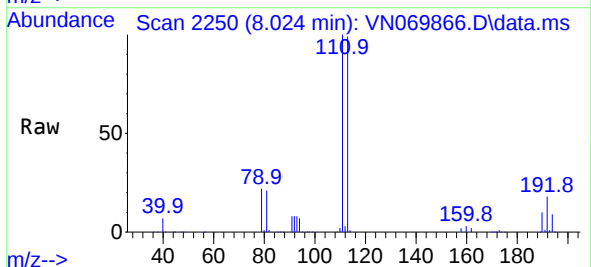
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

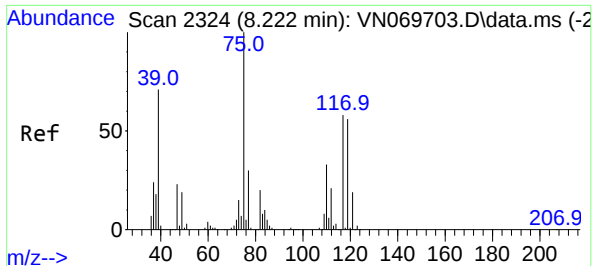
Tgt Ion:114 Resp: 2409197
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.234 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion:113 Resp: 727881
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.010 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN069866.D

Acq: 8 Dec 2021 17:20

Instrument :

MSVOA_N

ClientSampleId :

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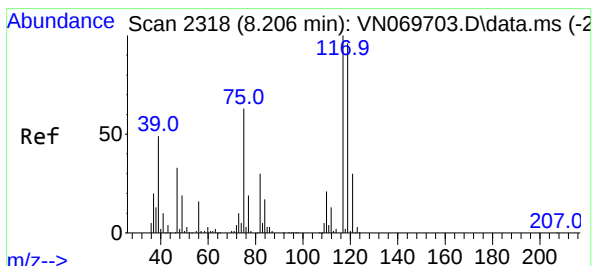
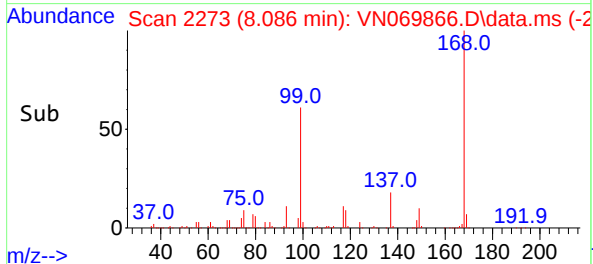
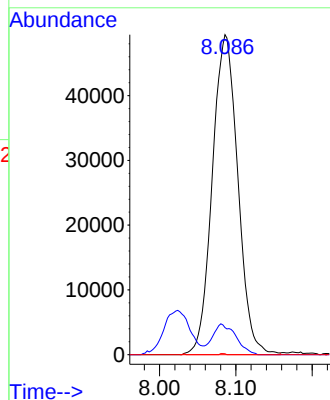
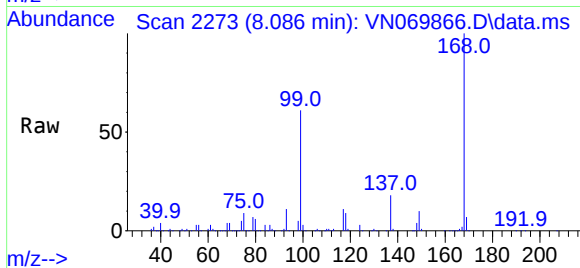
Tgt Ion: 75 Resp: 114900

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.164 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.121 min

Lab File: VN069866.D

Acq: 8 Dec 2021 17:20

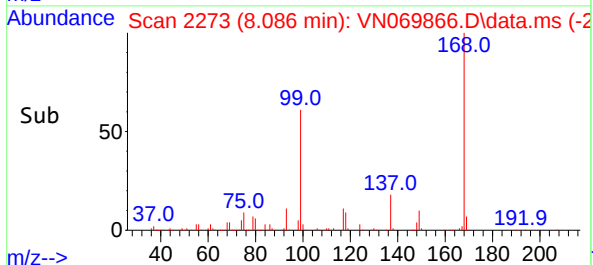
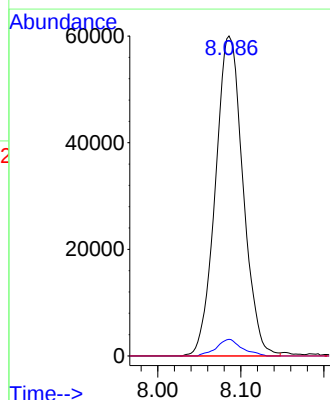
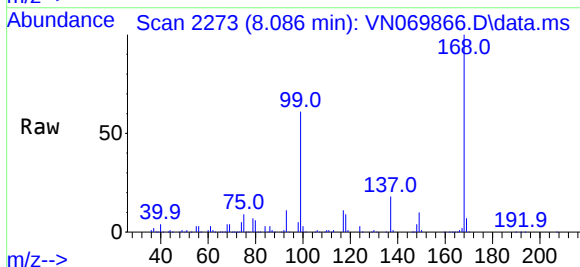
Tgt Ion: 117 Resp: 138639

