

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074790.D
 Acq On : 06 Oct 2022 17:52
 Operator : JC\MD
 Sample : N4910-06RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5RE

Quant Time: Oct 06 19:18:09 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)

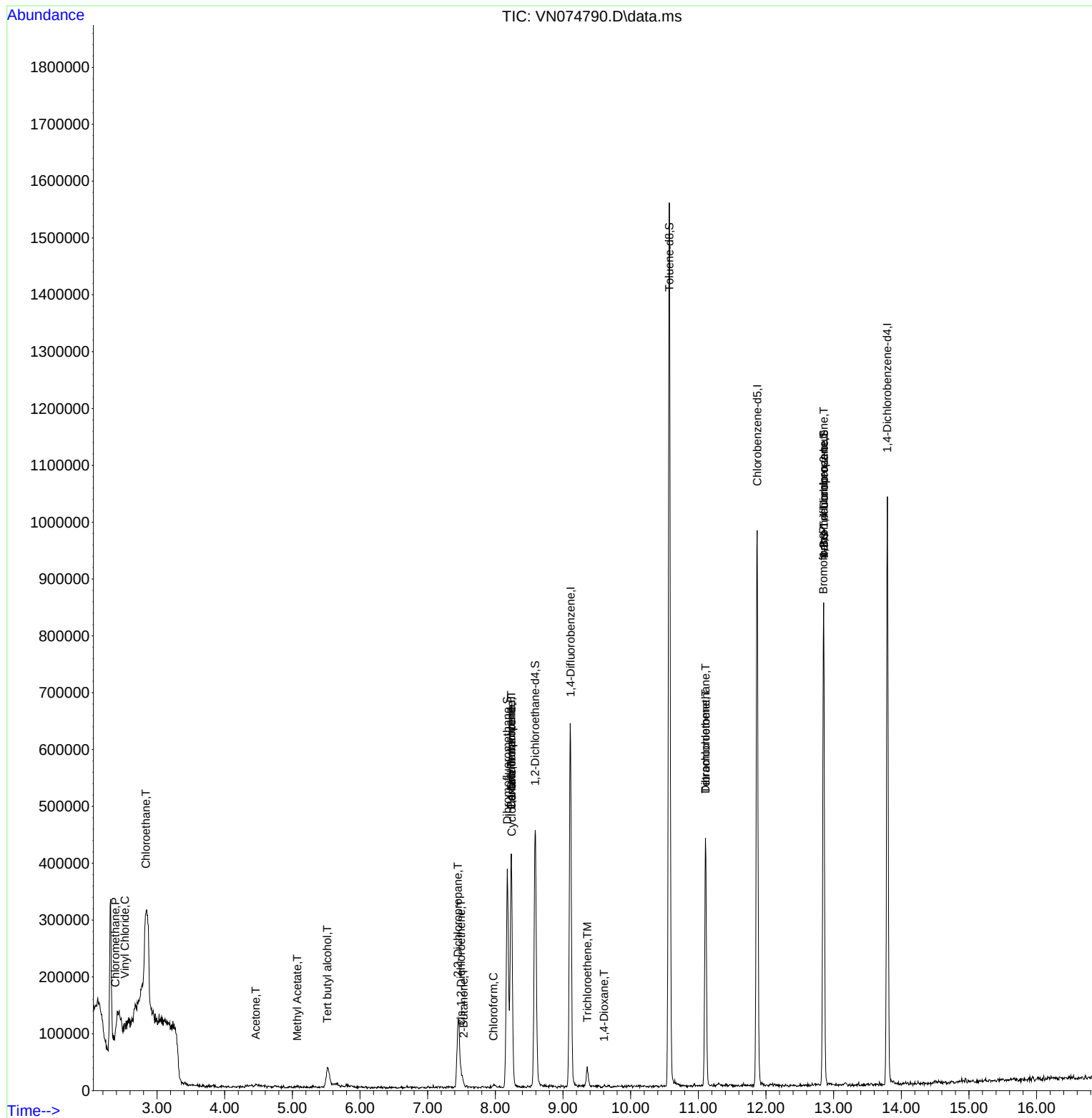
Internal Standards						
1) Pentafluorobenzene	8.236	168	281904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	542980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	535962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	244462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	335789	50.272	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.540%	
35) Dibromofluoromethane	8.177	113	264551	48.223	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.440%	
50) Toluene-d8	10.571	98	1071444	45.516	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.040%	
62) 4-Bromofluorobenzene	12.853	95	266521	37.246	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 74.500%#	
Target Compounds						
						Qvalue
3) Chloromethane	2.383	50	2104	0.245	ug/l	93
4) Vinyl Chloride	2.524	62	2503	0.235	ug/l	93
6) Chloroethane	2.836	64	307451	39.035	ug/l #	47
11) Tert butyl alcohol	5.518	59	30438	13.606	ug/l #	80
13) Acrolein	4.230	56	455	Below Cal	#	33
16) Acetone	4.459	43	2384	0.630	ug/l	97
18) Methyl Acetate	5.071	43	3949	0.282	ug/l #	72
20) Methylene Chloride	5.295	84	450	Below Cal	#	34
25) 2-Butanone	7.530	43	2154	0.314	ug/l #	89
26) 2,2-Dichloropropane	7.447	77	8251	0.812	ug/l #	52
27) cis-1,2-Dichloroethene	7.494	96	10243	1.470	ug/l #	1
30) Chloroform	7.971	83	3413	0.303	ug/l	86
31) Cyclohexane	8.241	56	10225	0.886	ug/l #	71
36) 1,1-Dichloropropene	8.236	75	28952	3.261	ug/l #	50
38) Carbon Tetrachloride	8.236	117	29105	3.476	ug/l #	16
44) Trichloroethene	9.359	130	11069	1.849	ug/l	66
49) 1,4-Dioxane	9.606	88	78	0.398	ug/l #	1
60) Dibromochloromethane	11.106	129	86615	12.663	ug/l #	10
64) Tetrachloroethene	11.106	164	90956	20.905	ug/l	95
71) Bromoform	12.847	173	3239	0.708	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.847	83	1079	Below Cal	#	9
76) 1,2,3-Trichloropropane	12.853	75	157359	21.566	ug/l #	1
77) Bromobenzene	12.847	156	62	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157359	42.019	ug/l #	14

