

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074784.D
 Acq On : 06 Oct 2022 15:27
 Operator : JC\MD
 Sample : N4910-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Oct 06 19:04:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

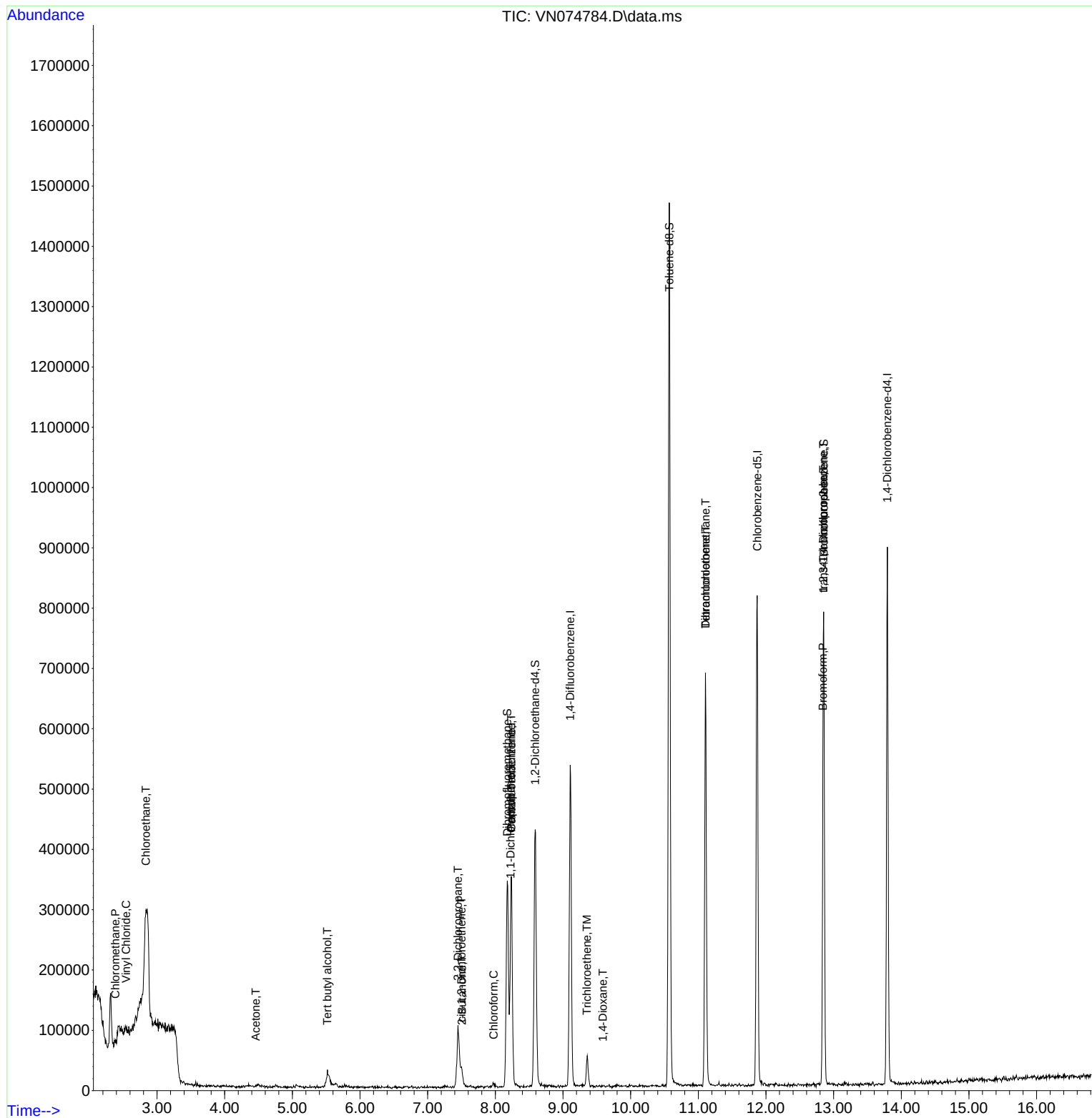
Internal Standards						
1) Pentafluorobenzene	8.235	168	242666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	456120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	461458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	215181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	314175	54.641	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 109.280%		
35) Dibromofluoromethane	8.177	113	245460	53.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 106.520%		
50) Toluene-d8	10.570	98	1012302	51.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 102.380%		
62) 4-Bromofluorobenzene	12.853	95	254630	42.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 84.720%		
Target Compounds						Qvalue
3) Chloromethane	2.383	50	2079	0.281	ug/l #	82
4) Vinyl Chloride	2.542	62	2086	0.228	ug/l #	72
6) Chloroethane	2.836	64	257632	37.999	ug/l #	51
11) Tert butyl alcohol	5.518	59	17953	9.323	ug/l #	78
13) Acrolein	4.206	56	244	Below Cal	#	1
16) Acetone	4.459	43	1972	0.605	ug/l #	87
20) Methylene Chloride	5.300	84	507	Below Cal	#	31
25) 2-Butanone	7.506	43	2599	0.439	ug/l	91
26) 2,2-Dichloropropane	7.447	77	7161	0.819	ug/l #	54
27) cis-1,2-Dichloroethene	7.500	96	13549	2.259	ug/l	90
30) Chloroform	7.977	83	4735	0.488	ug/l #	80
36) 1,1-Dichloropropene	8.224	75	23260	3.118	ug/l #	43
38) Carbon Tetrachloride	8.235	117	29620	4.211	ug/l #	19
44) Trichloroethene	9.353	130	14668	2.917	ug/l	93
49) 1,4-Dioxane	9.588	88	54	0.328	ug/l #	1
60) Dibromochloromethane	11.106	129	135153	23.521	ug/l #	10
64) Tetrachloroethene	11.106	164	137390	36.676	ug/l	95
71) Bromoform	12.841	173	2871	0.729	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.912	83	104	Below Cal	#	89
76) 1,2,3-Trichloropropane	12.847	75	150240	23.393	ug/l #	1
77) Bromobenzene	12.870	156	115	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	150240	45.577	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.864	180	92	Below Cal	#	12

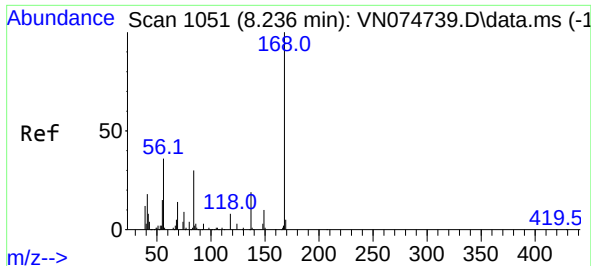
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

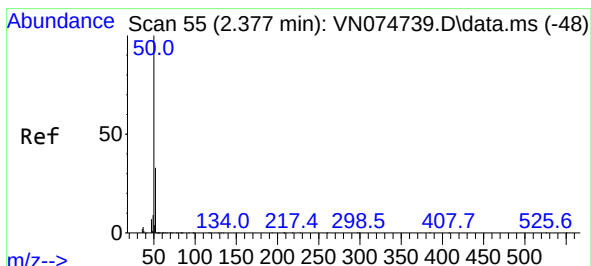
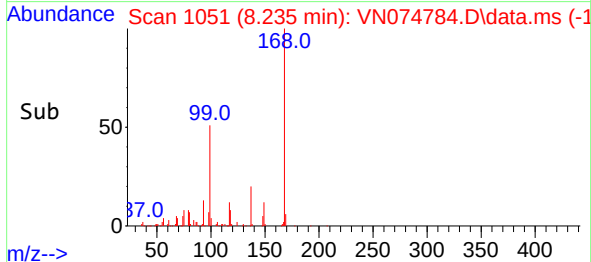
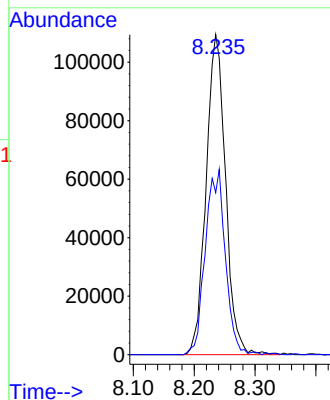
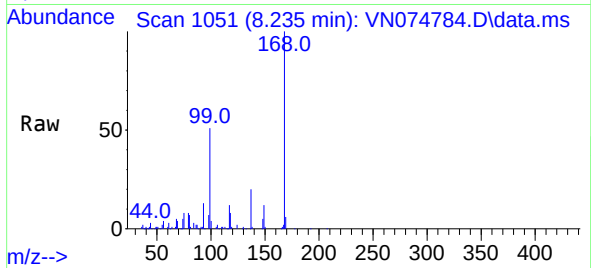




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

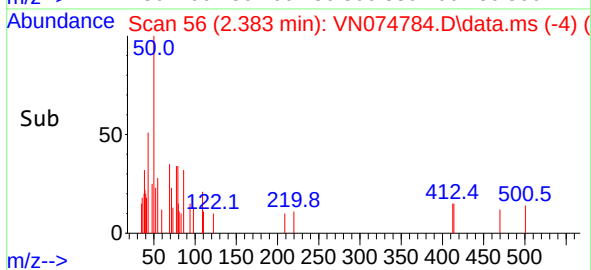
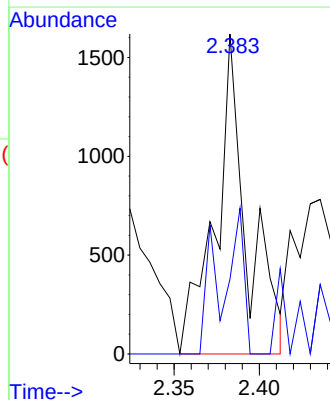
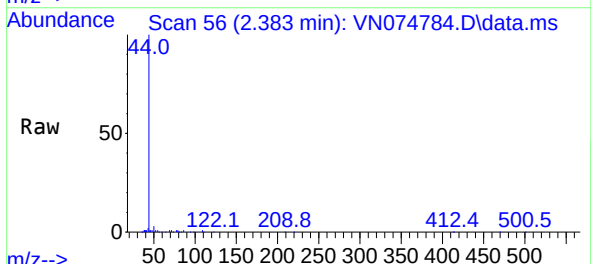
Instrument :
MSVOA_N
ClientSampleId :
MW-5