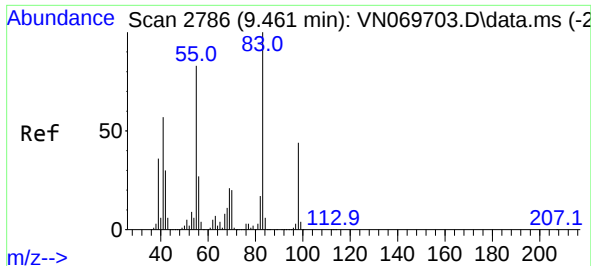
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.2 36.2#

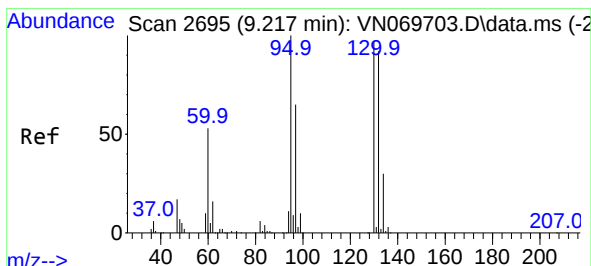
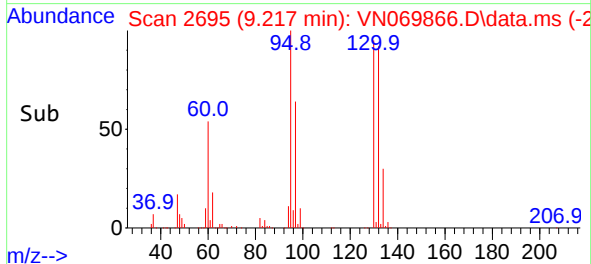
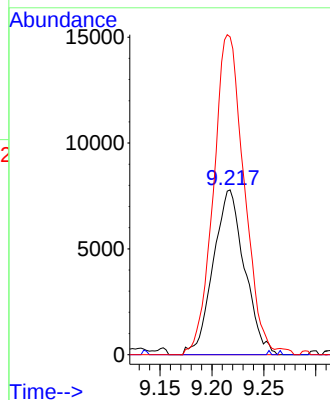
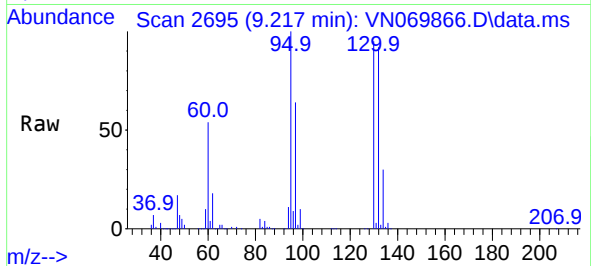




#39
Methylcyclohexane
Concen: 0.599 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

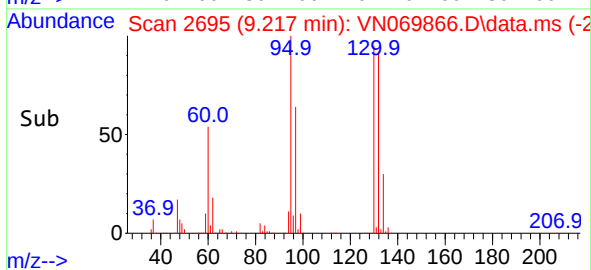
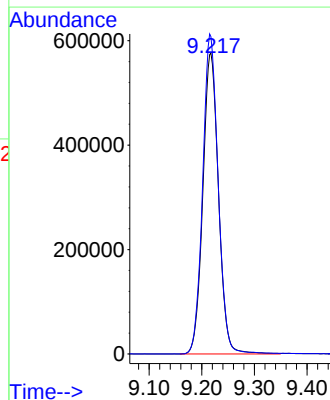
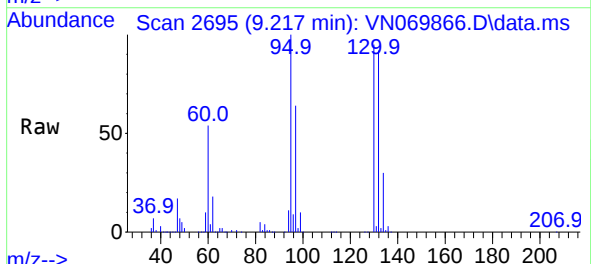
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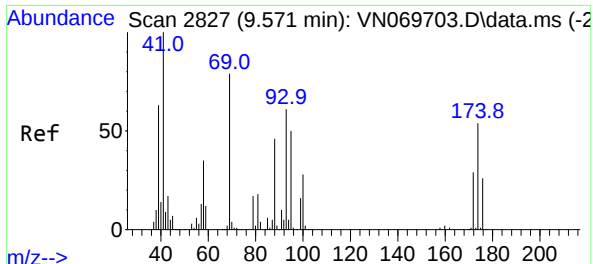
Tgt Ion: 83 Resp: 16334
Ion Ratio Lower Upper
83 100
55 2.0 58.1 87.1#
98 192.9 38.4 57.6#



#44
Trichloroethene
Concen: 71.130 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion:130 Resp: 1190159
Ion Ratio Lower Upper
130 100
95 105.5 0.0 191.2