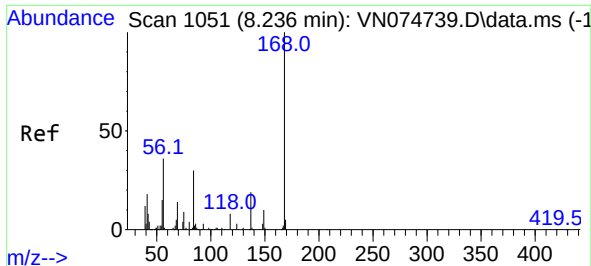
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

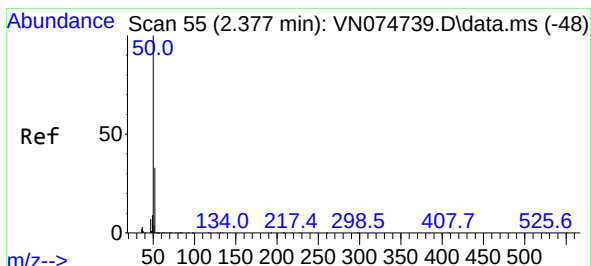
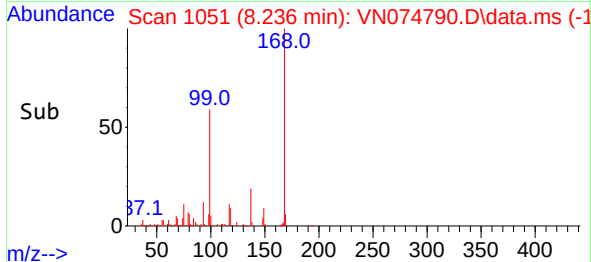
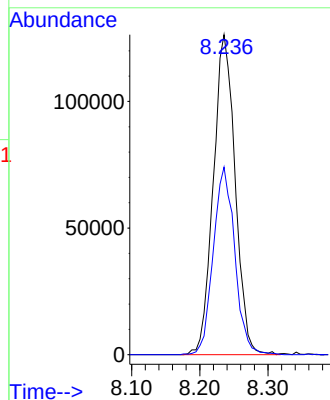
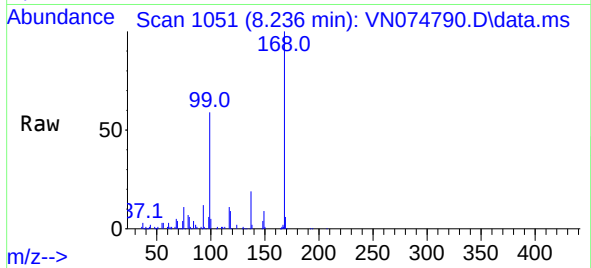




