

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069820.D
 Acq On : 7 Dec 2021 17:32
 Operator : JC/MD
 Sample : M4956-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20211205

Quant Time: Dec 08 04:37:47 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)

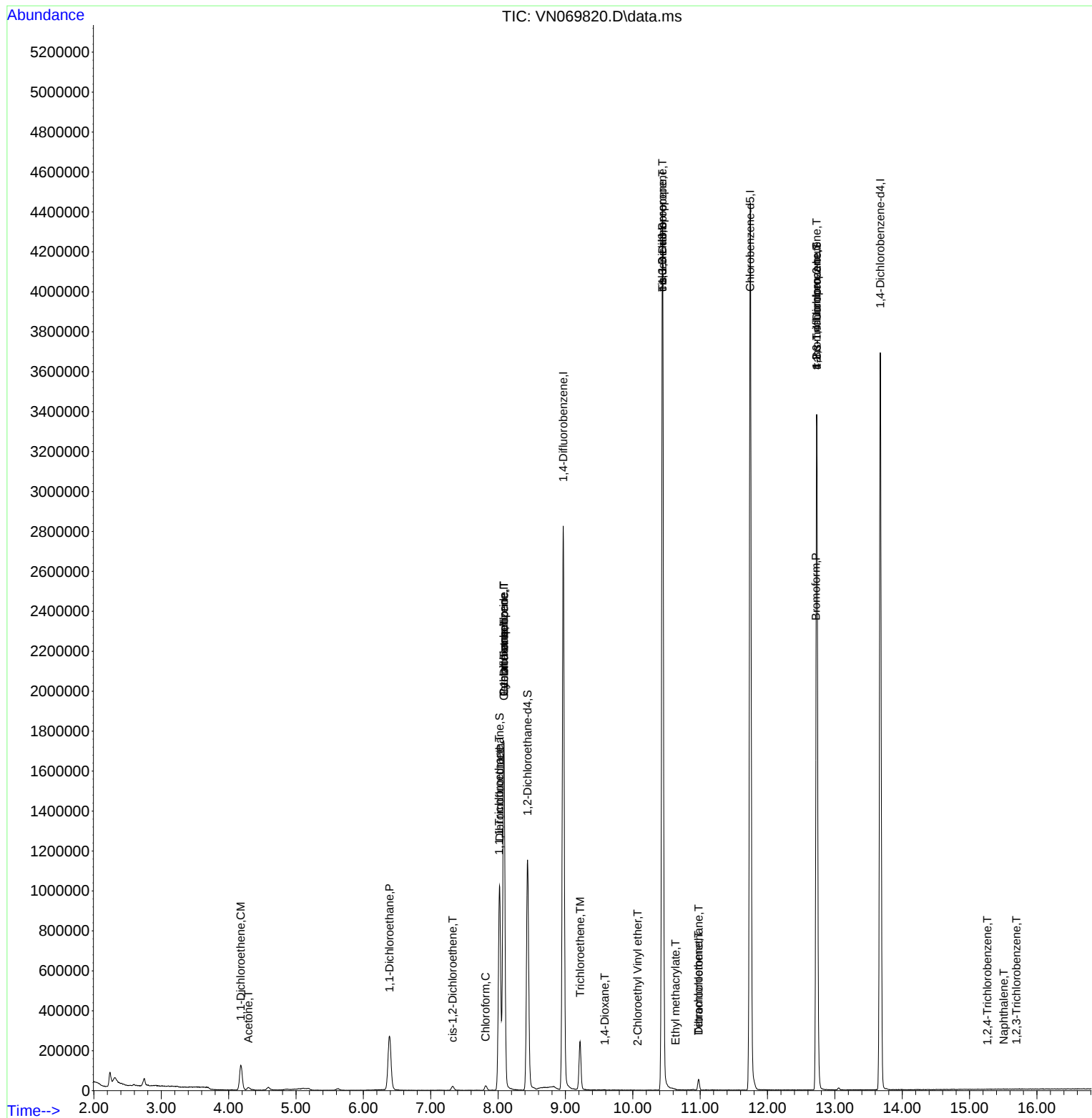
Internal Standards						
1) Pentafluorobenzene	8.086	168	1296406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2351843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2490340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	964452	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	999051	49.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.82%		
35) Dibromofluoromethane	8.021	113	705715	47.91	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.82%		
50) Toluene-d8	10.440	98	3009164	50.87	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.74%		
62) 4-Bromofluorobenzene	12.731	95	1189259	55.50	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.00%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.181	96	66915	5.42	ug/l	87
16) Acetone	4.293	43	19427	1.61	ug/l #	85
24) 1,1-Dichloroethane	6.385	63	411178	14.59	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	10526	0.65	ug/l	86
30) Chloroform	7.812	83	21999	0.77	ug/l	97
31) Cyclohexane	8.086	56	34850	1.25	ug/l #	35
32) 1,1,1-Trichloroethane	8.016	97	49597	2.05	ug/l	94
36) 1,1-Dichloropropene	8.086	75	112258	5.01	ug/l #	50
38) Carbon Tetrachloride	8.088	117	131160	5.97	ug/l #	16
44) Trichloroethene	9.217	130	82109	5.03	ug/l	90
49) 1,4-Dioxane	9.582	88	1415	3.43	ug/l #	32
53) t-1,3-Dichloropropene	10.440	75	880	2.82	ug/l #	1
54) cis-1,3-Dichloropropene	10.440	75	880	2.03	ug/l #	1
56) Ethyl methacrylate	10.636	69	91	2.28	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.070	63	240	18.41	ug/l #	45
60) Dibromochloromethane	10.977	129	11695	2.99	ug/l #	11
64) Tetrachloroethene	10.974	164	11772	0.70	ug/l	94
71) Bromoform	12.720	173	748	2.78	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	665898	24.08	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	665898	76.46	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	171	2.89	ug/l #	12
95) Naphthalene	15.507	128	1115	4.01	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.697	180	63	2.44	ug/l #	12

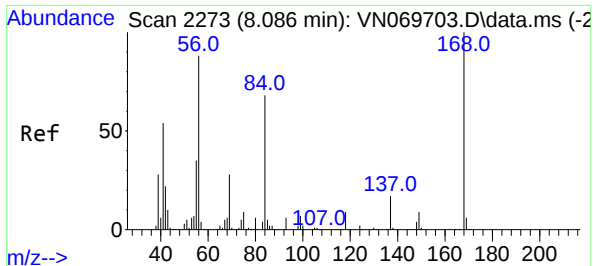
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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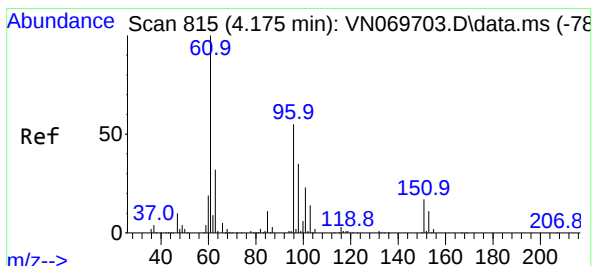
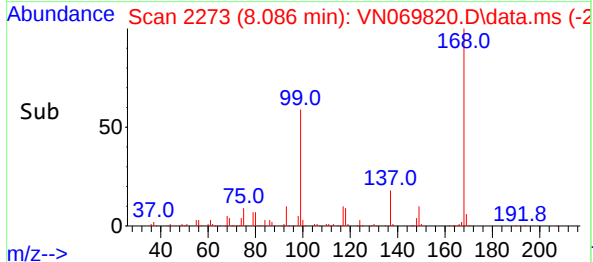
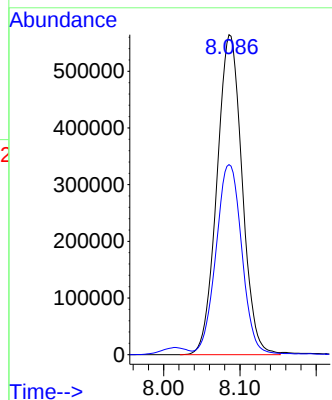
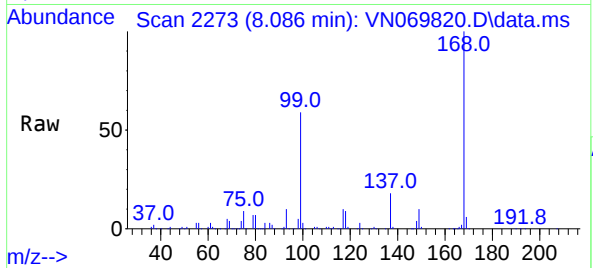