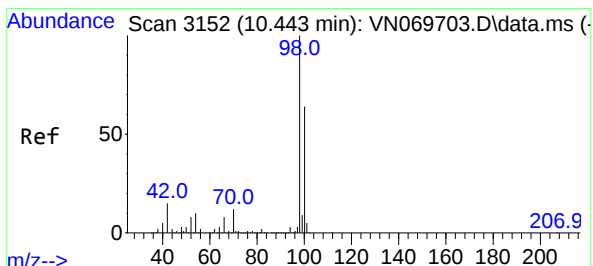
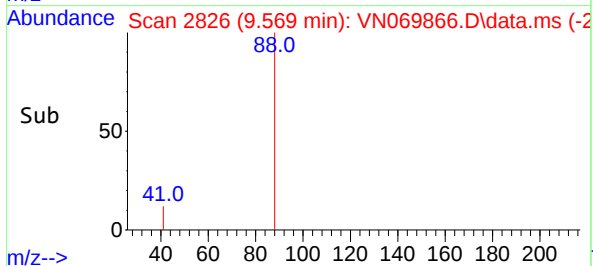
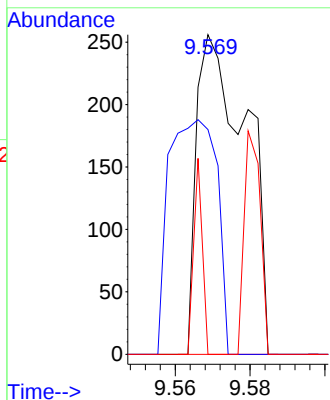
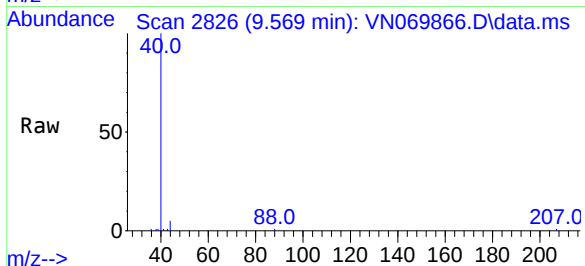




#49
1,4-Dioxane
Concen: 0.553 ug/l
RT: 9.569 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

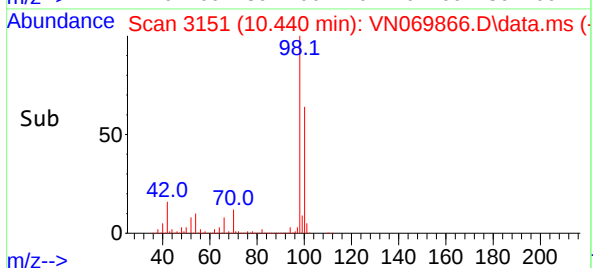
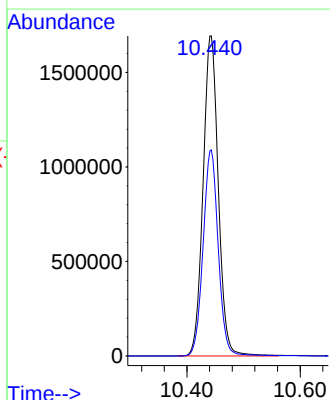
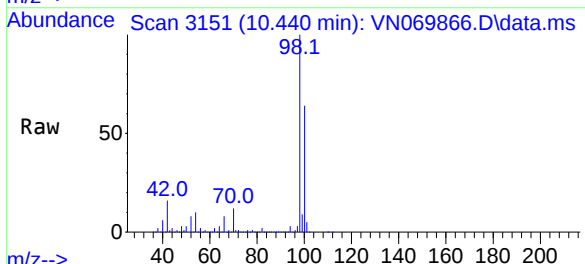
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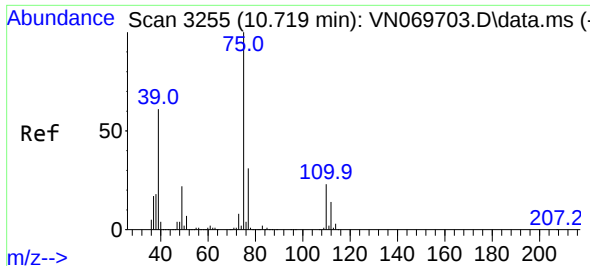
Tgt Ion: 88 Resp: 234
Ion Ratio Lower Upper
88 100
43 71.4 23.4 35.2#
58 10.7 50.6 75.8#



#50
Toluene-d8
Concen: 52.157 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion: 98 Resp: 3160380
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6

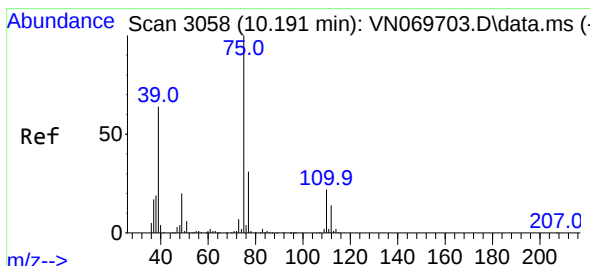
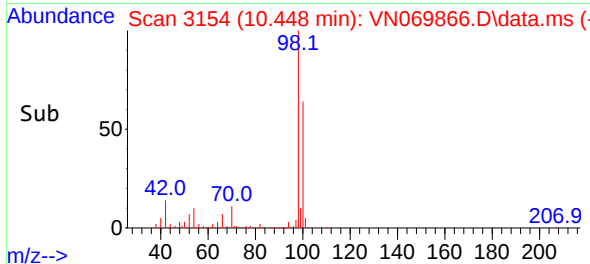
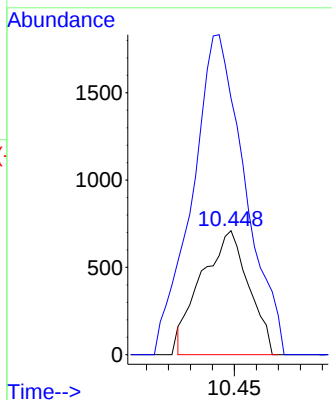
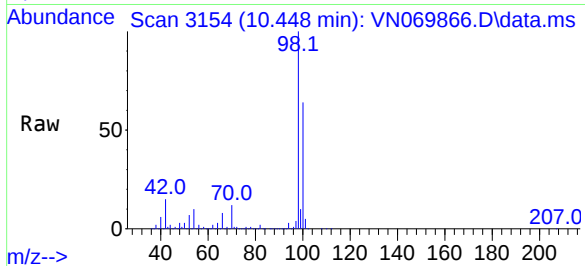