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

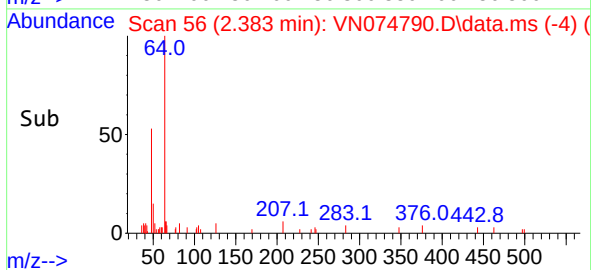
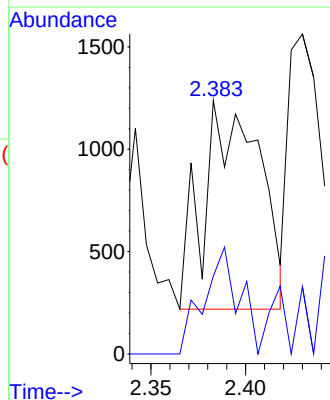
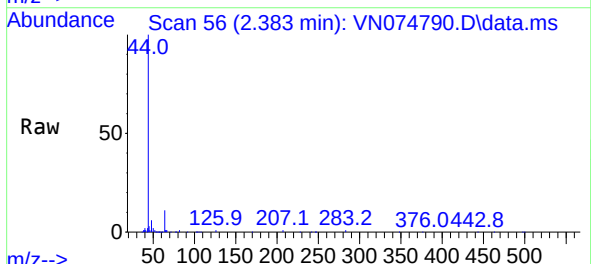
Instrument :
MSVOA_N
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MW-5RE

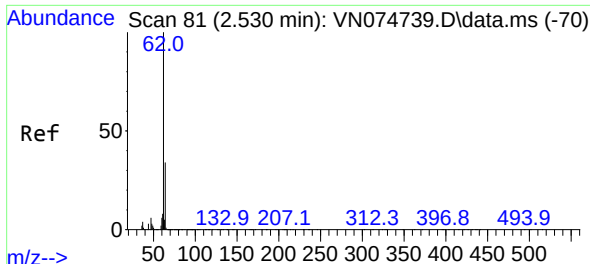
Tgt Ion:168 Resp: 281904
Ion Ratio Lower Upper
168 100
99 58.6 42.8 64.2



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 50 Resp: 2104
Ion Ratio Lower Upper
50 100
52 37.3 26.7 40.1