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

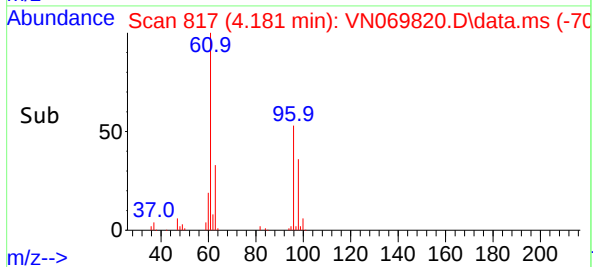
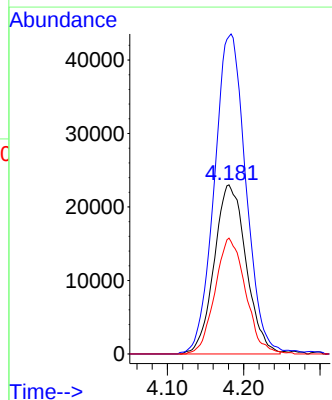
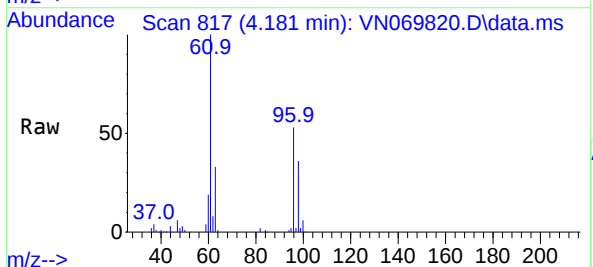
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MSVOA_N
ClientSampleId :
MW203D1-20211205

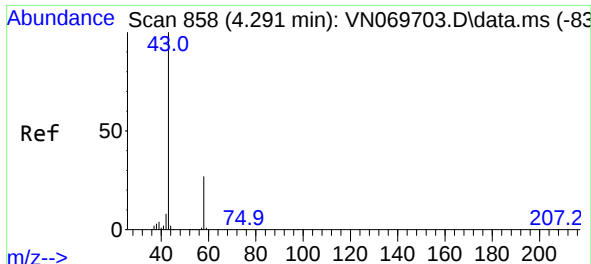
Tgt Ion:168 Resp: 1296406
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#12
1,1-Dichloroethene
Concen: 5.42 ug/l
RT: 4.181 min Scan# 817
Delta R.T. 0.005 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 96 Resp: 66915
Ion Ratio Lower Upper
96 100
61 186.8 131.0 196.6
98 68.5 52.4 78.6

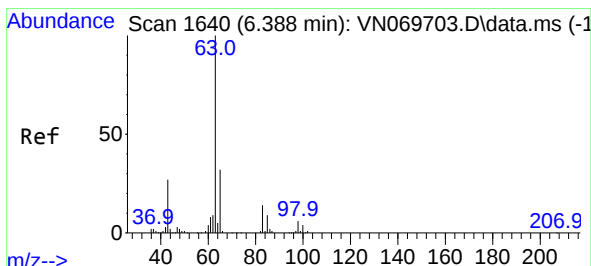
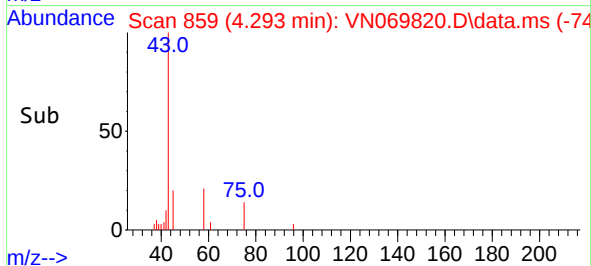
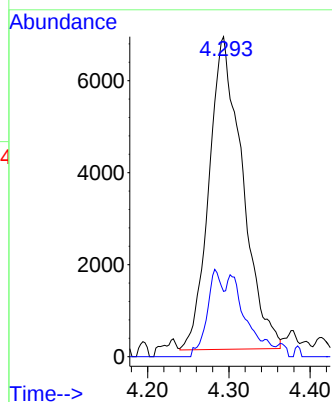
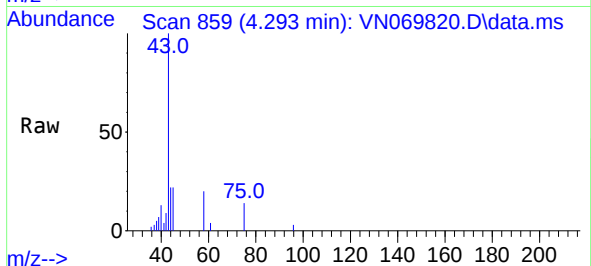




#16
Acetone
Concen: 1.61 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

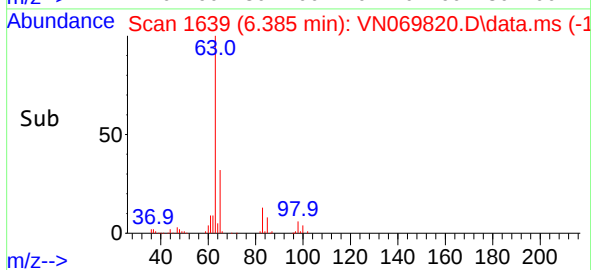
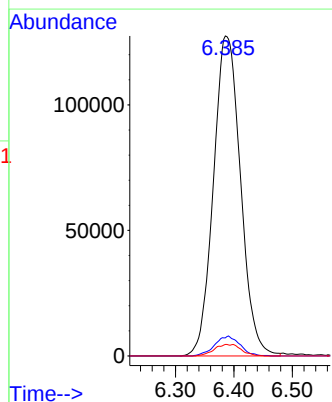
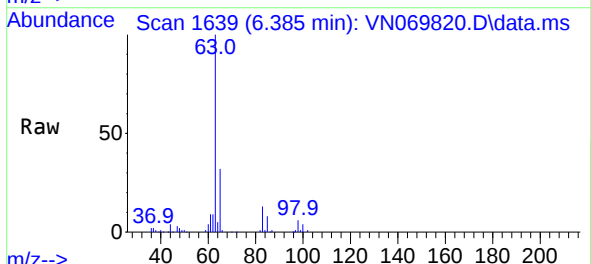
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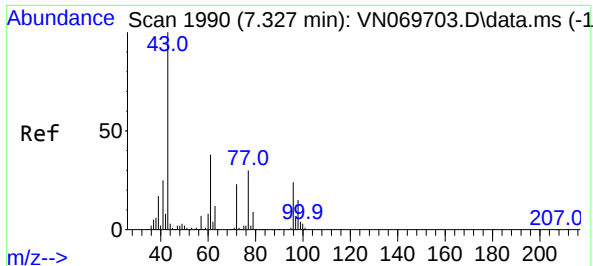
Tgt Ion: 43 Resp: 19427
Ion Ratio Lower Upper
43 100
58 20.9 23.1 34.7#



#24
1,1-Dichloroethane
Concen: 14.59 ug/l
RT: 6.385 min Scan# 1639
Delta R.T. -0.003 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 63 Resp: 411178
Ion Ratio Lower Upper
63 100
98 5.6 3.3 9.9
100 3.6 2.1 6.5

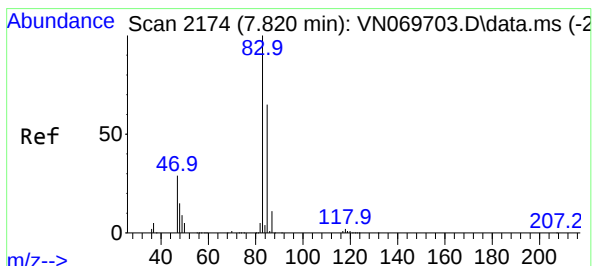
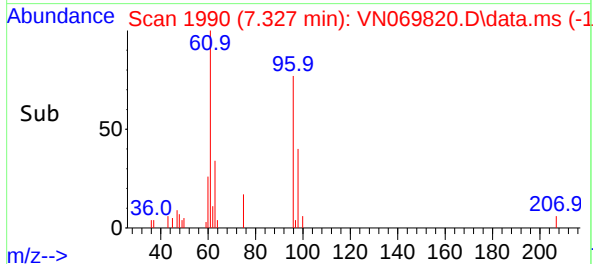
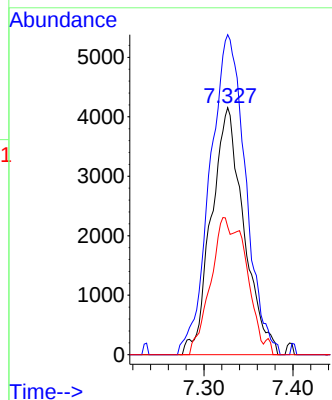
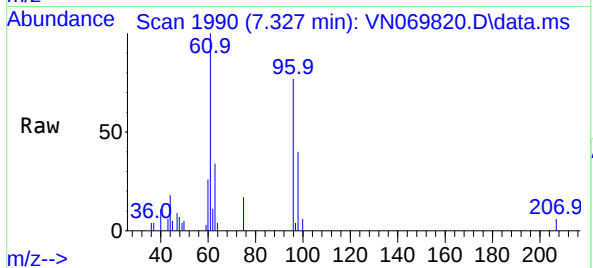




#27
 cis-1,2-Dichloroethene
 Concen: 0.65 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: VN069820.D
 Acq: 7 Dec 2021 17:32