#53
t-1,3-Dichloropropene
Concen: 2.829 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.271 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

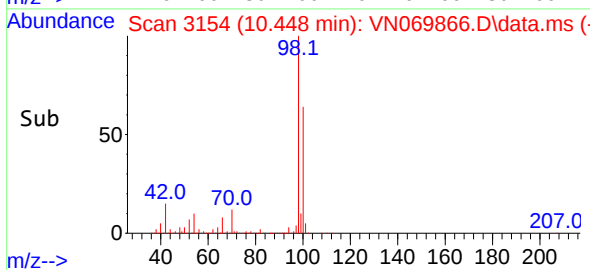
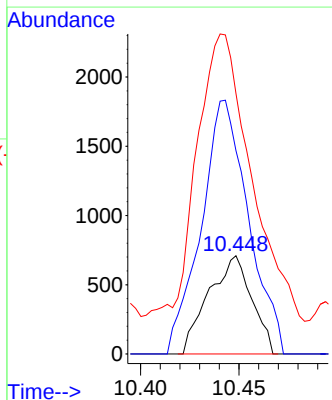
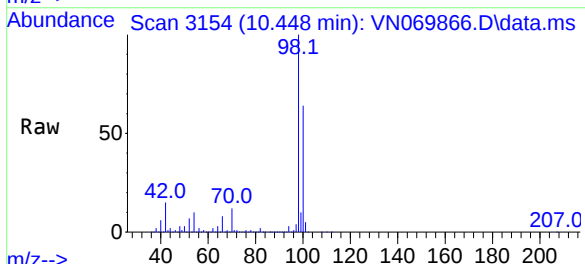
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

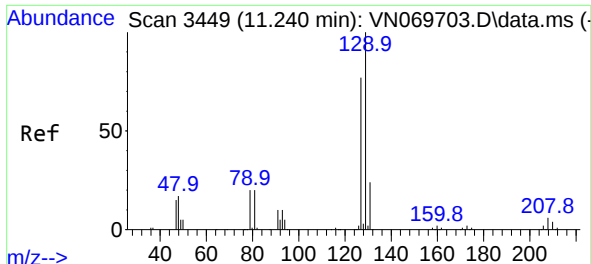
Tgt Ion: 75 Resp: 1053
Ion Ratio Lower Upper
75 100
77 175.1 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.034 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.257 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion: 75 Resp: 1078
Ion Ratio Lower Upper
75 100
77 175.1 26.4 39.6#
39 207.9 42.5 63.7#

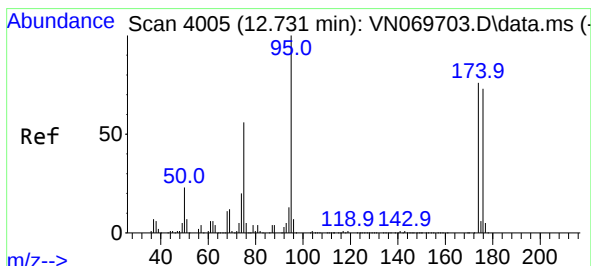
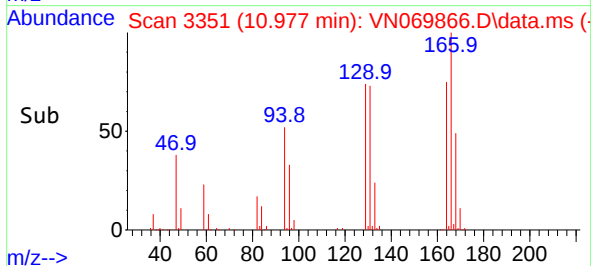
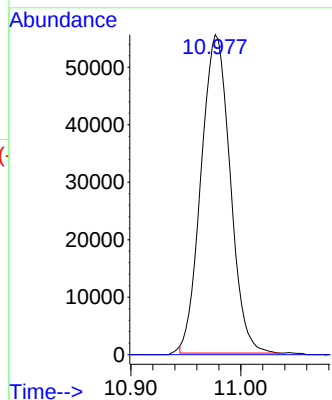
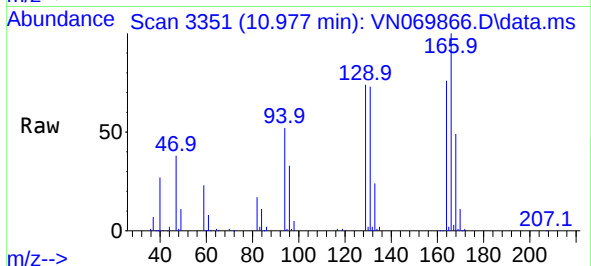