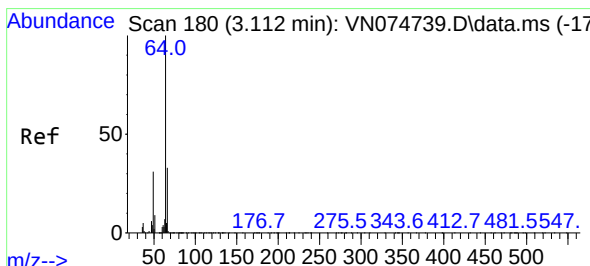
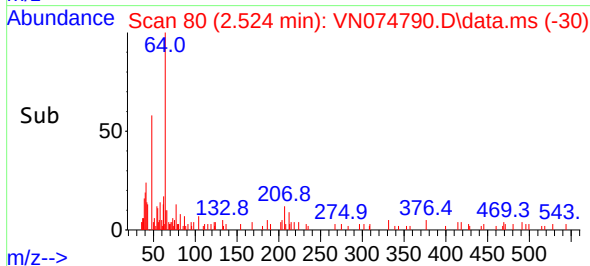
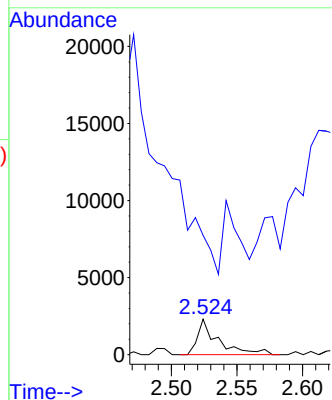
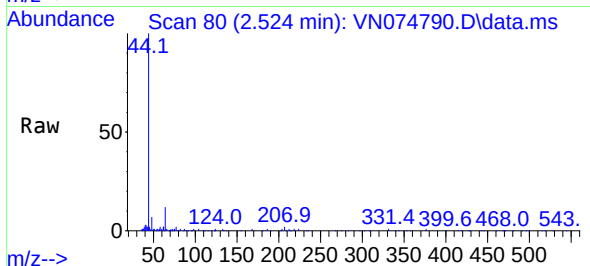




#4
 Vinyl Chloride
 Concen: 0.235 ug/l
 RT: 2.524 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VN074790.D
 Acq: 06 Oct 2022 17:52

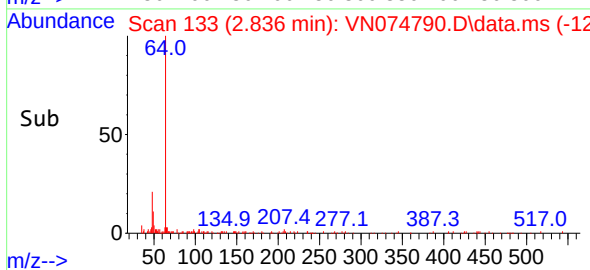
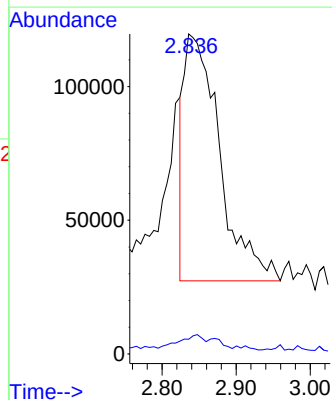
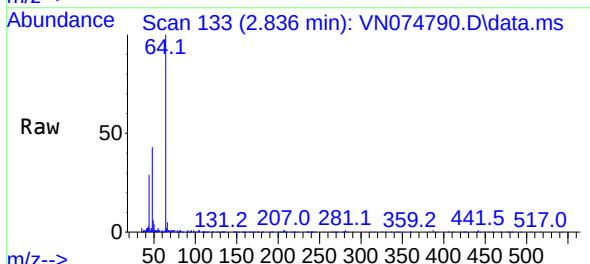
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5RE

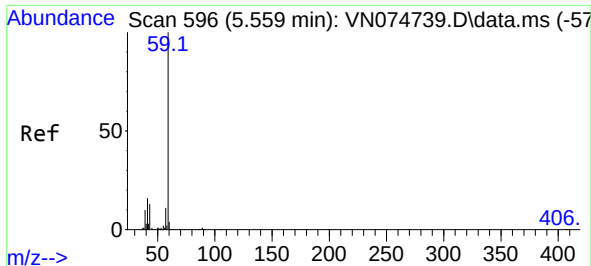
Tgt Ion: 62 Resp: 2503
 Ion Ratio Lower Upper
 62 100
 64 38.3 27.4 41.2



#6
 Chloroethane
 Concen: 39.035 ug/l
 RT: 2.836 min Scan# 133
 Delta R.T. -0.277 min
 Lab File: VN074790.D
 Acq: 06 Oct 2022 17:52