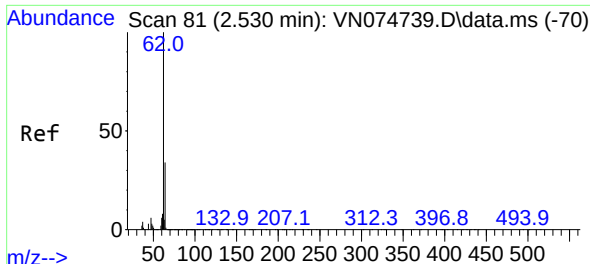
Tgt Ion:168 Resp: 242666
Ion Ratio Lower Upper
168 100
99 50.6 42.8 64.2



#3
Chloromethane
Concen: 0.281 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 50 Resp: 2079
Ion Ratio Lower Upper
50 100
52 23.3 26.7 40.1#

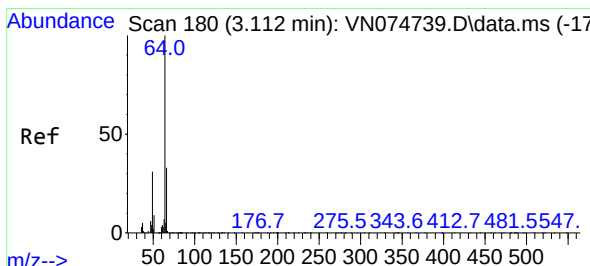
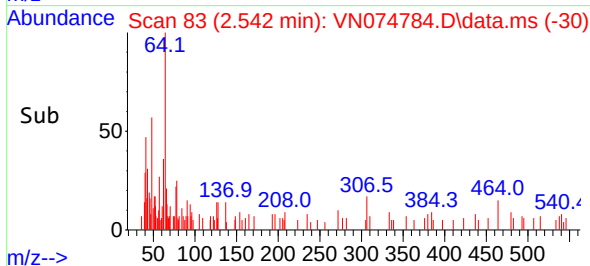
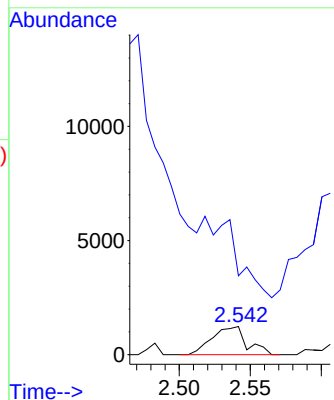
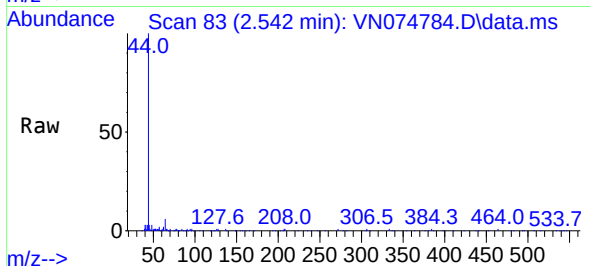




#4
 Vinyl Chloride
 Concen: 0.228 ug/l
 RT: 2.542 min Scan# 81
 Delta R.T. 0.011 min
 Lab File: VN074784.D
 Acq: 06 Oct 2022 15:27

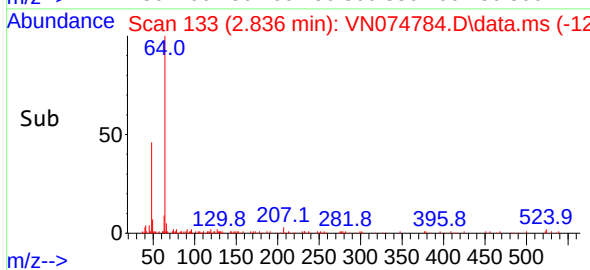
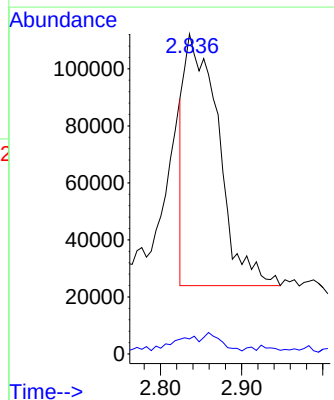
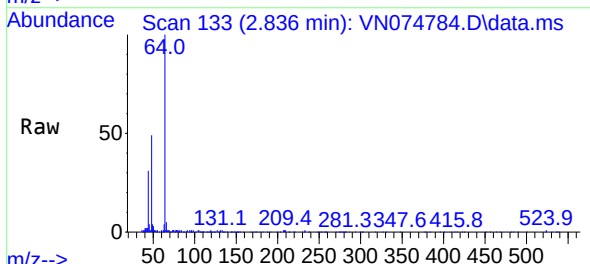
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

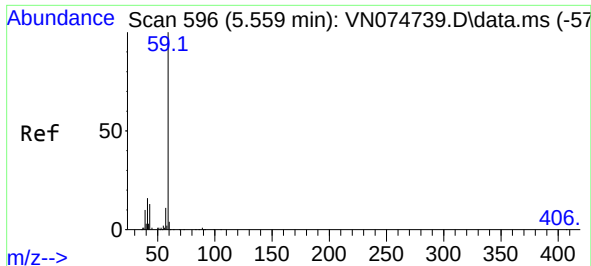
Tgt Ion: 62 Resp: 2086
 Ion Ratio Lower Upper
 62 100
 64 50.4 27.4 41.2#



#6
 Chloroethane
 Concen: 37.999 ug/l
 RT: 2.836 min Scan# 133
 Delta R.T. -0.277 min
 Lab File: VN074784.D
 Acq: 06 Oct 2022 15:27

Tgt Ion: 64 Resp: 257632
 Ion Ratio Lower Upper
 64 100
 66 4.5 25.1 37.7#

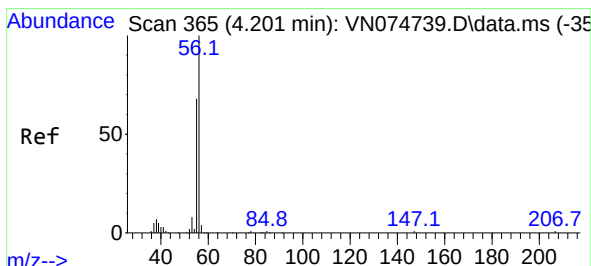
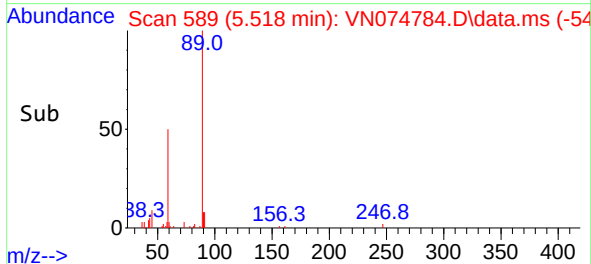
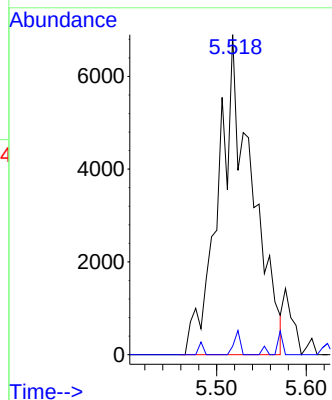
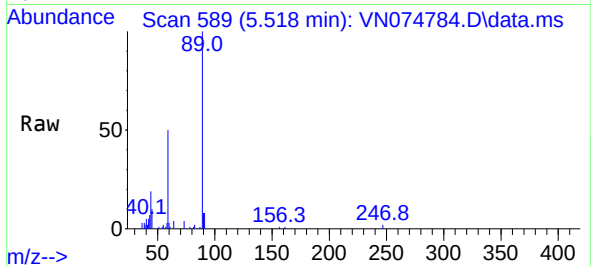




#11
Tert butyl alcohol
Concen: 9.323 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

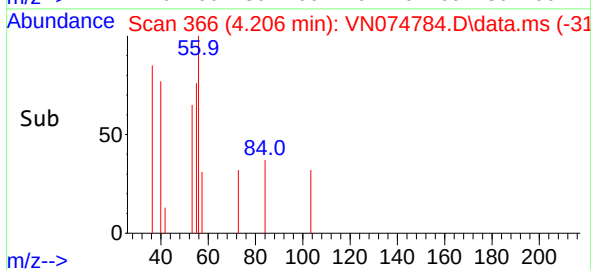
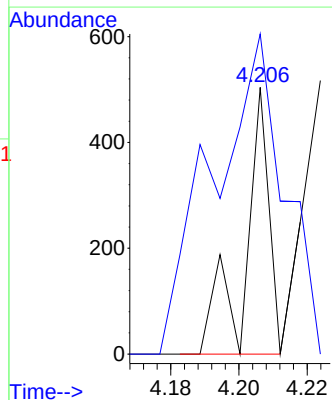
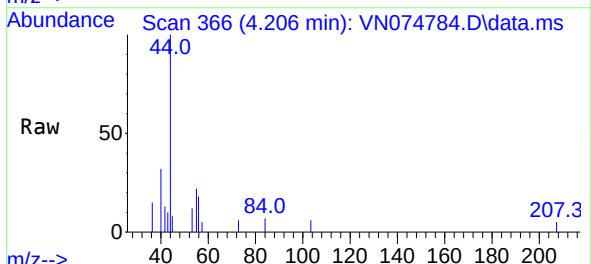
Instrument :
MSVOA_N
ClientSampleId :
MW-5