#60
Dibromochloromethane
Concen: 7.609 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

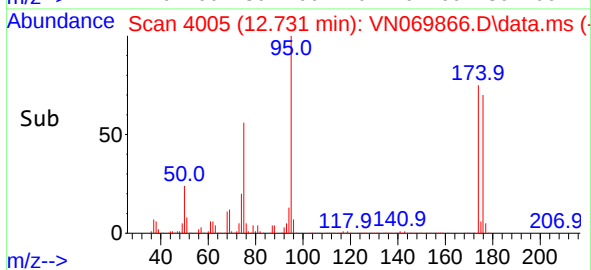
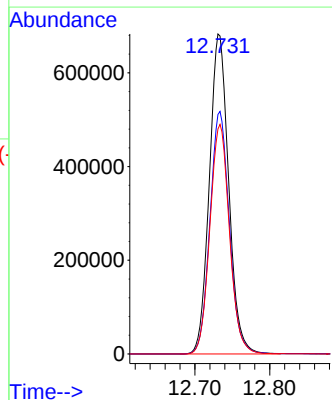
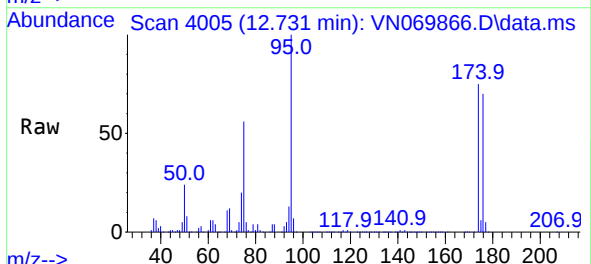
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

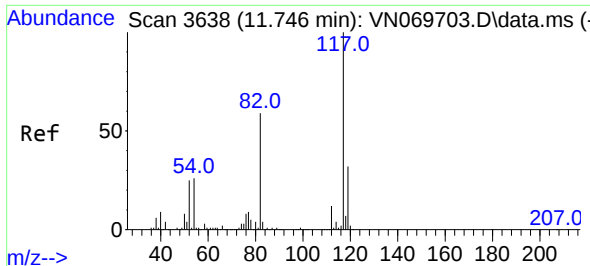
Tgt Ion:129 Resp: 101655
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.772 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

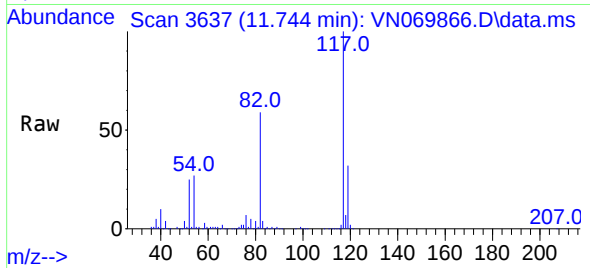
Tgt Ion: 95 Resp: 1224306
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 72.7 0.0 181.4





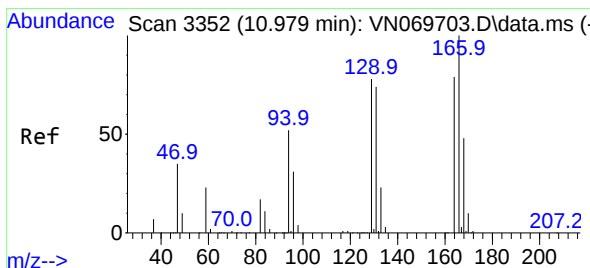
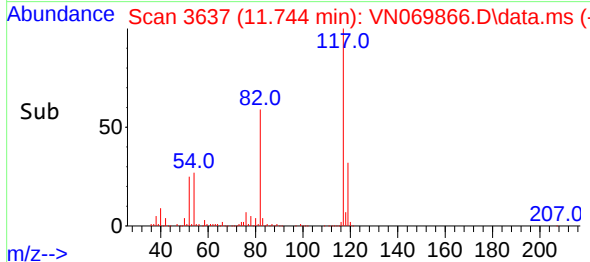
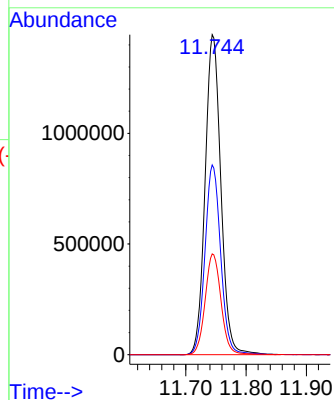
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206