Tgt Ion: 64 Resp: 307451
 Ion Ratio Lower Upper
 64 100
 66 2.2 25.1 37.7#





#11

Tert butyl alcohol

Concen: 13.606 ug/l

RT: 5.518 min Scan# 51

Delta R.T. -0.041 min

Lab File: VN074790.D

Acq: 06 Oct 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

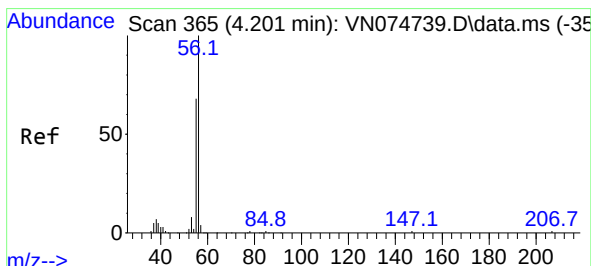
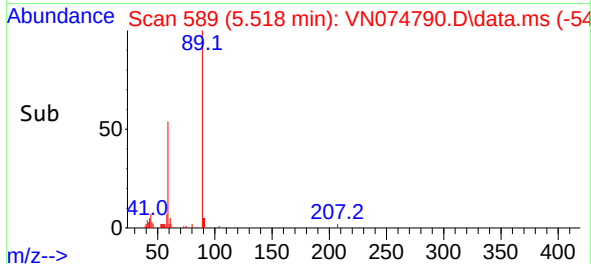
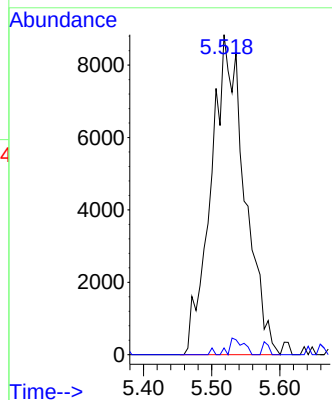
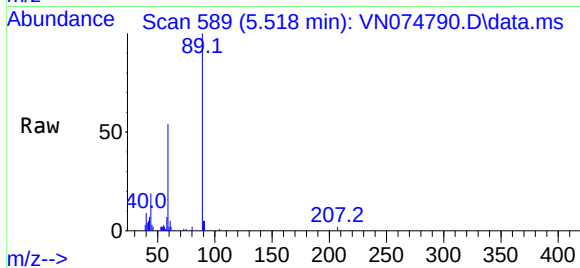
MW-5RE

Tgt Ion: 59 Resp: 30438

Ion Ratio Lower Upper

59 100

57 2.1 7.7 11.5#



#13

Acrolein

Concen: Below Cal

RT: 4.230 min Scan# 370

Delta R.T. 0.029 min

Lab File: VN074790.D

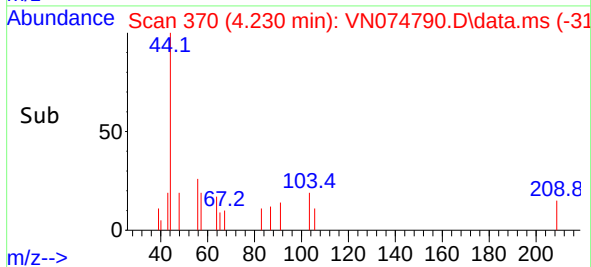
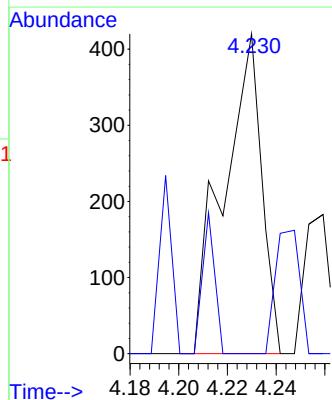
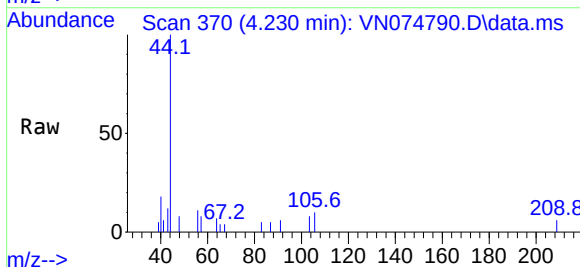
Acq: 06 Oct 2022 17:52