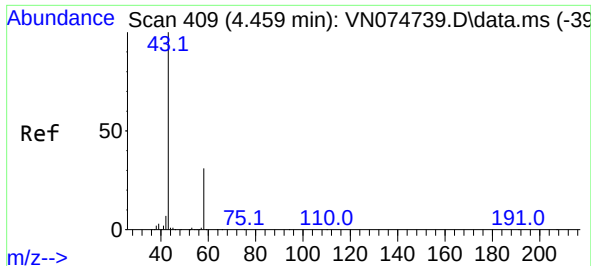
Tgt Ion: 59 Resp: 17953
Ion Ratio Lower Upper
59 100
57 1.4 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 366
Delta R.T. 0.005 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 359.8 54.9 82.3#

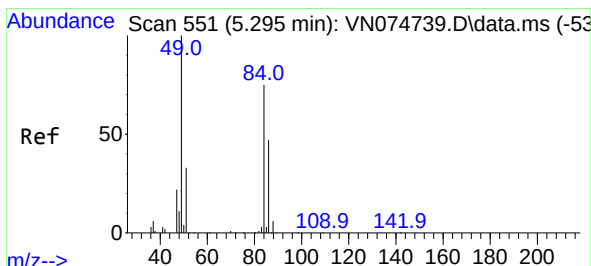
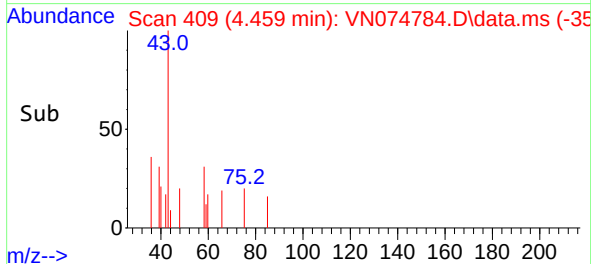
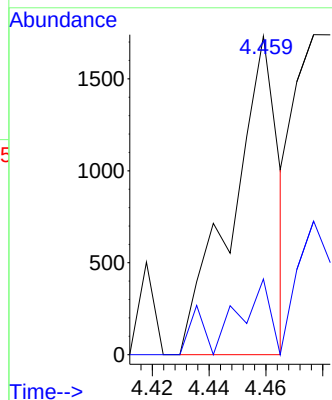
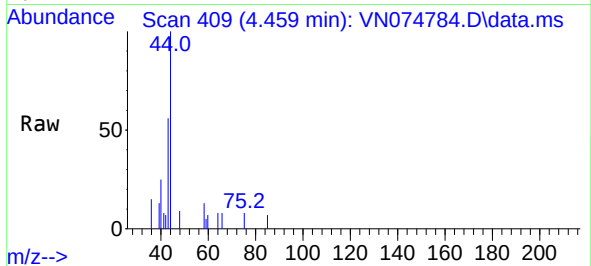




#16
Acetone
Concen: 0.605 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

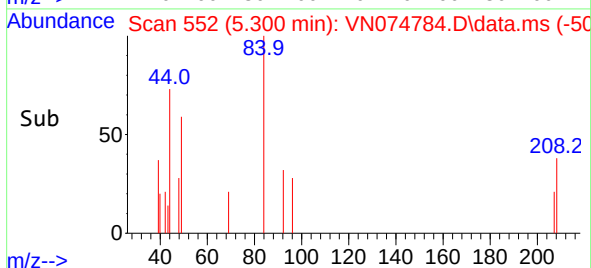
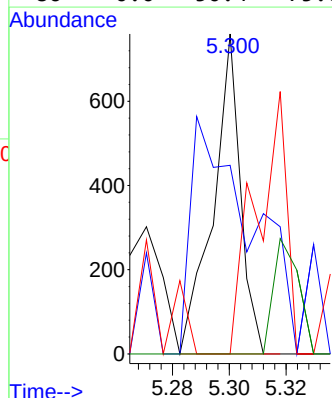
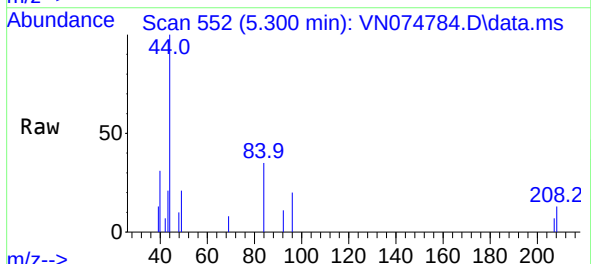
Instrument :
MSVOA_N
ClientSampleId :
MW-5

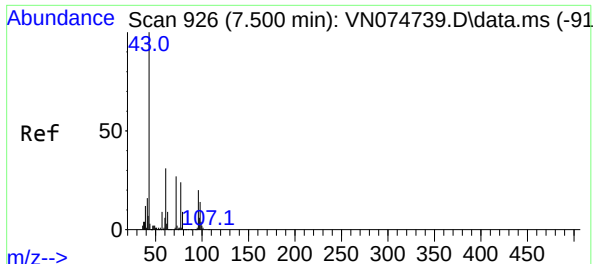
Tgt Ion: 43 Resp: 1972
Ion Ratio Lower Upper
43 100
58 23.8 24.9 37.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 84 Resp: 507
Ion Ratio Lower Upper
84 100
49 58.9 107.4 161.0#
51 0.0 35.1 52.7#
86 0.0 50.4 75.6#

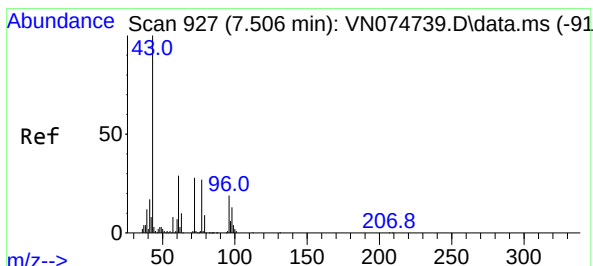
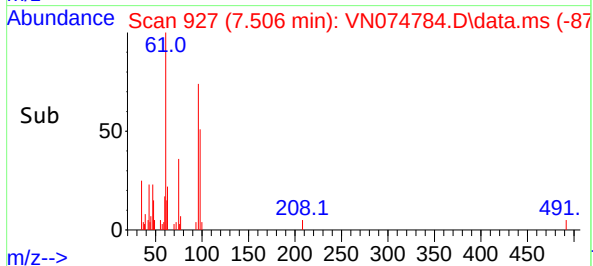
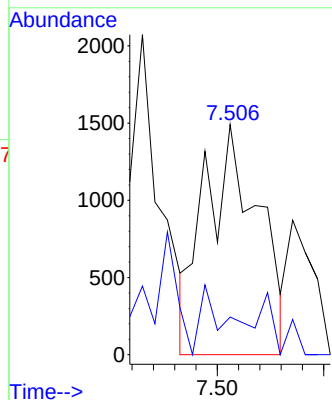
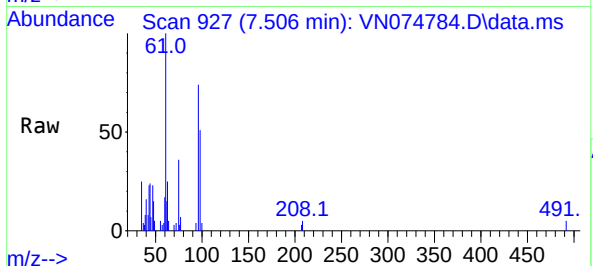




#25
2-Butanone
Concen: 0.439 ug/l
RT: 7.506 min Scan# 917
Delta R.T. 0.006 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

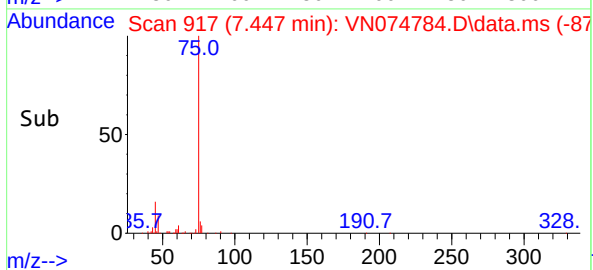
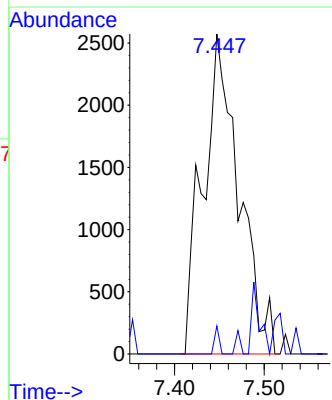
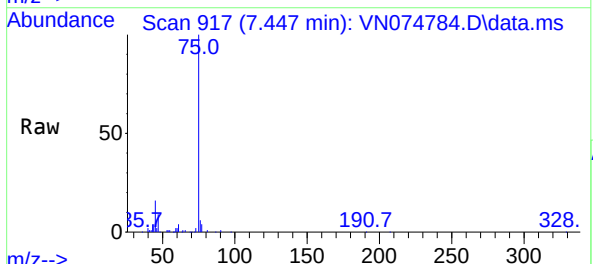
Instrument :
MSVOA_N
ClientSampleId :
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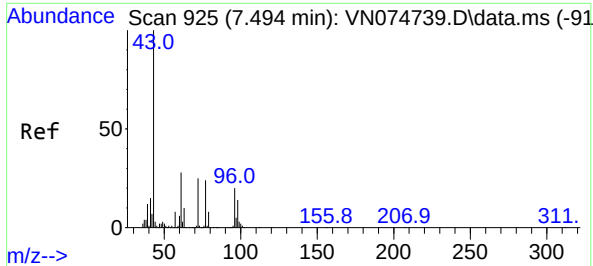
Tgt Ion: 43 Resp: 2599
Ion Ratio Lower Upper
43 100
72 22.2 21.4 32.0