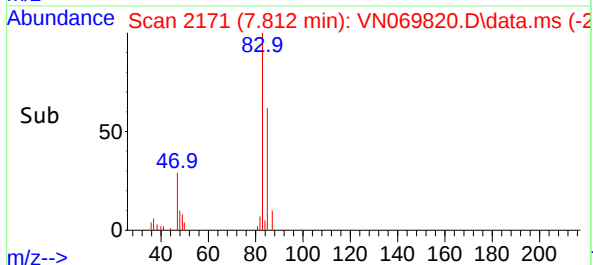
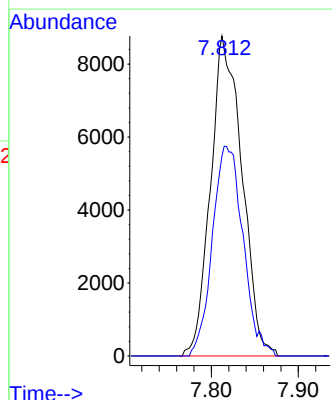
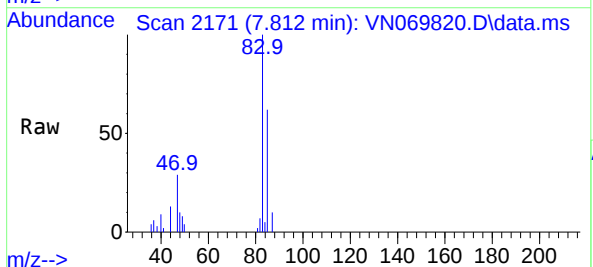
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20211205

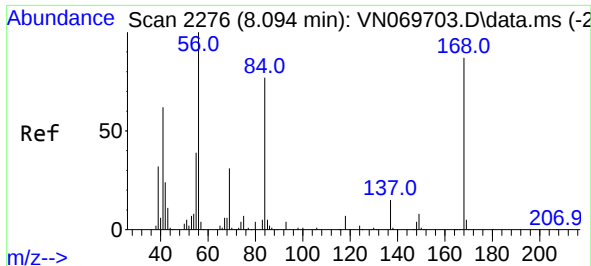
Tgt Ion: 96 Resp: 10526
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 275.0
 98 36.3 0.0 129.6



#30
 Chloroform
 Concen: 0.77 ug/l
 RT: 7.812 min Scan# 2171
 Delta R.T. -0.008 min
 Lab File: VN069820.D
 Acq: 7 Dec 2021 17:32

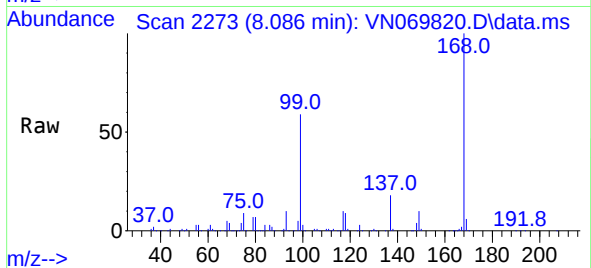
Tgt Ion: 83 Resp: 21999
 Ion Ratio Lower Upper
 83 100
 85 62.5 51.9 77.9



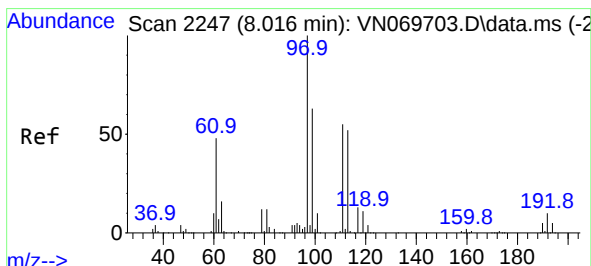
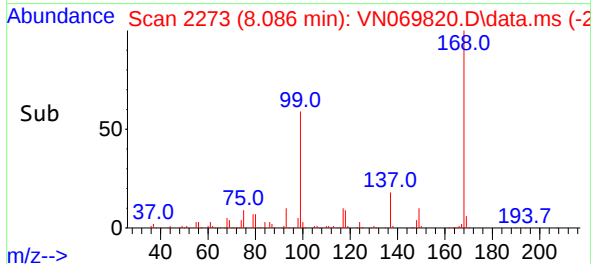
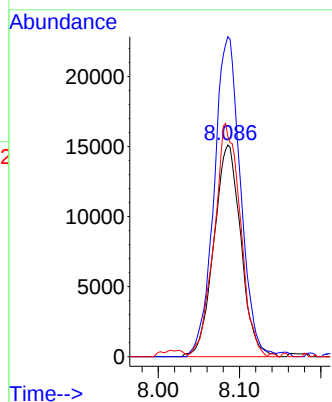


#31
Cyclohexane
Concen: 1.25 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205

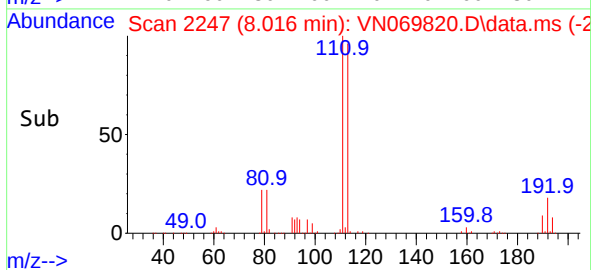
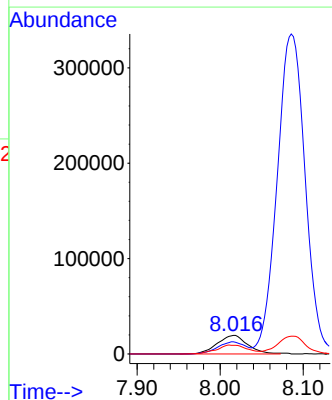
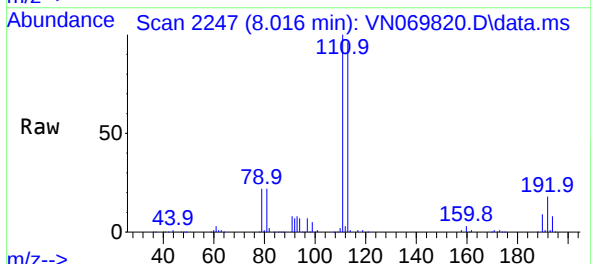


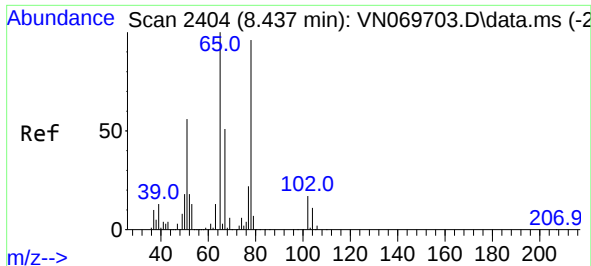
Tgt Ion: 56 Resp: 34850
Ion Ratio Lower Upper
56 100
69 151.2 27.1 40.7#
84 103.9 73.4 110.0



#32
1,1,1-Trichloroethane
Concen: 2.05 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 97 Resp: 49597
Ion Ratio Lower Upper
97 100
99 59.5 50.1 75.1
61 49.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.91 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069820.D

Acq: 7 Dec 2021 17:32

Instrument :

MSVOA_N

ClientSampleId :

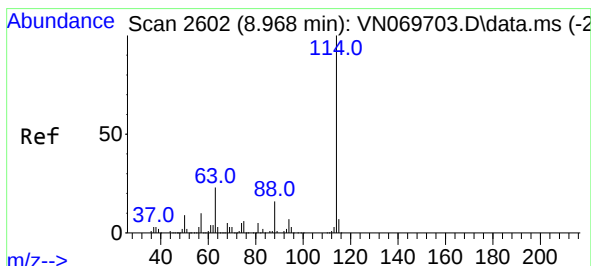
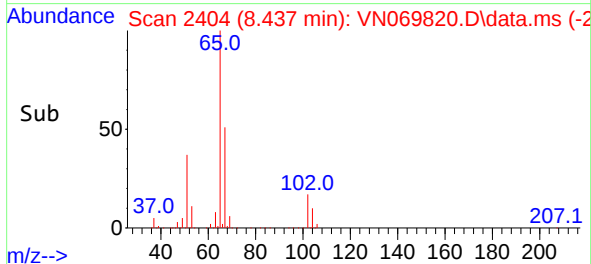
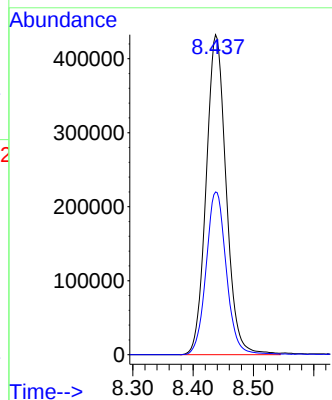
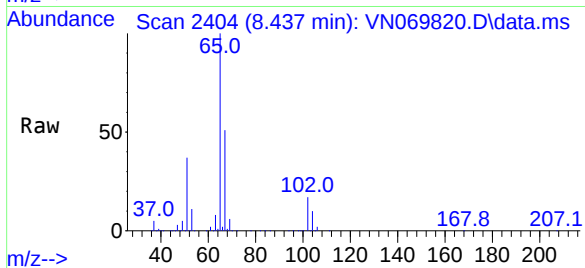
MW203D1-20211205