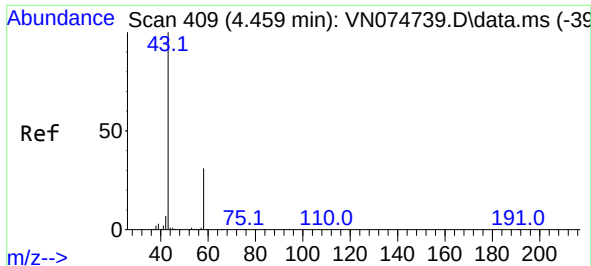
Tgt Ion: 56 Resp: 455

Ion Ratio Lower Upper

56 100

55 14.3 54.9 82.3#

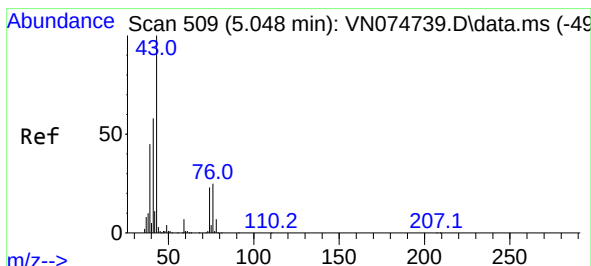
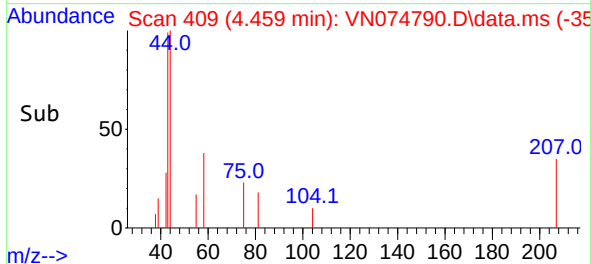
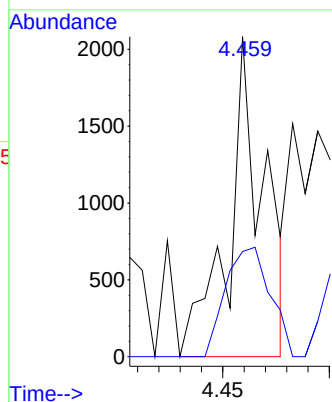
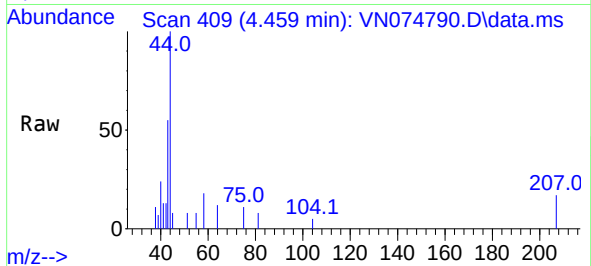




#16
Acetone
Concen: 0.630 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

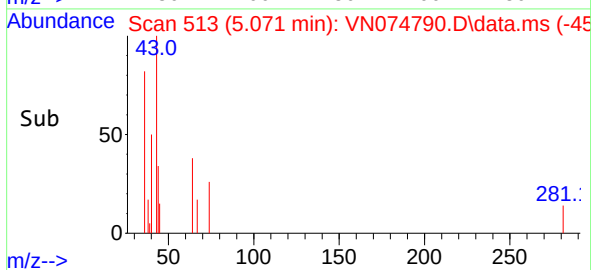
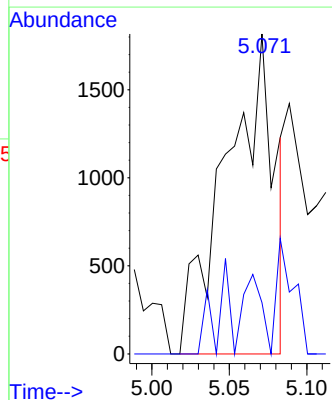
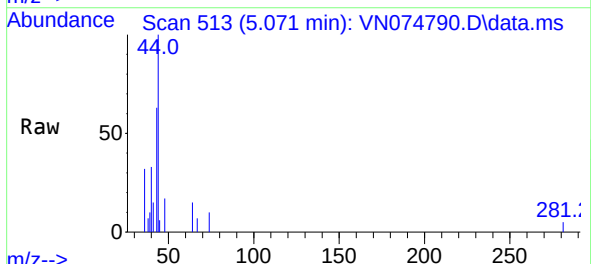
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