#26
2,2-Dichloropropane
Concen: 0.819 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.059 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 77 Resp: 7161
Ion Ratio Lower Upper
77 100
97 1.1 11.8 35.3#

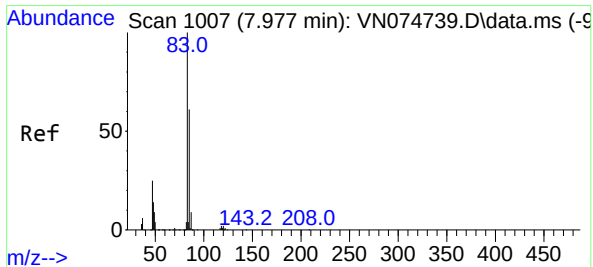
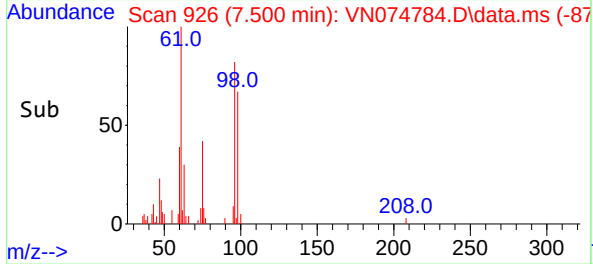
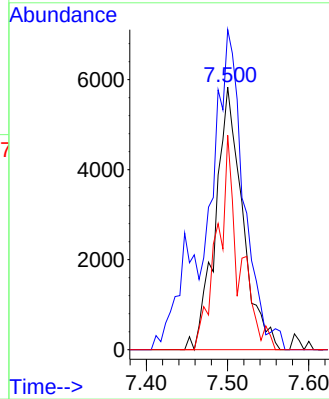
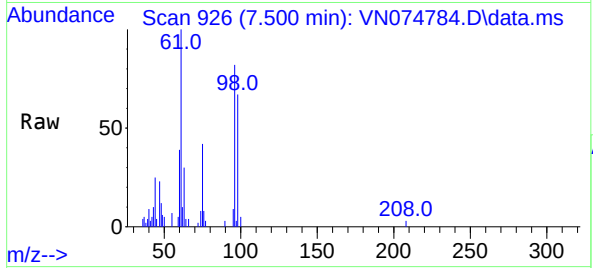




#27
 cis-1,2-Dichloroethene
 Concen: 2.259 ug/l
 RT: 7.500 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN074784.D
 Acq: 06 Oct 2022 15:27

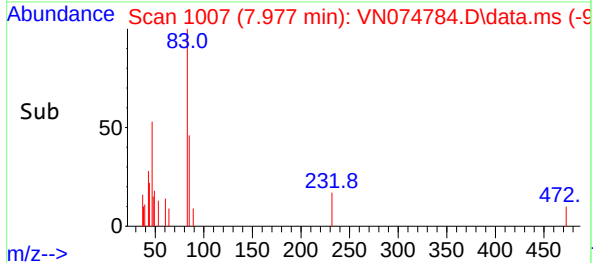
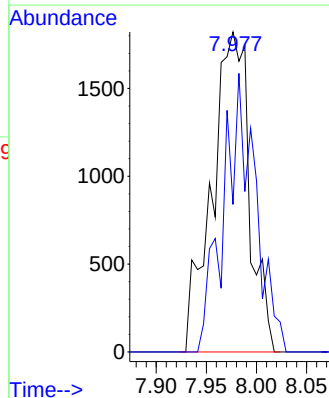
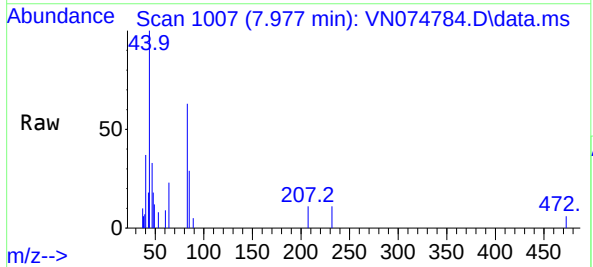
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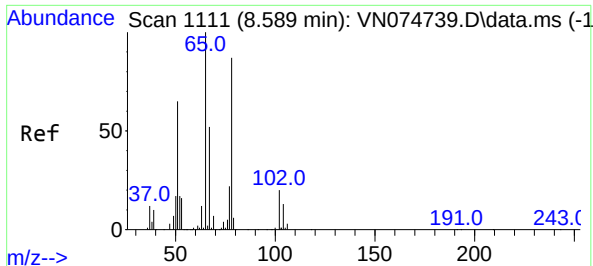
Tgt Ion: 96	Resp: 13549
Ion Ratio	Lower Upper
96 100	
61 133.9	0.0 303.2
98 67.0	0.0 131.0



#30
 Chloroform
 Concen: 0.488 ug/l
 RT: 7.977 min Scan# 1007
 Delta R.T. -0.000 min
 Lab File: VN074784.D
 Acq: 06 Oct 2022 15:27

Tgt Ion: 83	Resp: 4735
Ion Ratio	Lower Upper
83 100	
85 46.1	49.0 73.4#





#33

1,2-Dichloroethane-d4

Concen: 54.641 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074784.D

Acq: 06 Oct 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

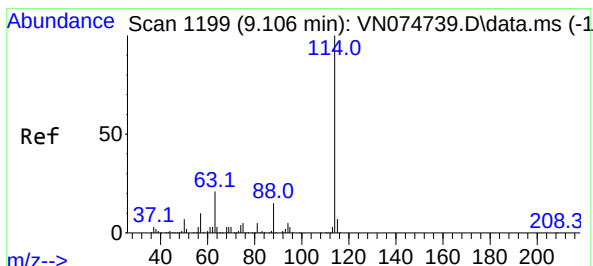
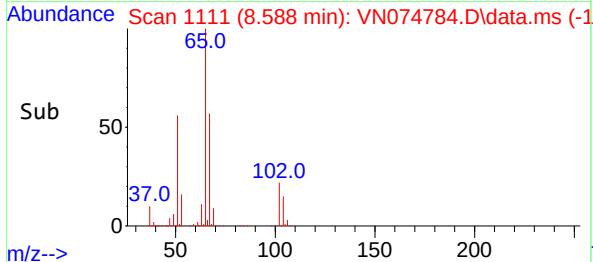
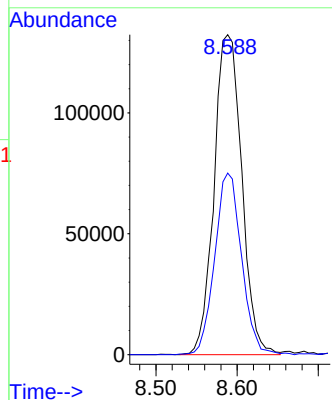
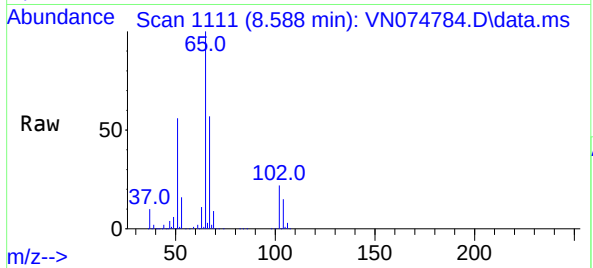
MW-5

Tgt Ion: 65 Resp: 314175

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074784.D

Acq: 06 Oct 2022 15:27

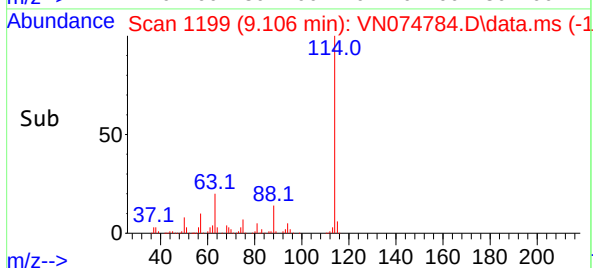
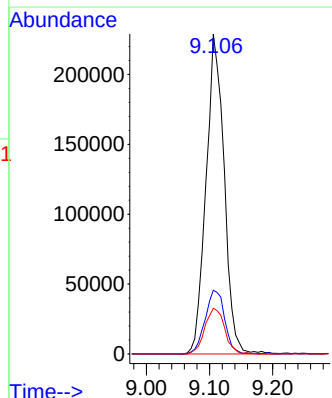
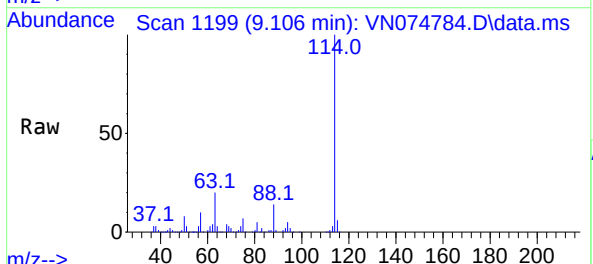
Tgt Ion: 114 Resp: 456120