Tgt Ion: 65 Resp: 999051

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# 2602

Delta R.T. 0.000 min

Lab File: VN069820.D

Acq: 7 Dec 2021 17:32

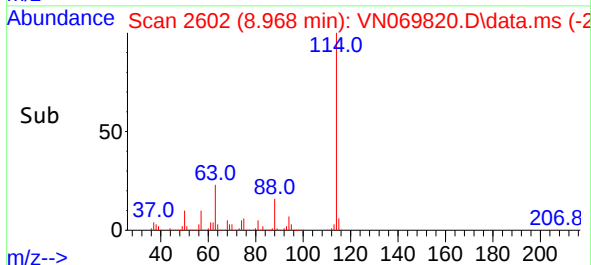
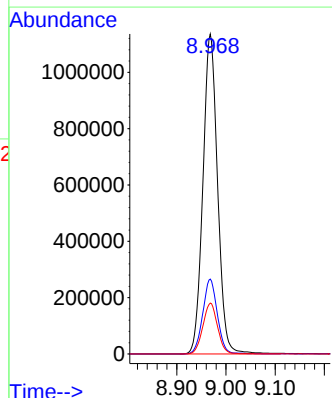
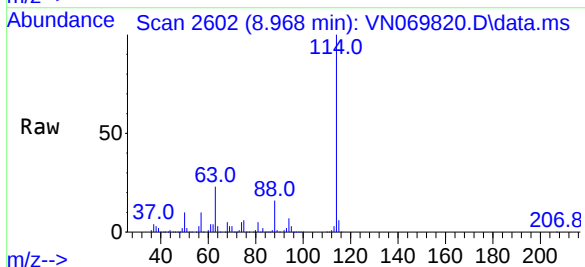
Tgt Ion: 114 Resp: 2351843

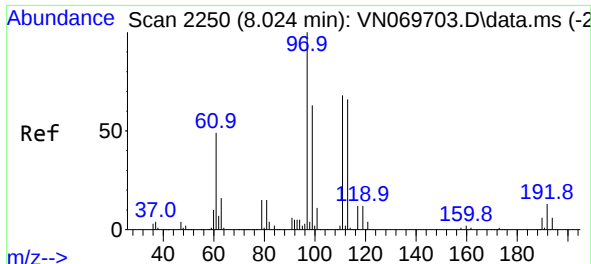
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 15.9 0.0 27.4

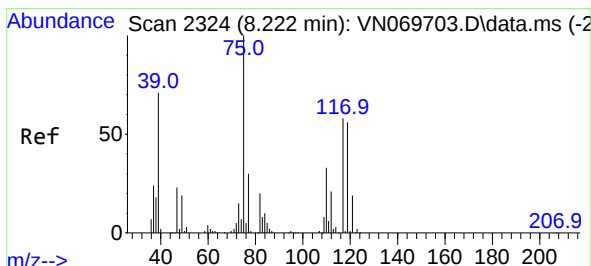
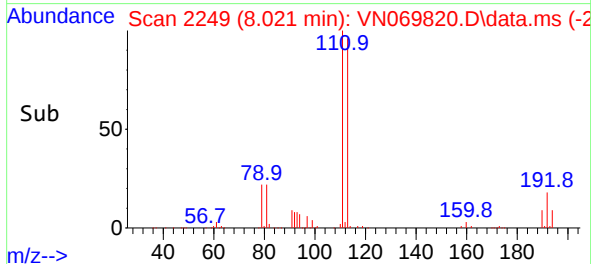
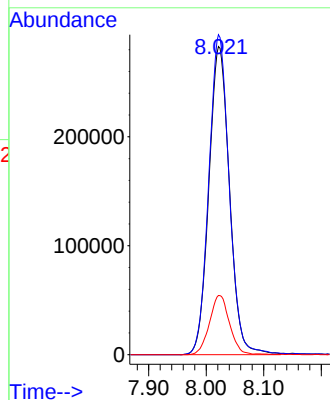
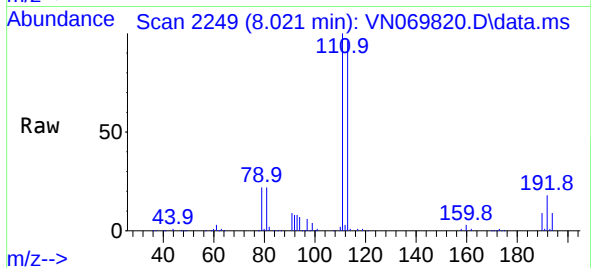




#35
Dibromofluoromethane
Concen: 47.91 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

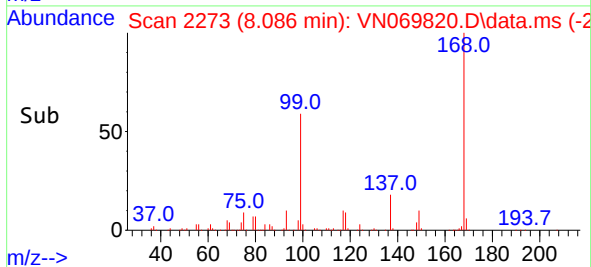
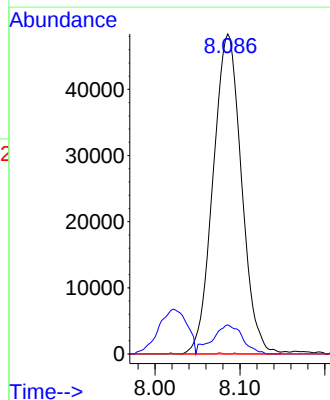
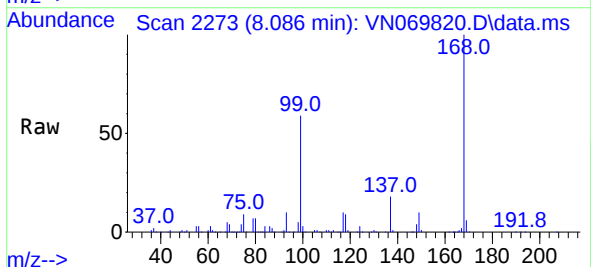
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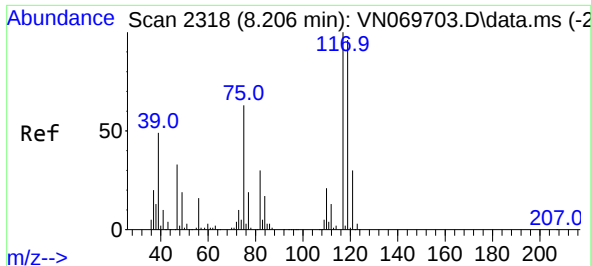
Tgt Ion:113 Resp: 705715
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.01 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 75 Resp: 112258
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.4 36.6#

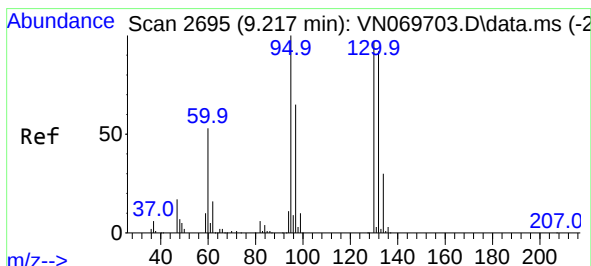
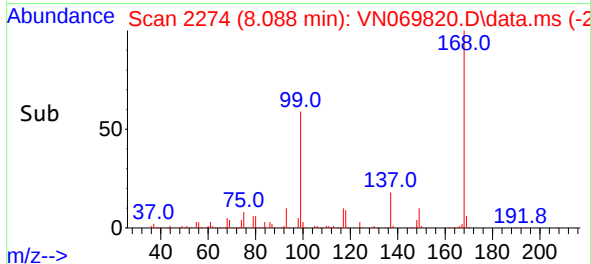
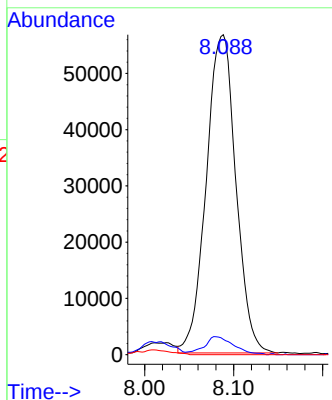
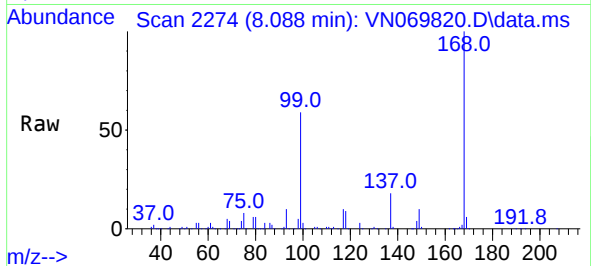




#38
Carbon Tetrachloride
Concen: 5.97 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

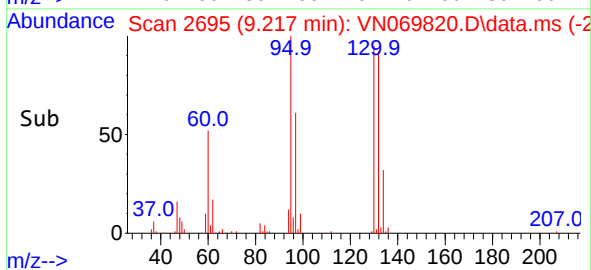
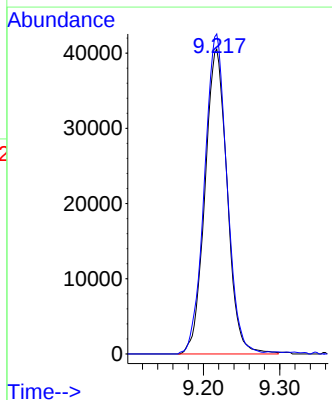
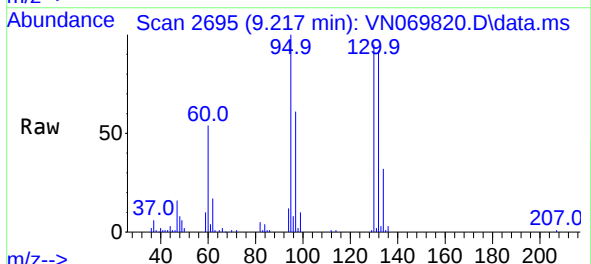
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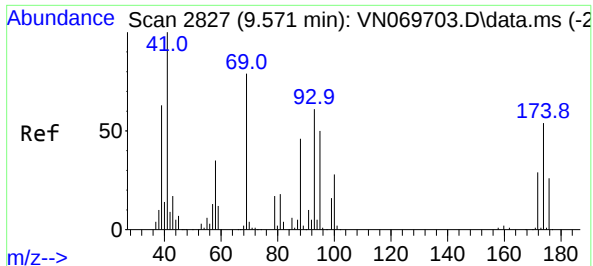
Tgt Ion:117 Resp: 131160
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 5.03 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion:130 Resp: 82109
Ion Ratio Lower Upper
130 100
95 105.0 0.0 191.2