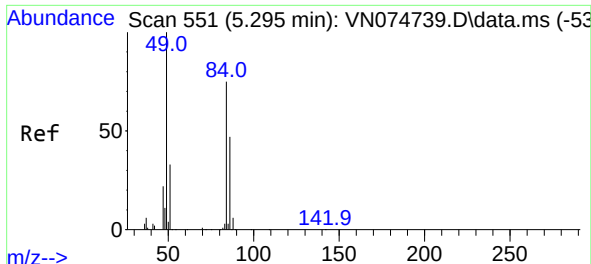
Tgt Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
58 32.9 24.9 37.3



#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 5.071 min Scan# 513
Delta R.T. 0.023 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 43 Resp: 3949
Ion Ratio Lower Upper
43 100
74 9.6 18.5 27.7#



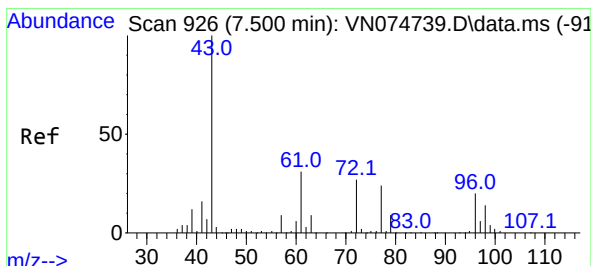
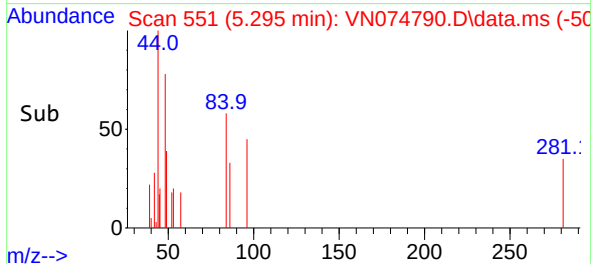
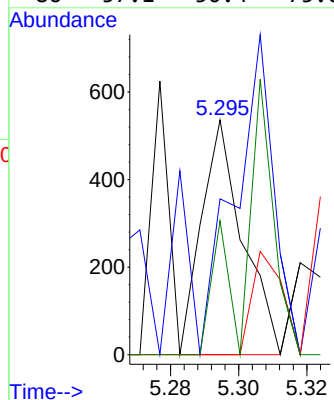
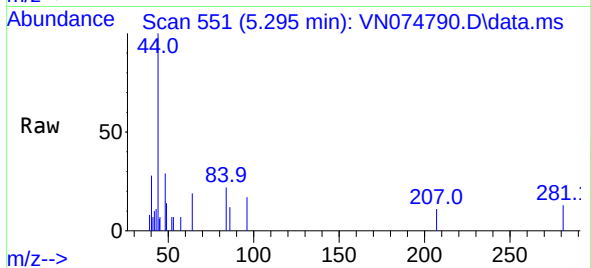


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

Tgt Ion: 84 Resp: 450

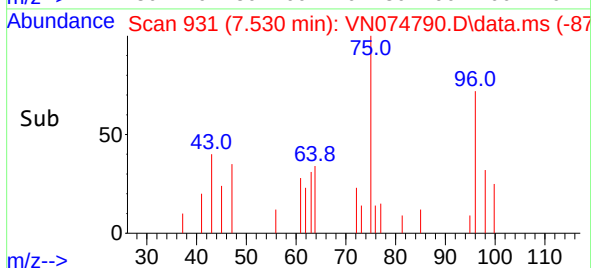
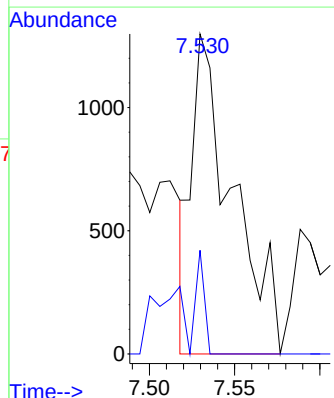
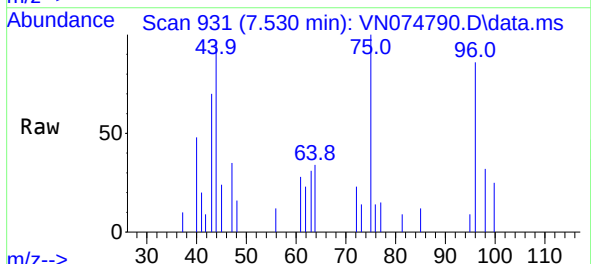
Ion	Ratio	Lower	Upper
84	100		
49	23.3	107.4	161.0#
51	0.0	35.1	52.7#
86	57.1	50.4	75.6