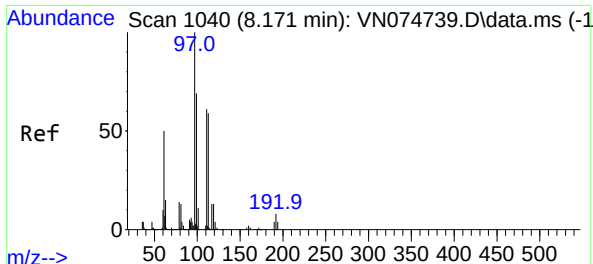
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.2

88 14.3 0.0 30.2

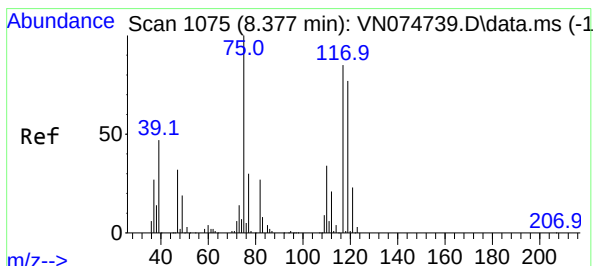
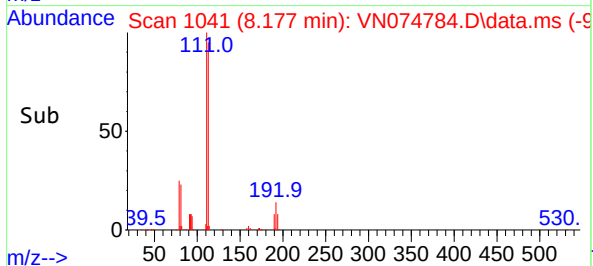
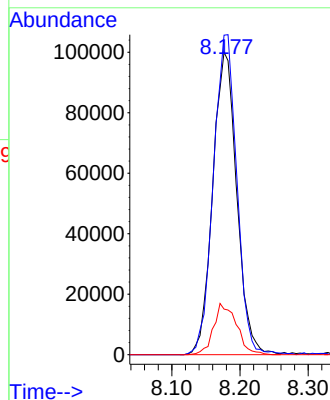
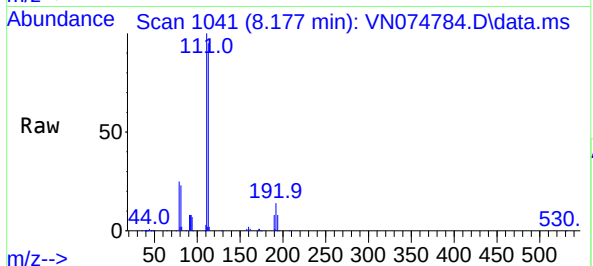




#35
Dibromofluoromethane
Concen: 53.263 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

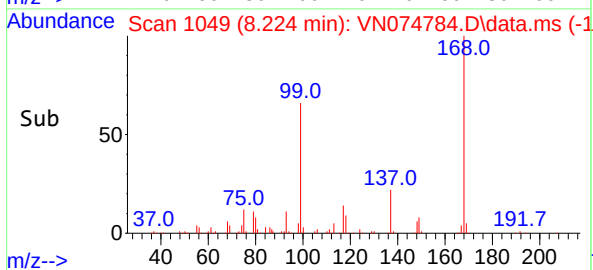
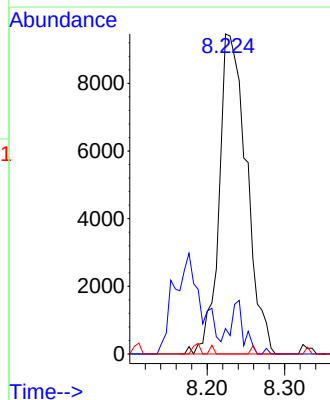
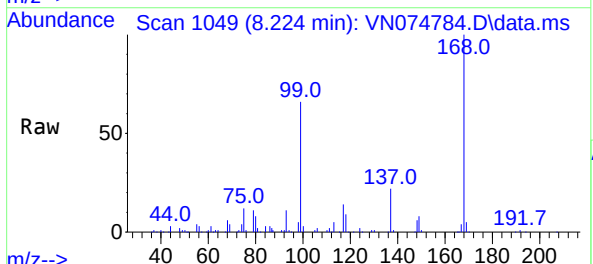
Instrument :
MSVOA_N
ClientSampleId :
MW-5

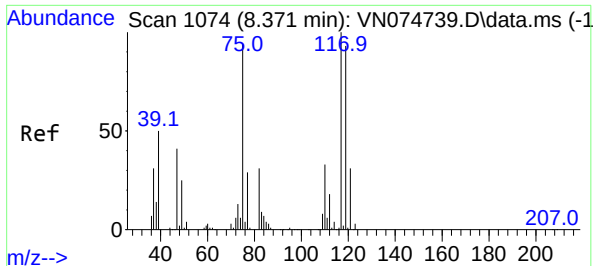
Tgt Ion:113 Resp: 245460
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.6
192 16.2 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.118 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 75 Resp: 23260
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.4 24.3 36.5#

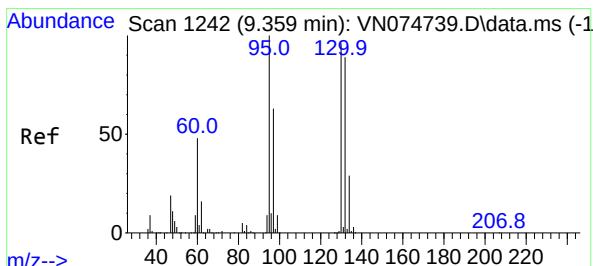
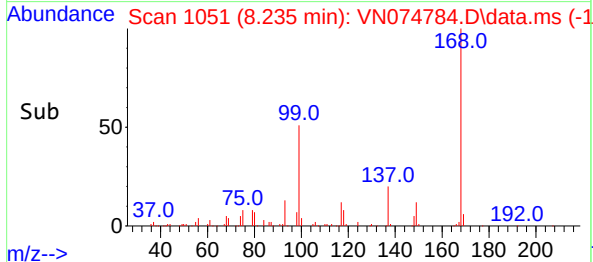
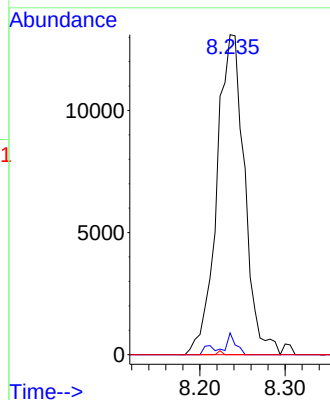
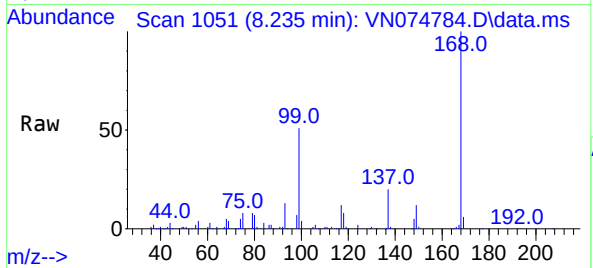




#38
Carbon Tetrachloride
Concen: 4.211 ug/l
RT: 8.235 min Scan# 1074
Delta R.T. -0.136 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

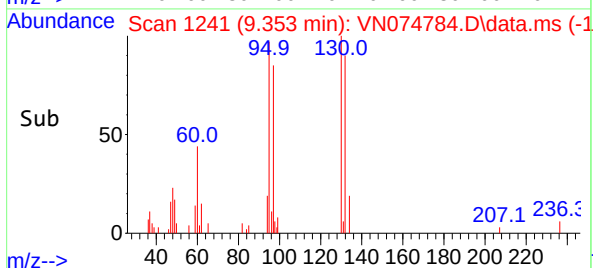
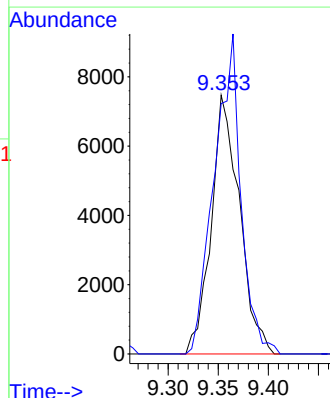
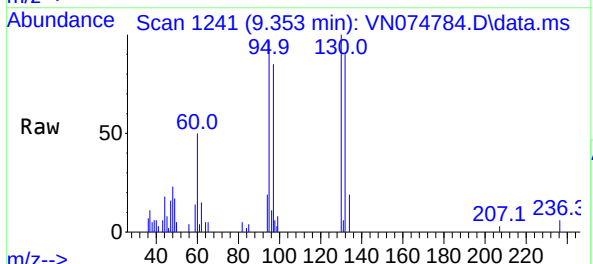
Instrument :
MSVOA_N
ClientSampleId :
MW-5