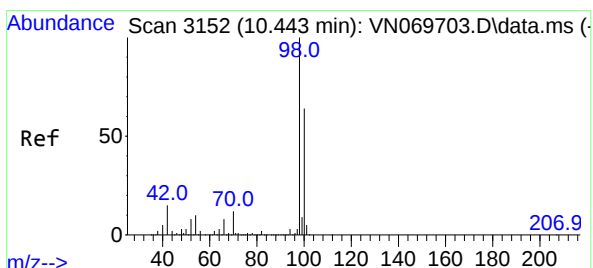
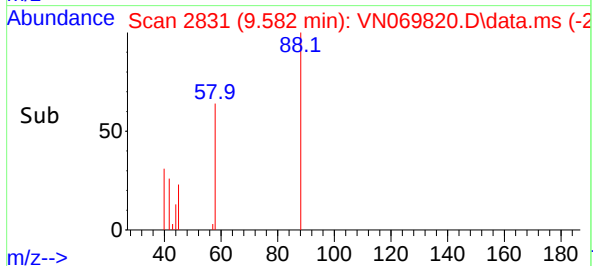
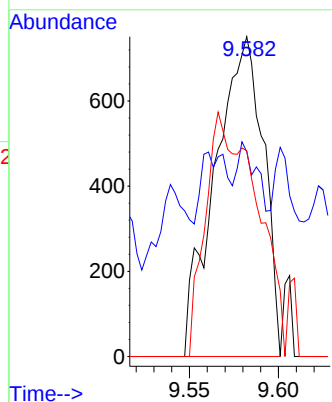
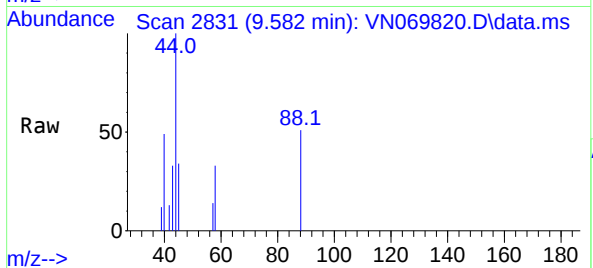




#49
1,4-Dioxane
Concen: 3.43 ug/l
RT: 9.582 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

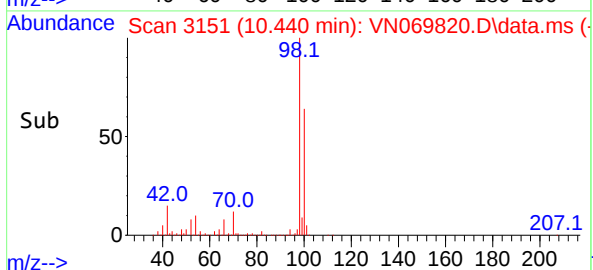
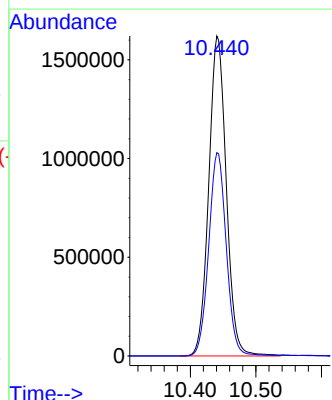
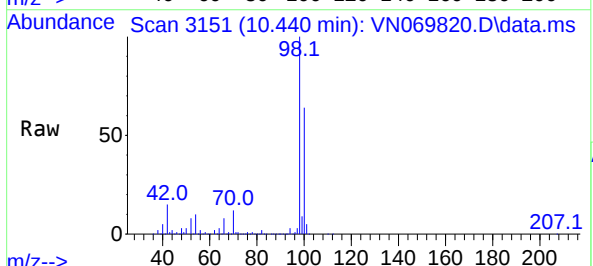
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205

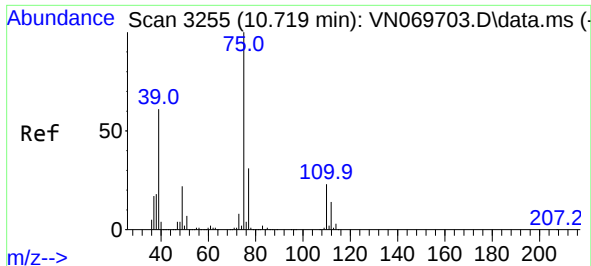
Tgt Ion: 88 Resp: 1415
Ion Ratio Lower Upper
88 100
43 7.7 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 50.87 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 98 Resp: 3009164
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6

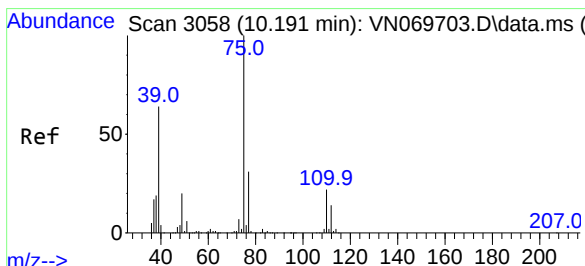
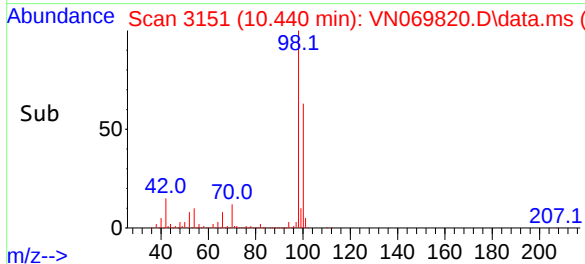
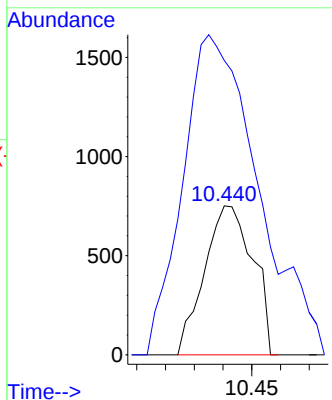
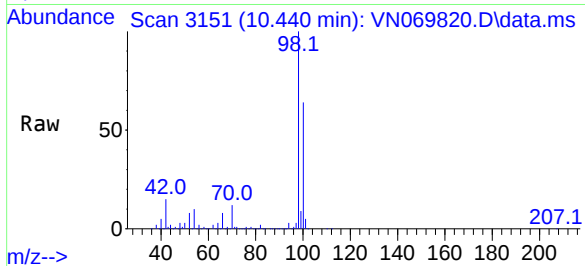




#53
t-1,3-Dichloropropene
Concen: 2.82 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.279 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

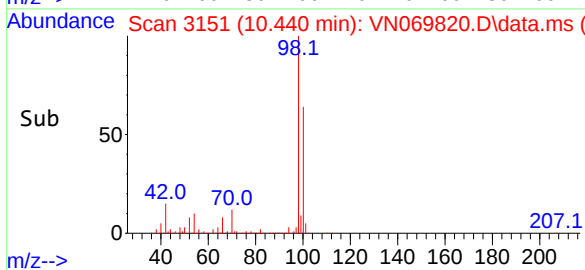
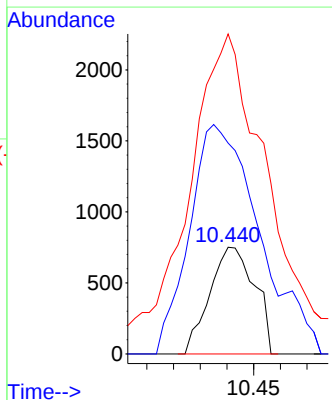
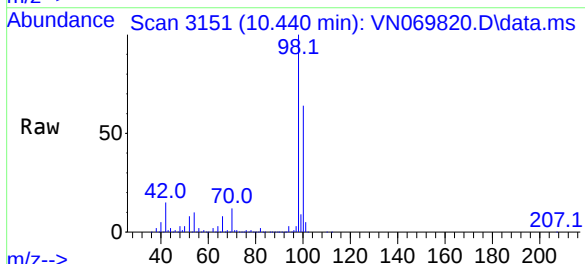
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205