Tgt Ion:117 Resp: 2627180

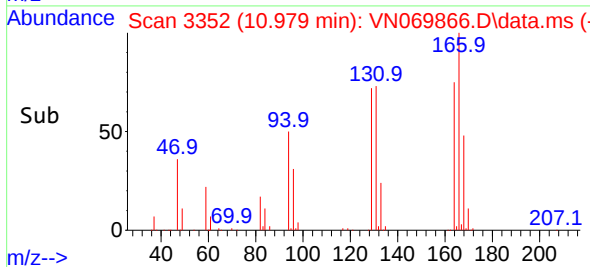
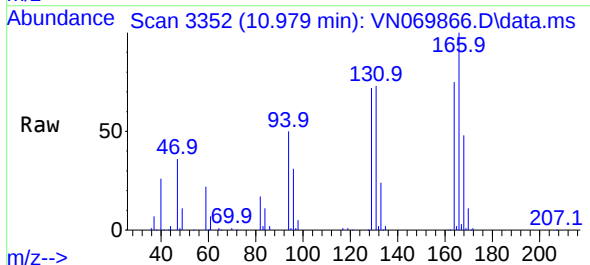
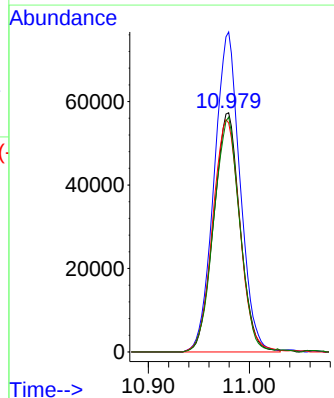
Ion	Ratio	Lower	Upper
117	100		
82	59.3	42.4	63.6
119	31.5	25.4	38.2

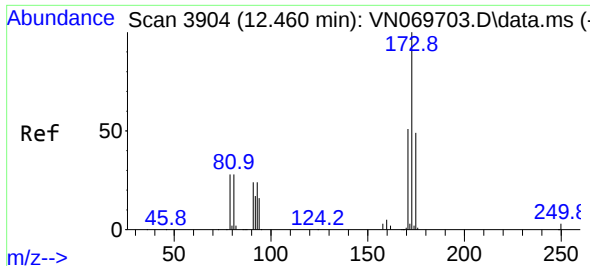


#64
Tetrachloroethene
Concen: 5.818 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion:164 Resp: 103634

Ion	Ratio	Lower	Upper
164	100		
166	133.8	101.9	152.9
129	95.7	72.0	108.0
131	98.2	70.9	106.3

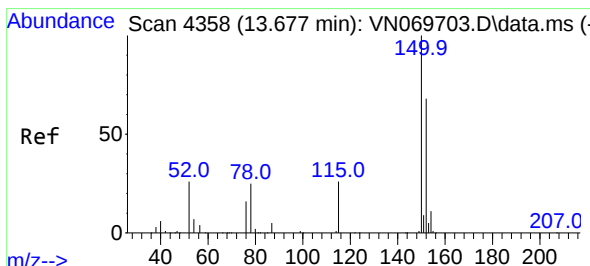
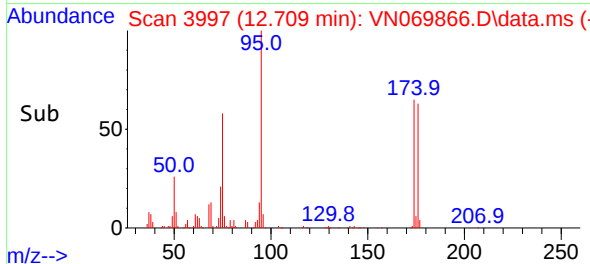
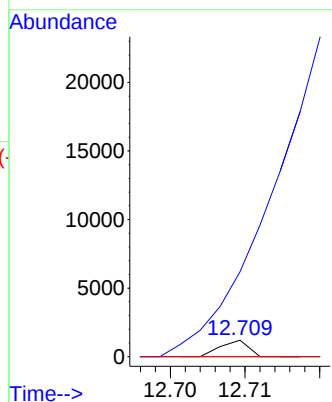
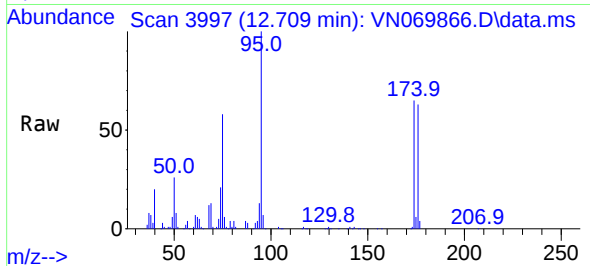




#71
Bromoform
Concen: 2.749 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

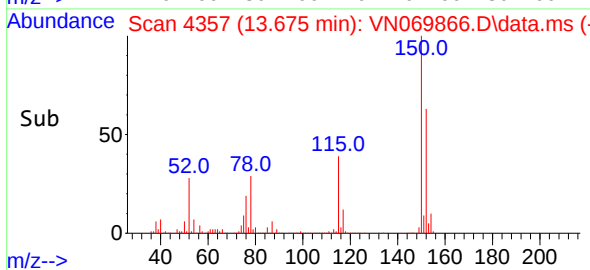
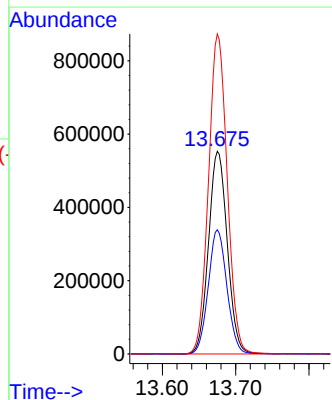
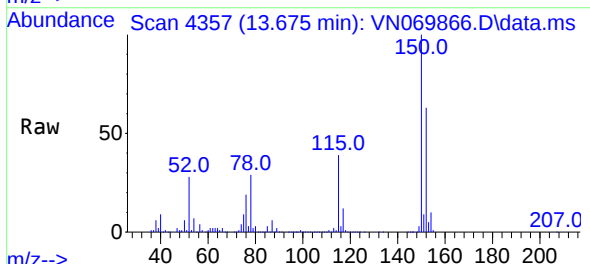
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