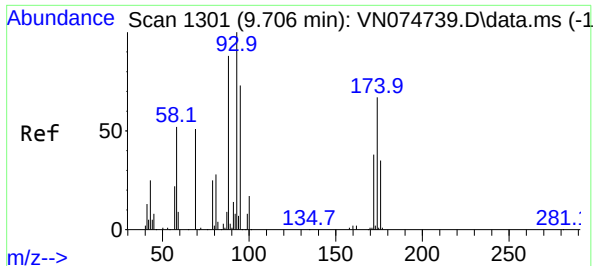
Tgt Ion:117 Resp: 29620
Ion Ratio Lower Upper
117 100
119 6.8 74.3 111.5#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 2.917 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.006 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion:130 Resp: 14668
Ion Ratio Lower Upper
130 100
95 96.8 0.0 207.6

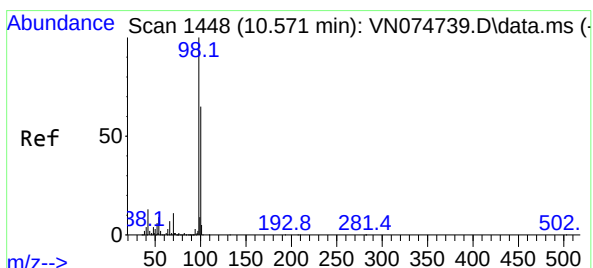
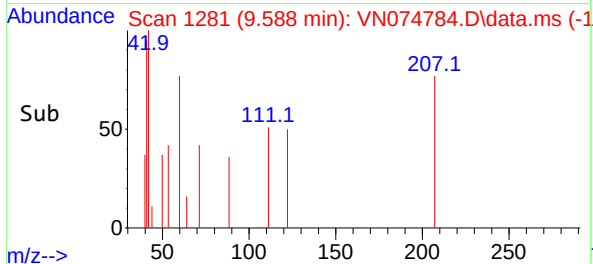
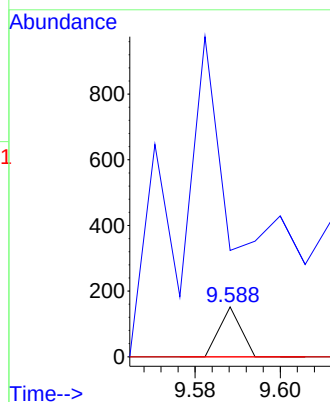
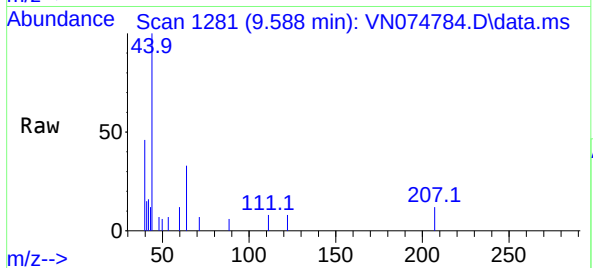




#49
1,4-Dioxane
Concen: 0.328 ug/l
RT: 9.588 min Scan# 11
Delta R.T. -0.118 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

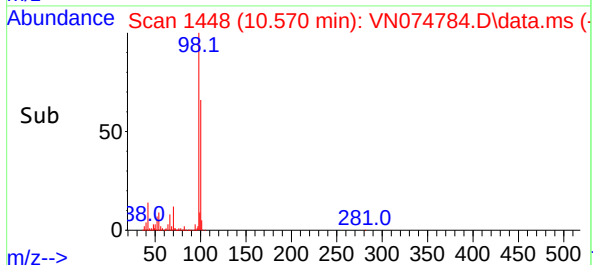
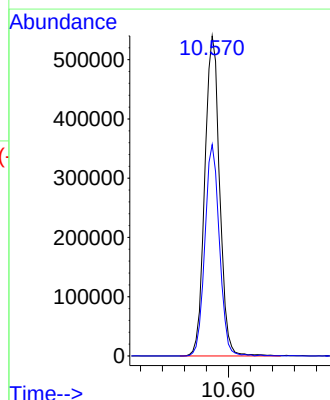
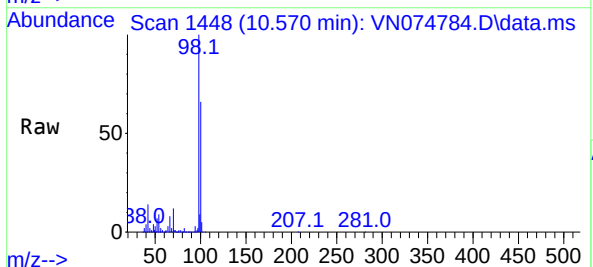
Instrument :
MSVOA_N
ClientSampleId :
MW-5

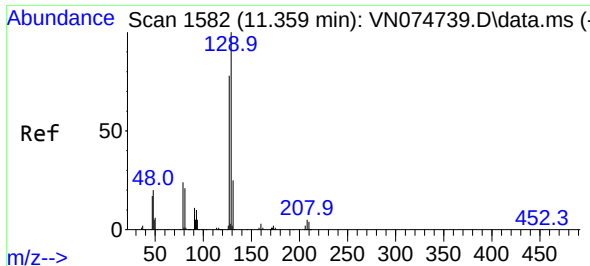
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 1622.2 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 98 Resp: 1012302
Ion Ratio Lower Upper
98 100
100 64.5 50.7 76.1

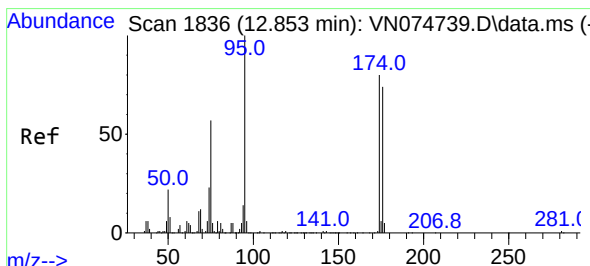
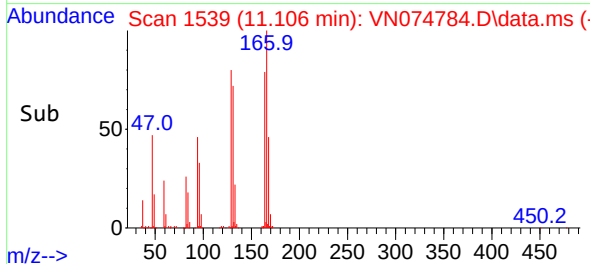
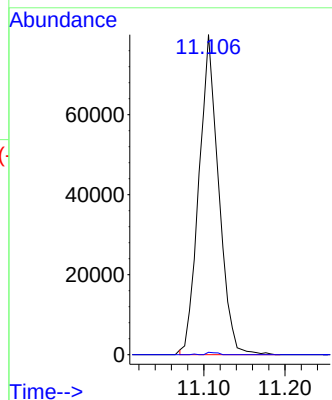
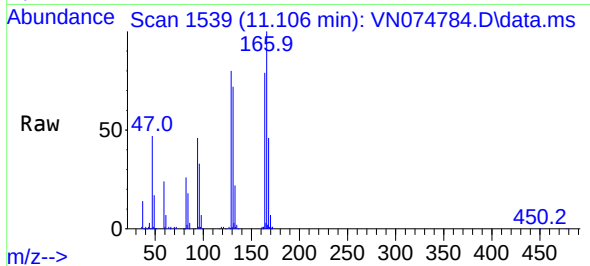




#60
Dibromochloromethane
Concen: 23.521 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

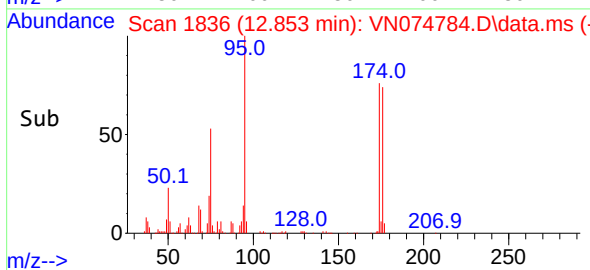
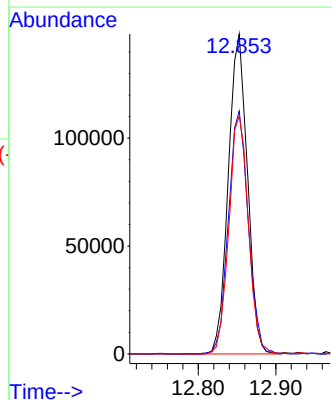
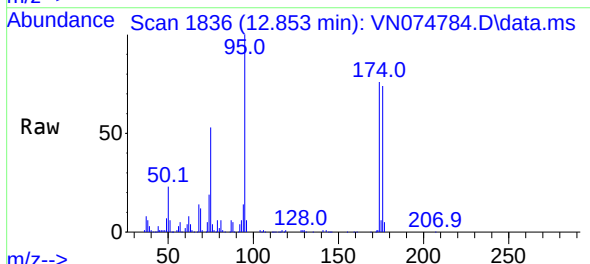
Instrument :
MSVOA_N
ClientSampleId :
MW-5

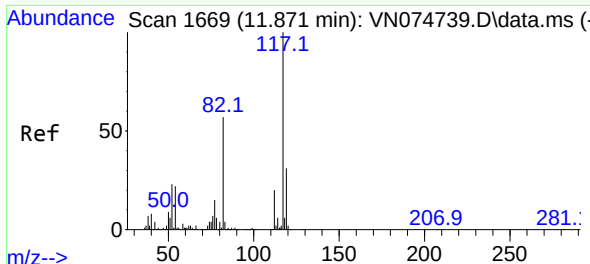
Tgt Ion:129 Resp: 135153
Ion Ratio Lower Upper
129 100
127 0.4 39.5 118.3#



#62
4-Bromofluorobenzene
Concen: 42.360 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 95 Resp: 254630
Ion Ratio Lower Upper
95 100
174 78.6 0.0 149.4
176 75.7 0.0 142.0