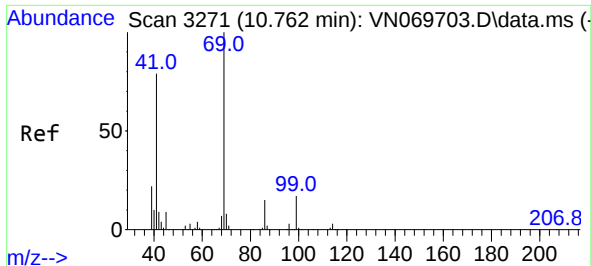
Tgt Ion: 75 Resp: 880
Ion Ratio Lower Upper
75 100
77 143.7 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.03 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.249 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 75 Resp: 880
Ion Ratio Lower Upper
75 100
77 143.7 26.4 39.6#
39 198.0 42.5 63.7#

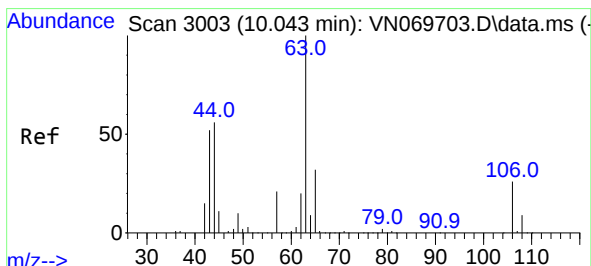
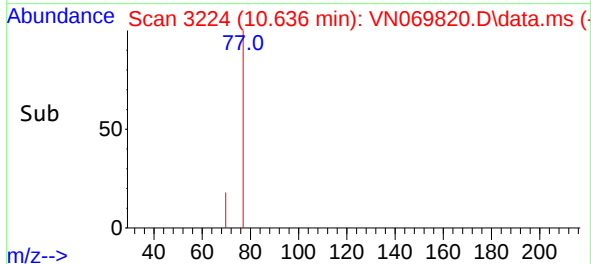
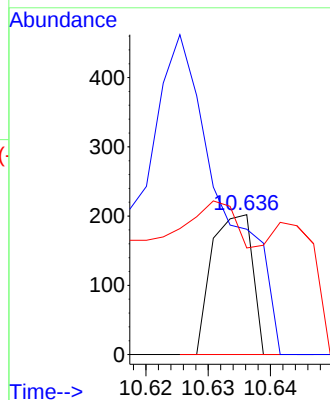
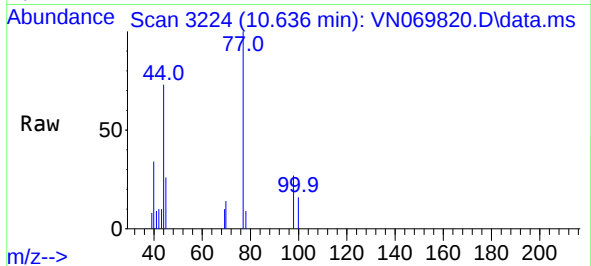




#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.636 min Scan# 3013
Delta R.T. -0.126 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

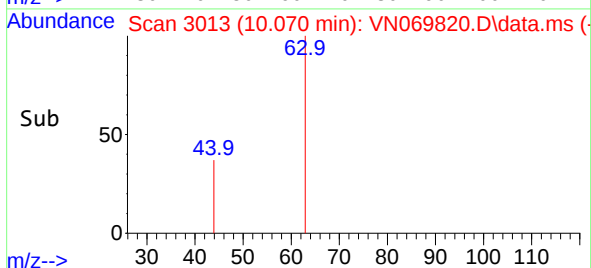
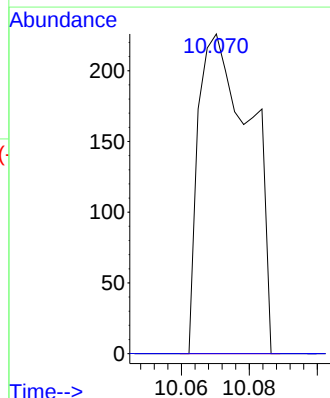
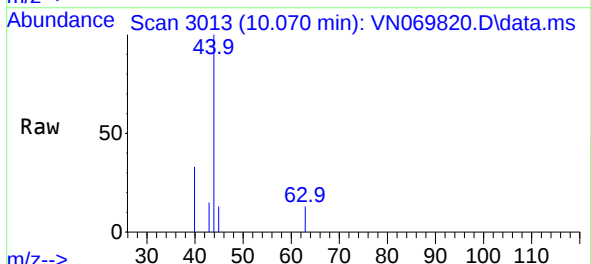
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205

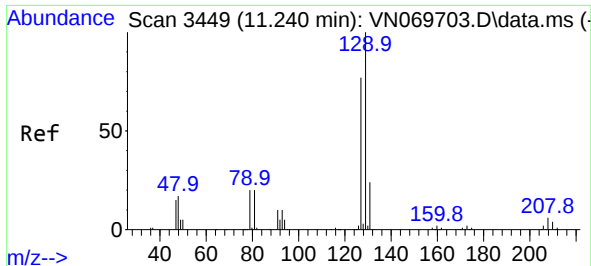
Tgt Ion: 69 Resp: 91
Ion Ratio Lower Upper
69 100
41 396.7 51.4 77.0#
39 287.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.41 ug/l
RT: 10.070 min Scan# 3013
Delta R.T. 0.027 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 63 Resp: 240
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

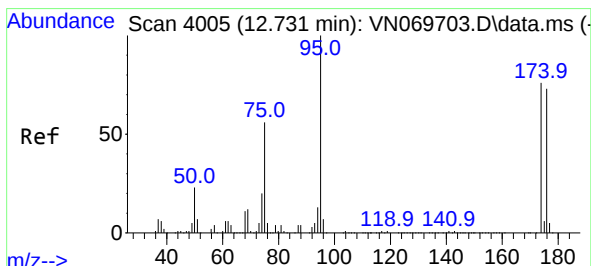
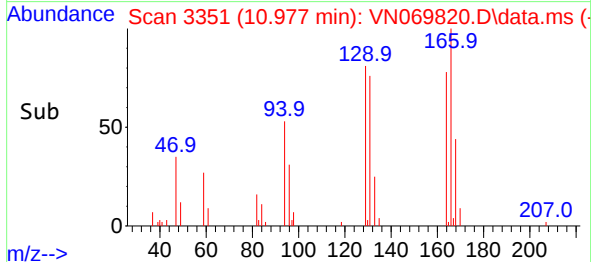
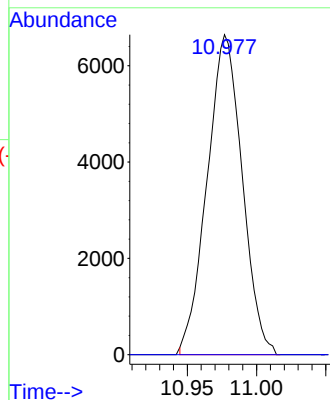
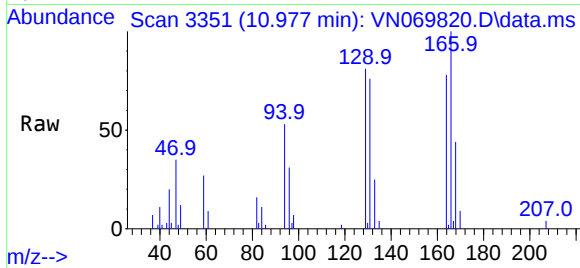




#60
Dibromochloromethane
Concen: 2.99 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

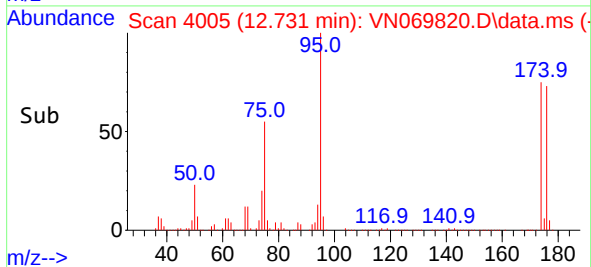
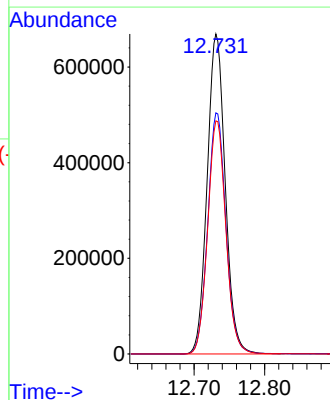
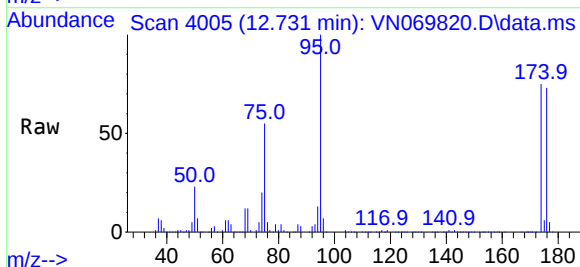
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205

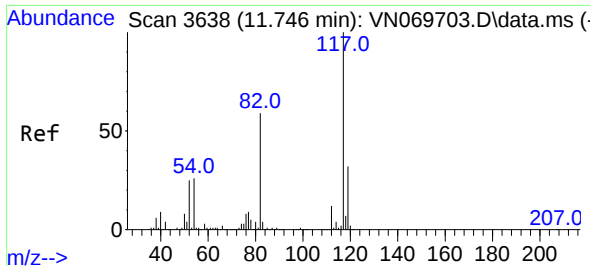
Tgt Ion:129 Resp: 11695
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.50 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