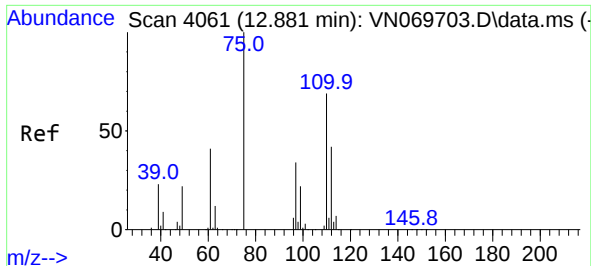
Tgt Ion:173 Resp: 312
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion:152 Resp: 986289
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.1 0.0 344.4

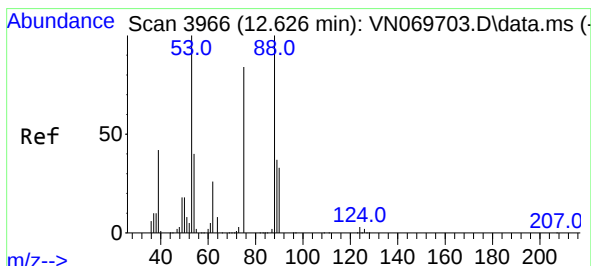
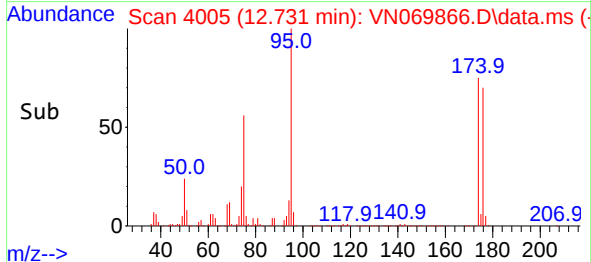
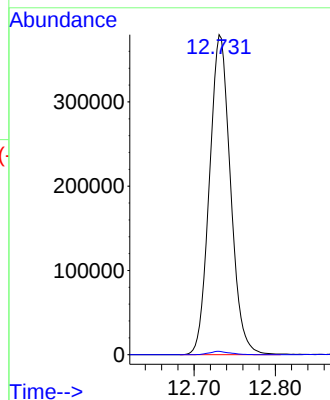
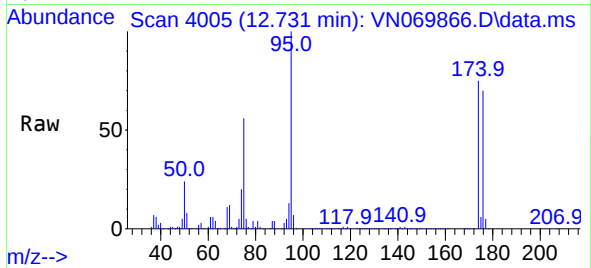




#76
1,2,3-Trichloropropane
Concen: 24.139 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

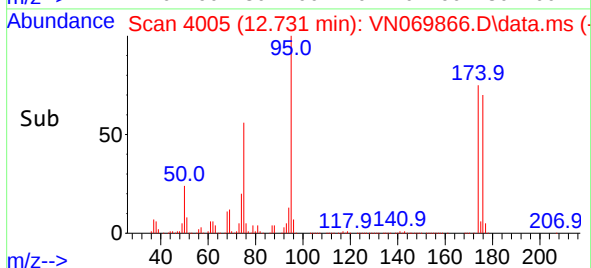
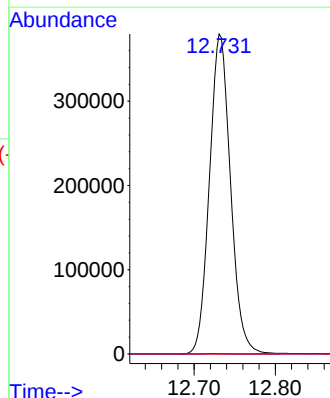
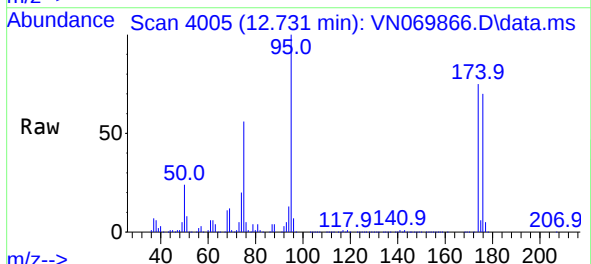
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

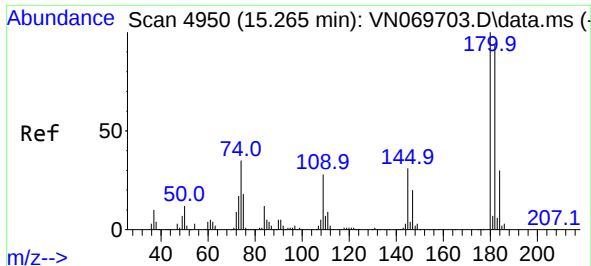
Tgt Ion: 75 Resp: 682770
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.649 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