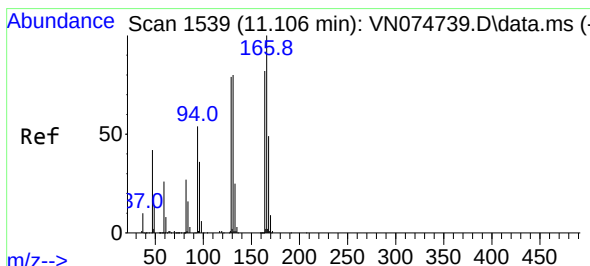
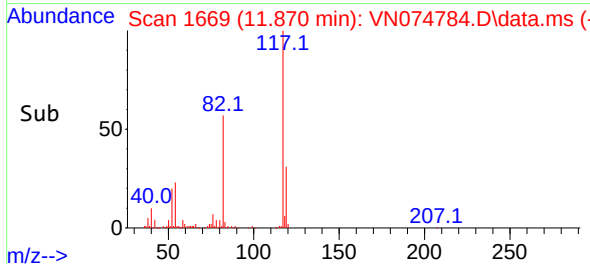
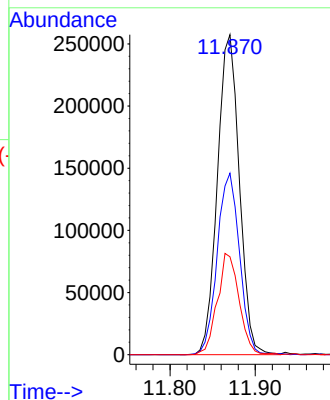
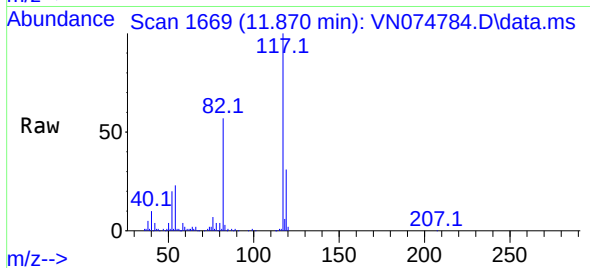




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

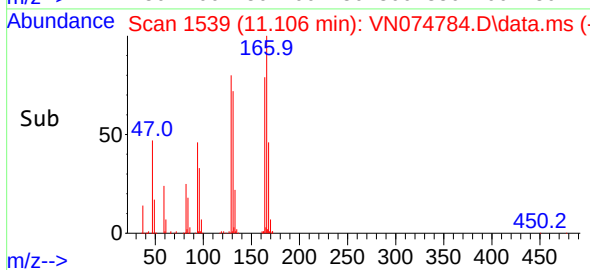
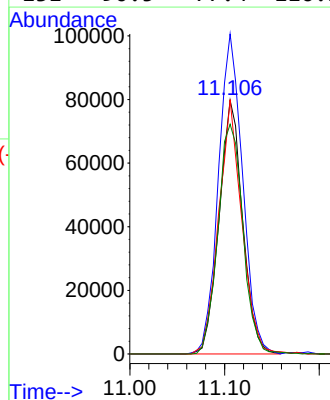
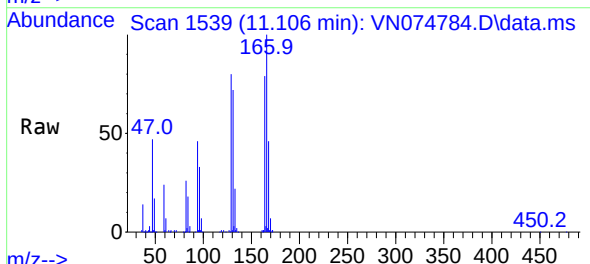
Instrument :
MSVOA_N
ClientSampleId :
MW-5

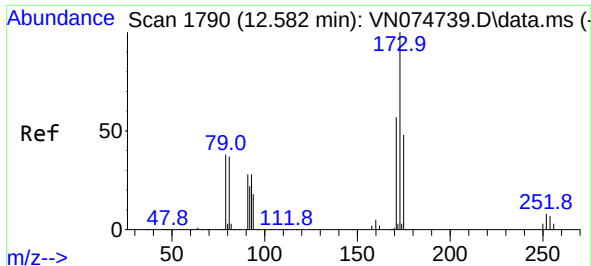
Tgt Ion:117 Resp: 461458
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 30.6 25.1 37.7



#64
Tetrachloroethene
Concen: 36.676 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion:164 Resp: 137390
Ion Ratio Lower Upper
164 100
166 126.1 97.0 145.6
129 100.2 77.0 115.6
131 90.5 77.4 116.2

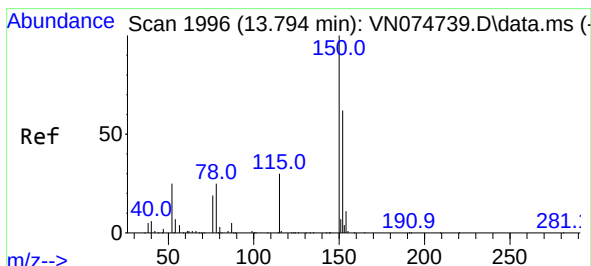
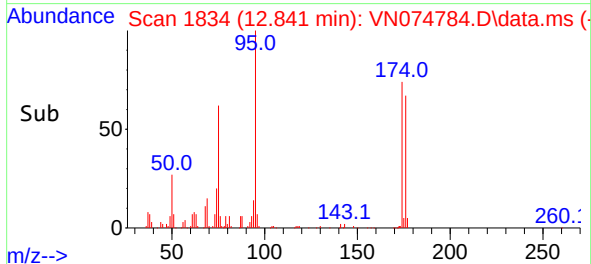
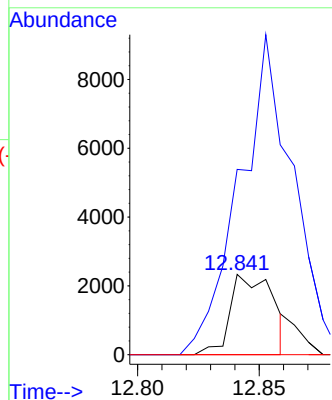
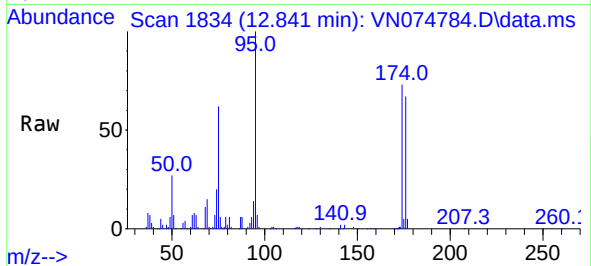




#71
Bromoform
Concen: 0.729 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

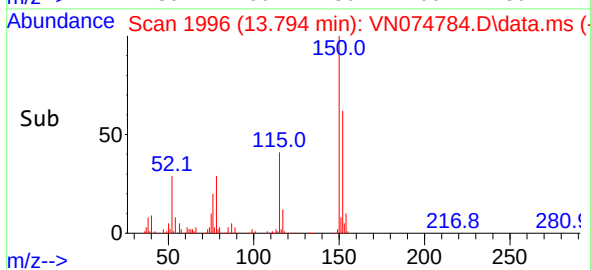
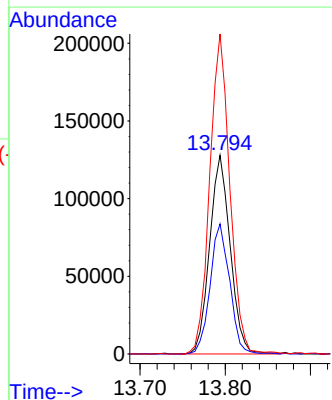
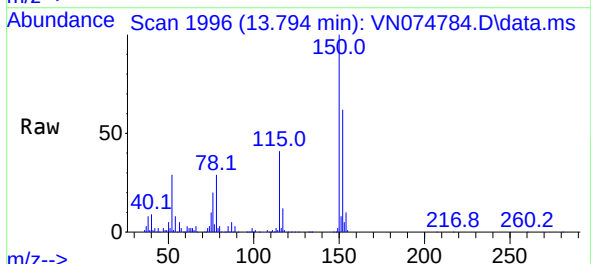
Instrument :
MSVOA_N
ClientSampleId :
MW-5

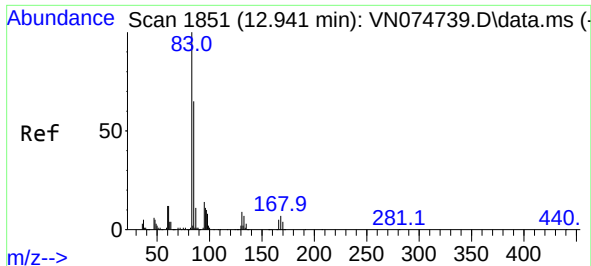
Tgt Ion:173 Resp: 2871
Ion Ratio Lower Upper
173 100
175 374.3 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion:152 Resp: 215181
Ion Ratio Lower Upper
152 100
115 62.2 30.0 90.0
150 157.1 0.0 356.4