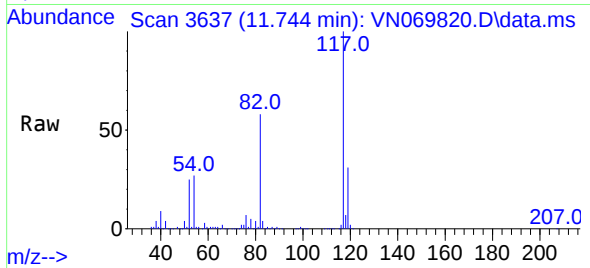
Tgt Ion: 95 Resp: 1189259
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.4 0.0 181.4





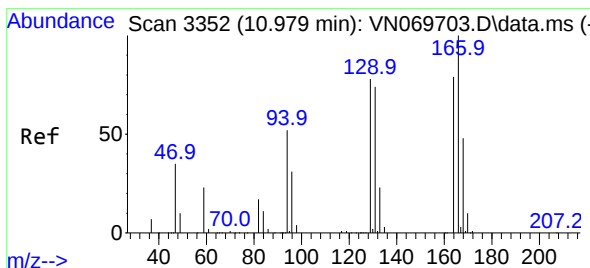
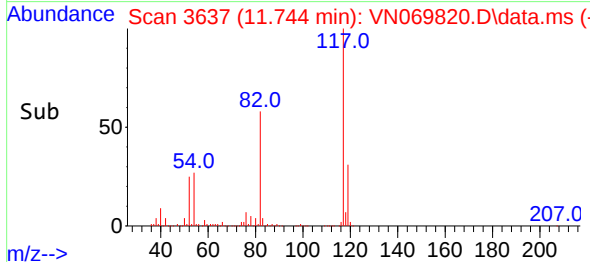
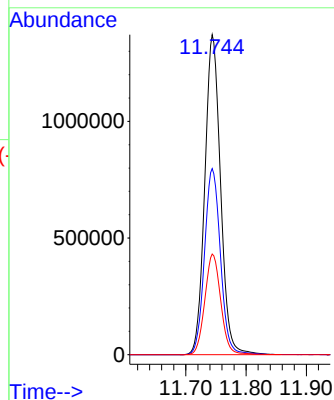
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205



Tgt Ion:117 Resp: 2490340

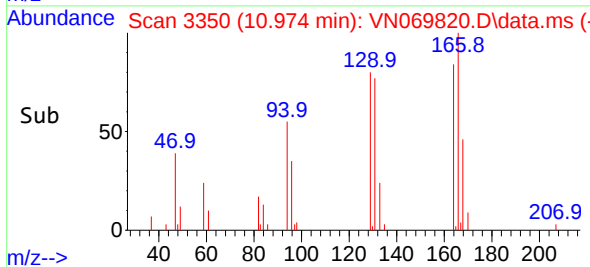
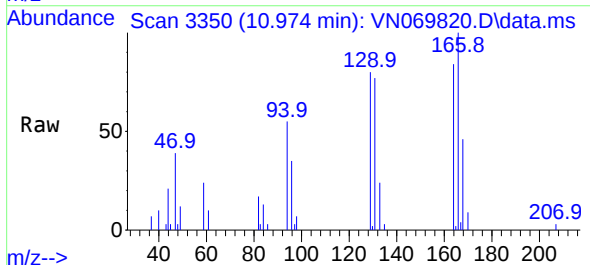
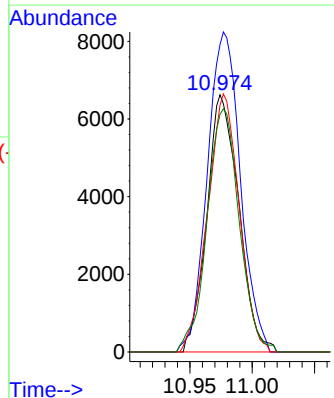
Ion	Ratio	Lower	Upper
117	100		
82	58.2	42.4	63.6
119	31.4	25.4	38.2

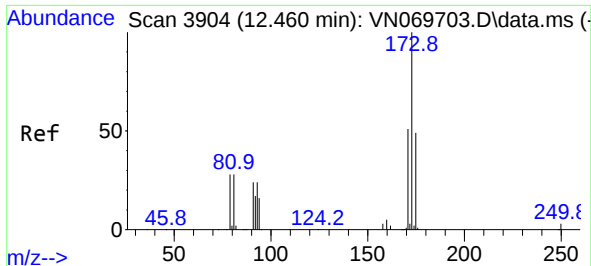


#64
Tetrachloroethene
Concen: 0.70 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.005 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion:164 Resp: 11772

Ion	Ratio	Lower	Upper
164	100		
166	119.7	101.9	152.9
129	96.1	72.0	108.0
131	92.4	70.9	106.3

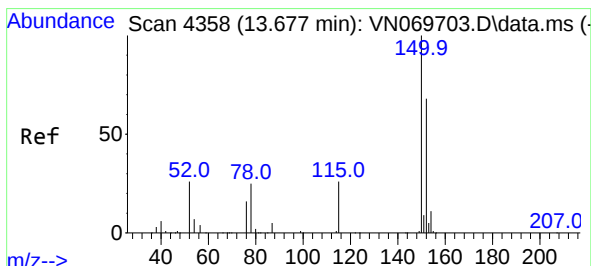
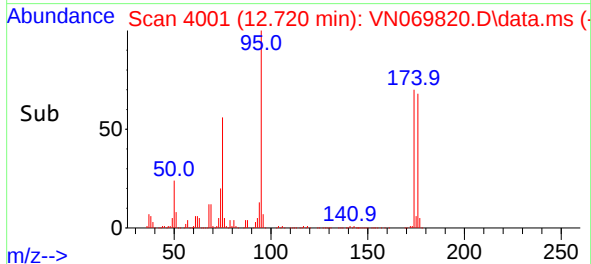
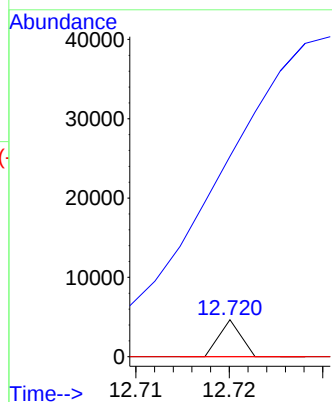
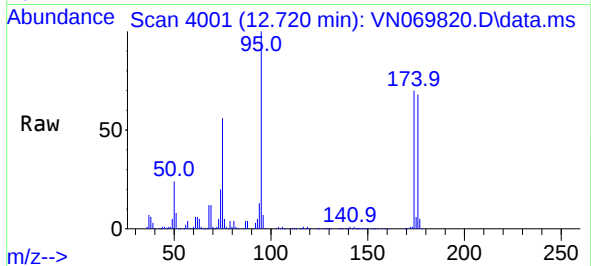




#71
Bromoform
Concen: 2.78 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

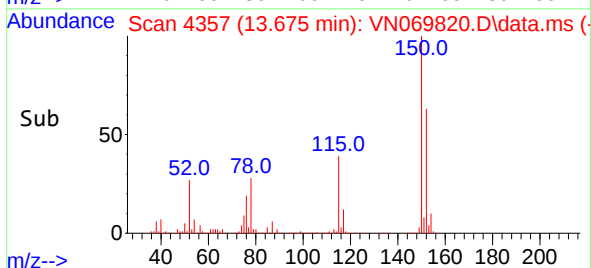
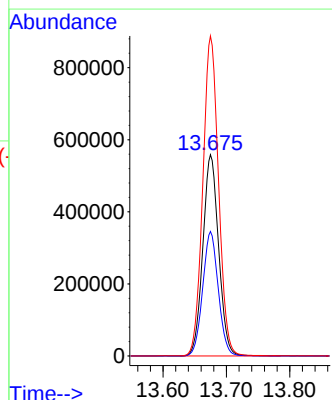
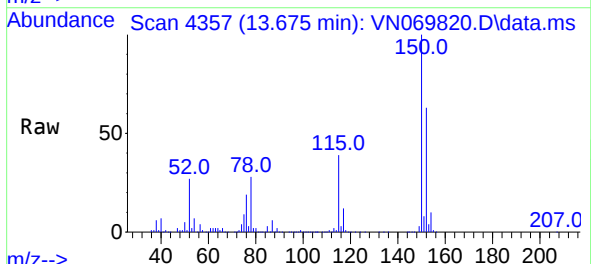
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205

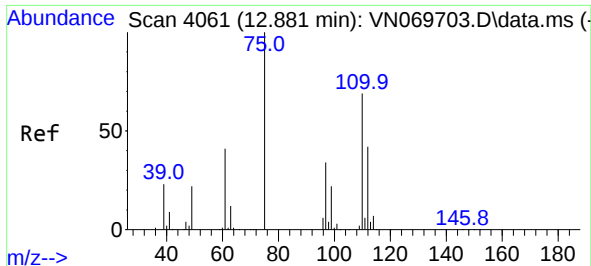
Tgt Ion:173 Resp: 748
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion:152 Resp: 964452
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 158.2 0.0 344.4