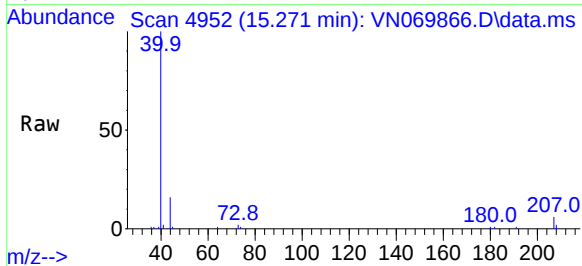
Tgt Ion: 75 Resp: 682770
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



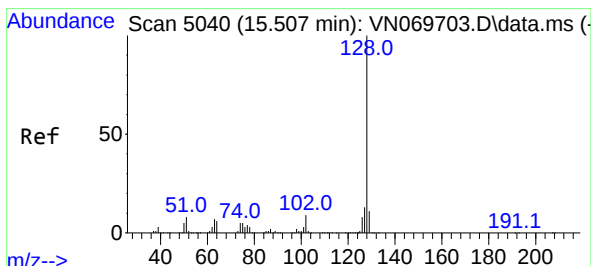
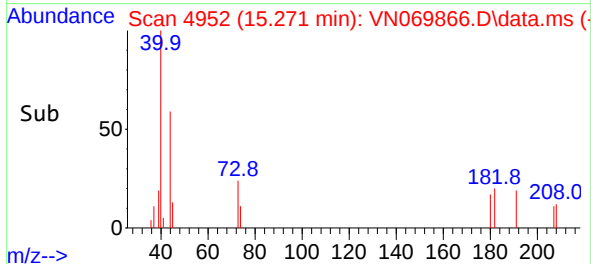
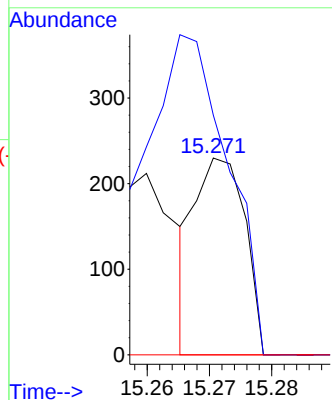


#93
1,2,4-Trichlorobenzene
Concen: 2.885 ug/l
RT: 15.271 min Scan# 4950
Delta R.T. 0.006 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

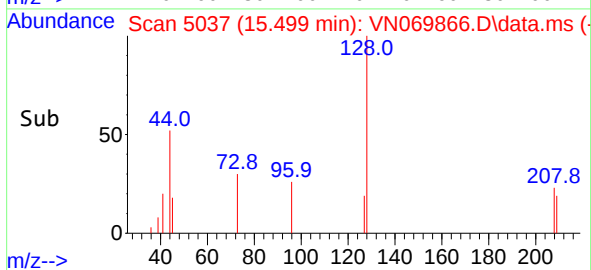
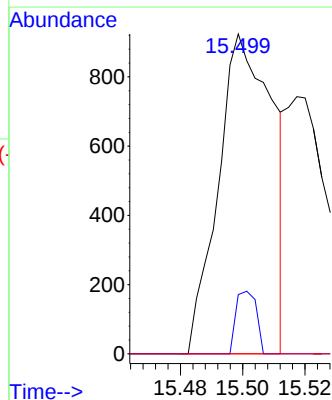
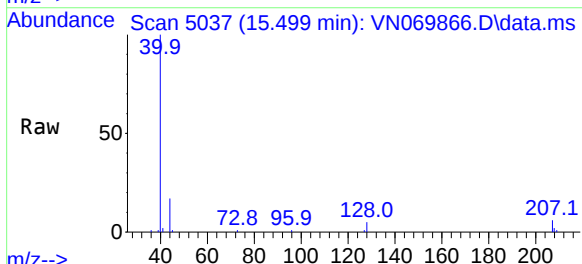


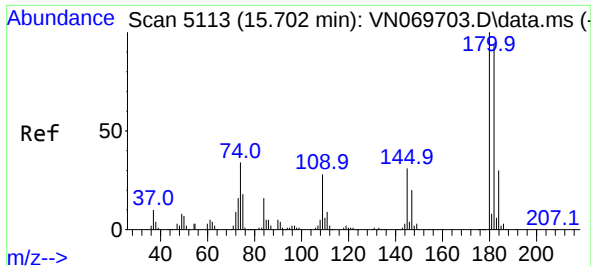
Tgt Ion:180 Resp: 127
Ion Ratio Lower Upper
180 100
182 270.9 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.006 ug/l
RT: 15.499 min Scan# 5037
Delta R.T. -0.008 min
Lab File: VN069866.D
Acq: 8 Dec 2021 17:20

Tgt Ion:128 Resp: 1119
Ion Ratio Lower Upper
128 100
127 7.3 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.451 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN069866.D

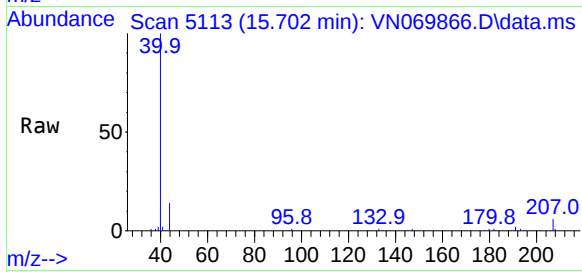
Acq: 8 Dec 2021 17:20

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20211206



Tgt Ion:180 Resp: 260

Ion Ratio Lower Upper

180 100

182 72.7 47.4 142.2

145 0.0 15.0 45.1#