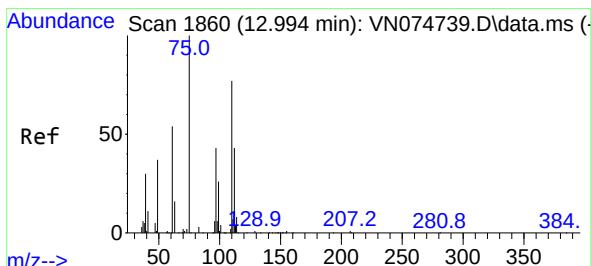
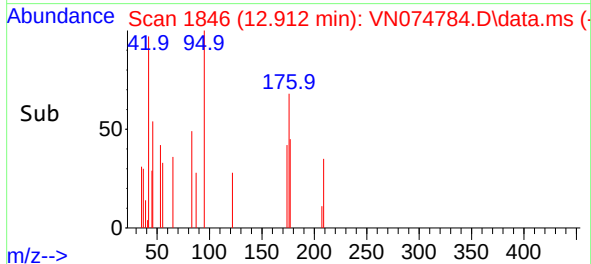
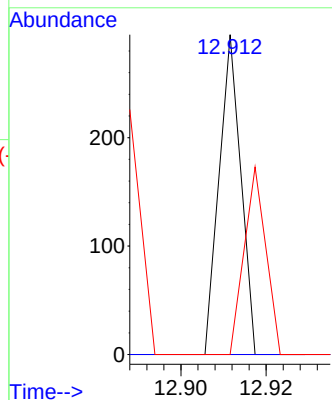
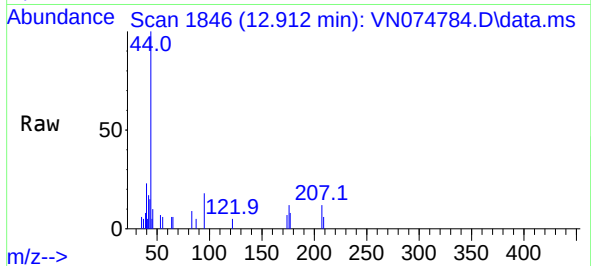




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.912 min Scan# 1846
Delta R.T. -0.029 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

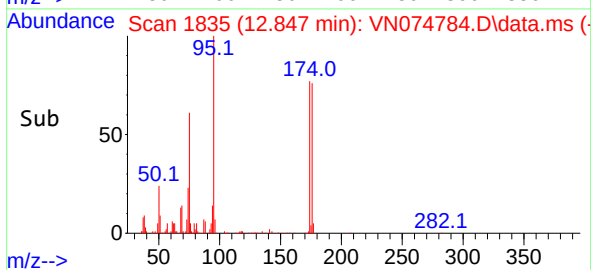
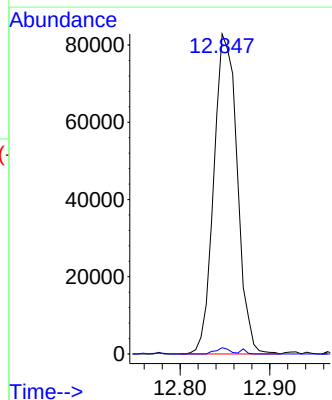
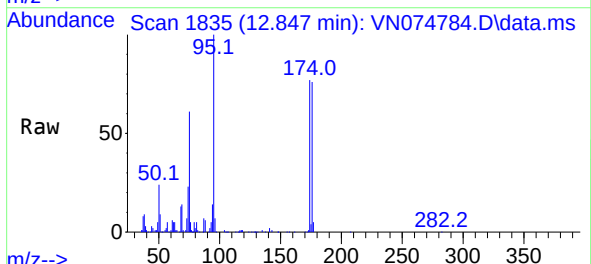
Instrument :
MSVOA_N
ClientSampleId :
MW-5

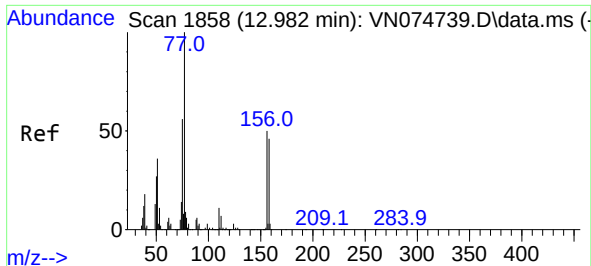
Tgt Ion: 83 Resp: 104
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 58.7 32.9 98.6



#76
1,2,3-Trichloropropane
Concen: 23.393 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 75 Resp: 150240
Ion Ratio Lower Upper
75 100
77 1.2 76.9 230.7#

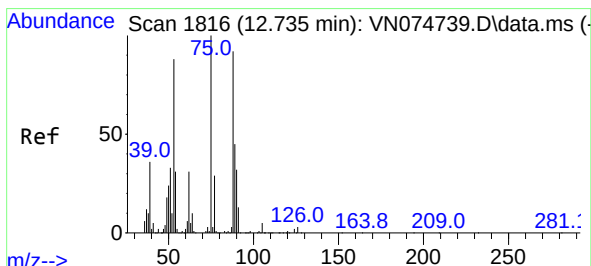
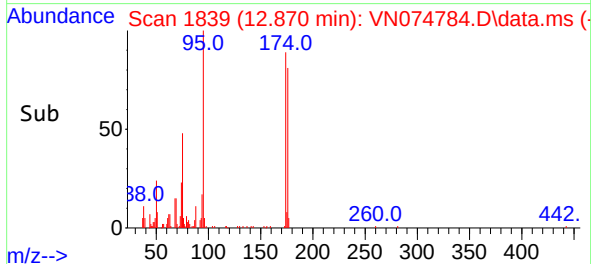
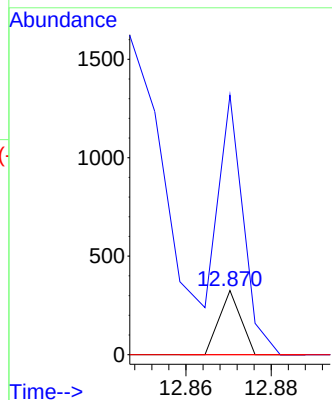
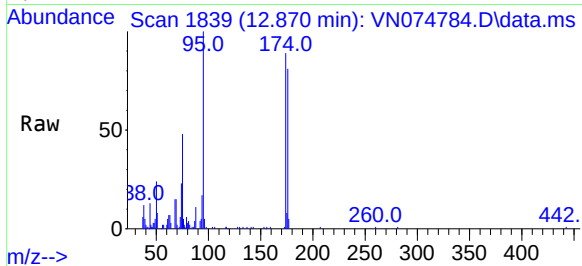




#77
Bromobenzene
Concen: Below Cal
RT: 12.870 min Scan# 1839
Delta R.T. -0.112 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

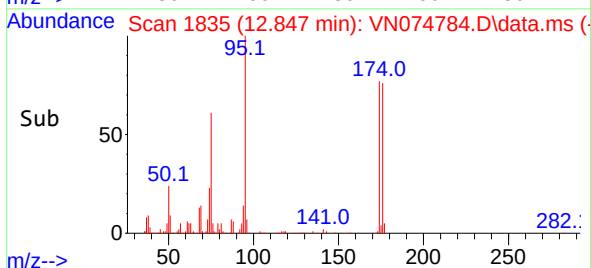
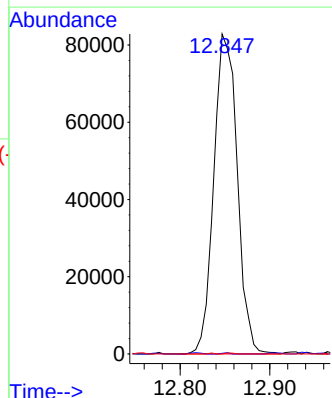
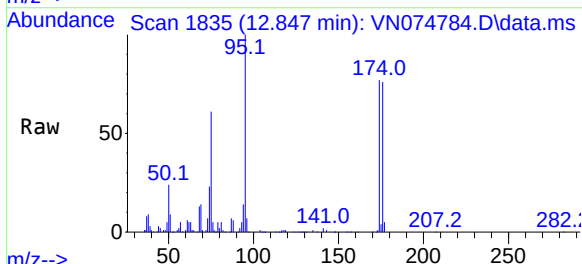
Instrument :
MSVOA_N
ClientSampleId :
MW-5

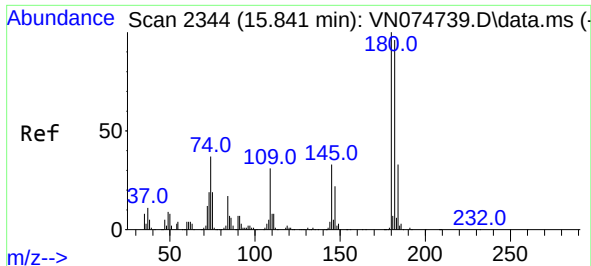
Tgt Ion:156 Resp: 115
Ion Ratio Lower Upper
156 100
77 453.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.577 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.111 min
Lab File: VN074784.D
Acq: 06 Oct 2022 15:27

Tgt Ion: 75 Resp: 150240
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.1 32.1 48.1#





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.864 min Scan# 21

Delta R.T. 0.023 min

Lab File: VN074784.D

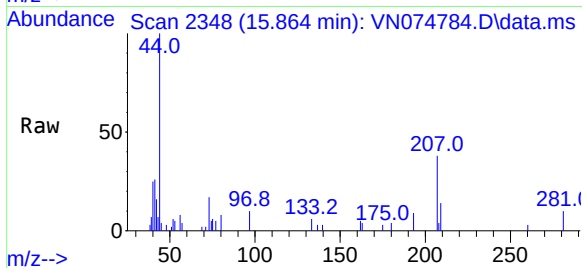
Acq: 06 Oct 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

MW-5



Tgt Ion:180 Resp: 92

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

145 0.0 17.1 51.2#