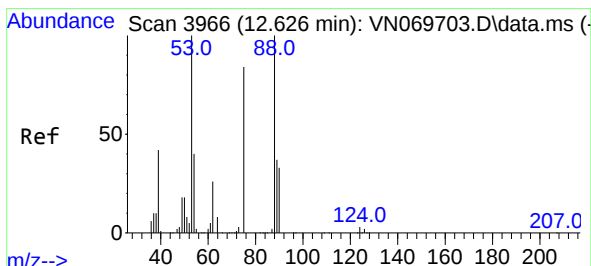
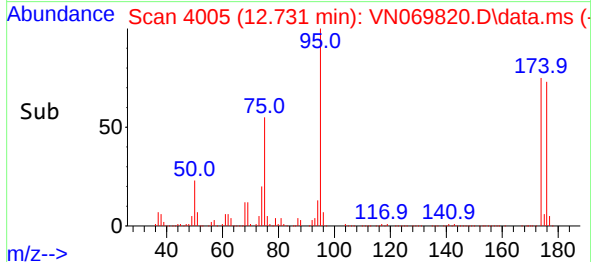
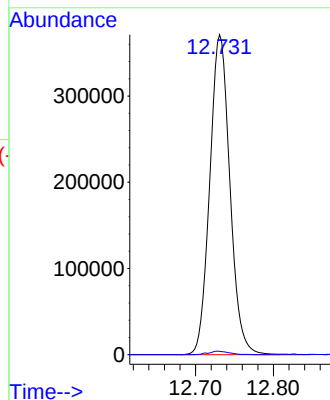
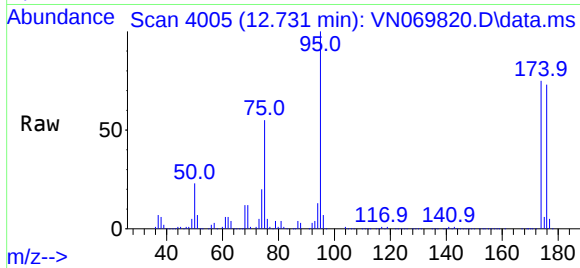




#76
1,2,3-Trichloropropane
Concen: 24.08 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

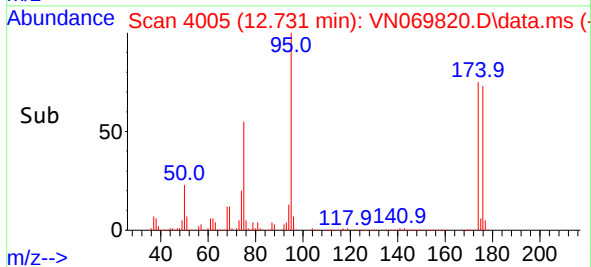
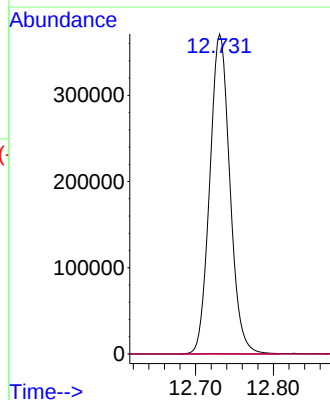
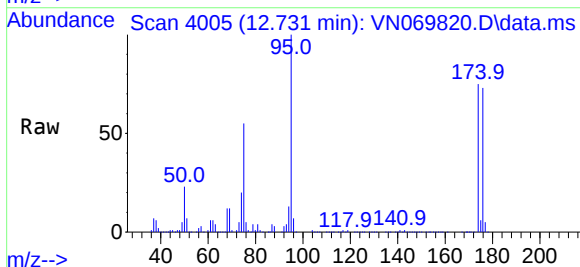
Instrument :
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ClientSampleId :
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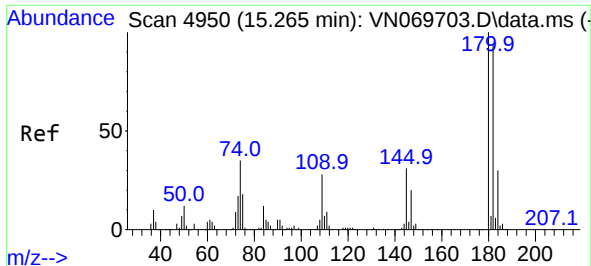
Tgt Ion: 75 Resp: 665898
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.46 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion: 75 Resp: 665898
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

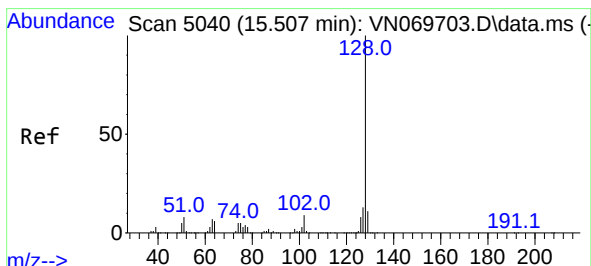
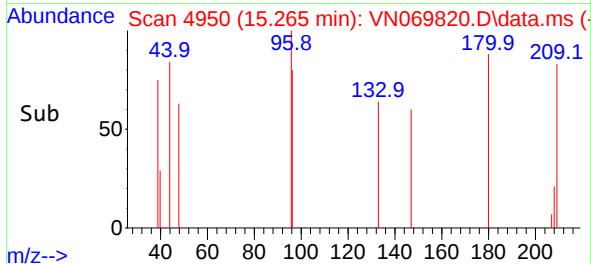
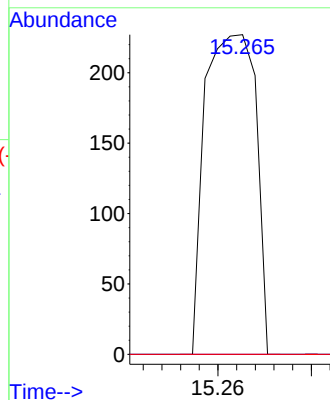
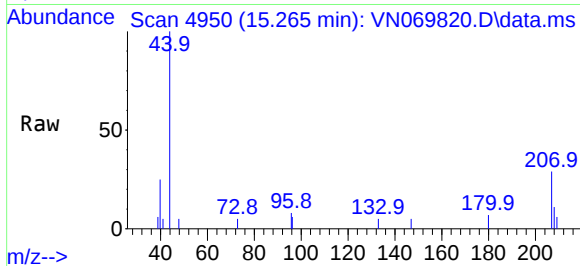




#93
1,2,4-Trichlorobenzene
Concen: 2.89 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

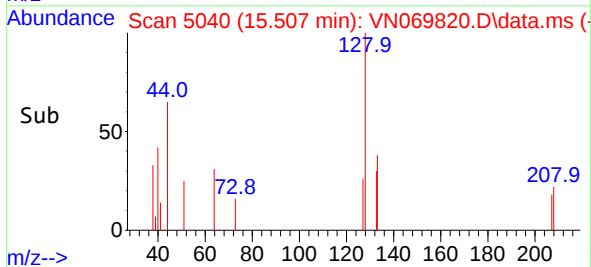
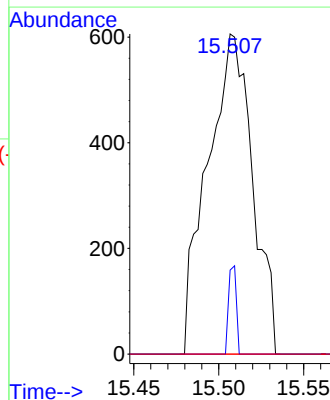
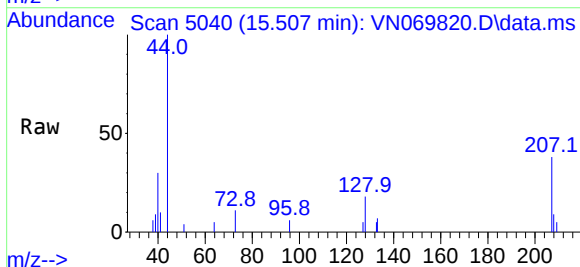
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20211205

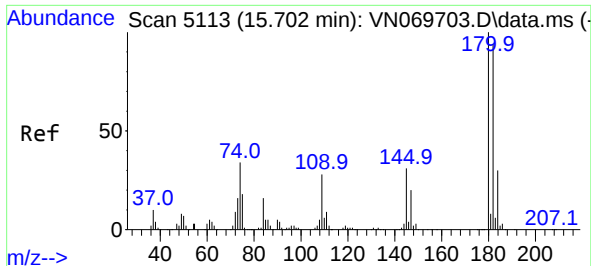
Tgt Ion:180 Resp: 171
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.01 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069820.D
Acq: 7 Dec 2021 17:32

Tgt Ion:128 Resp: 1115
Ion Ratio Lower Upper
128 100
127 4.7 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.44 ug/l

RT: 15.697 min Scan# 51

Delta R.T. -0.005 min

Lab File: VN069820.D

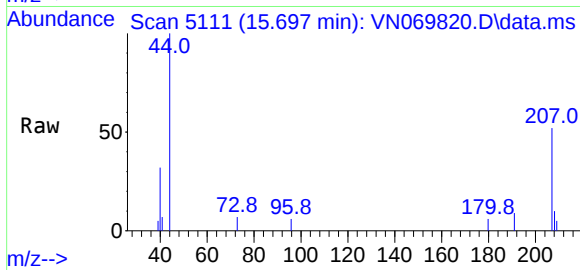
Acq: 7 Dec 2021 17:32

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20211205



Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.0 45.1#