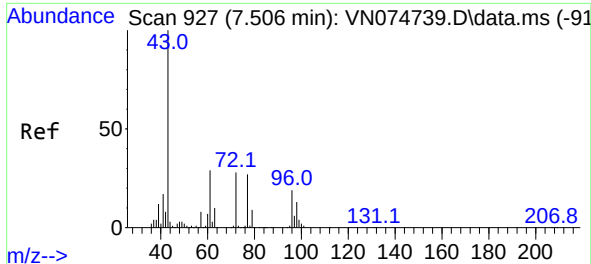


#25
2-Butanone
Concen: 0.314 ug/l
RT: 7.530 min Scan# 931
Delta R.T. 0.029 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 43 Resp: 2154

Ion	Ratio	Lower	Upper
43	100		
72	32.4	21.4	32.0#

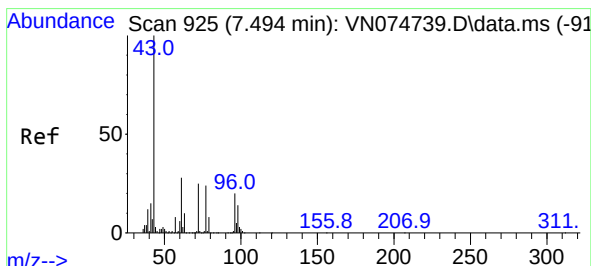
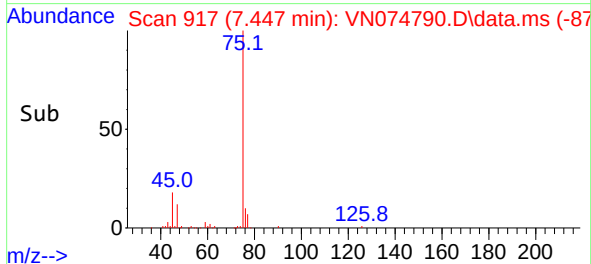
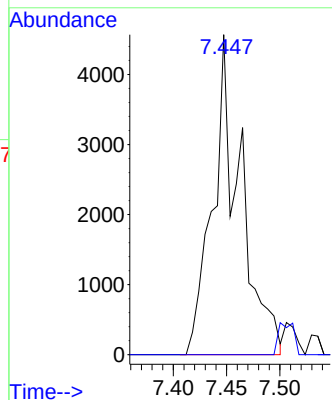
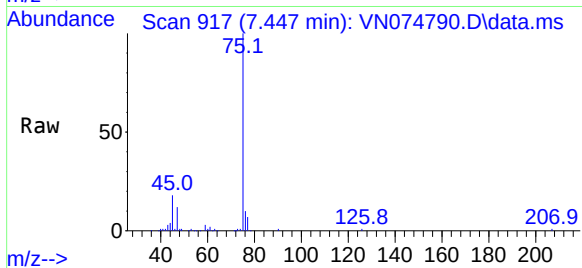




#26
2,2-Dichloropropane
Concen: 0.812 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.059 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

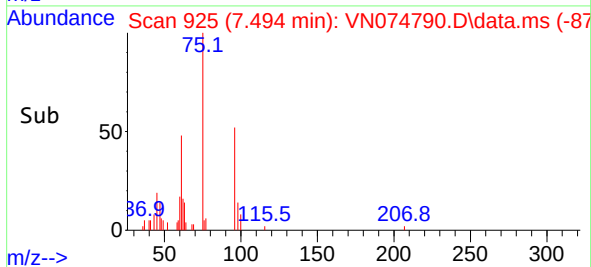
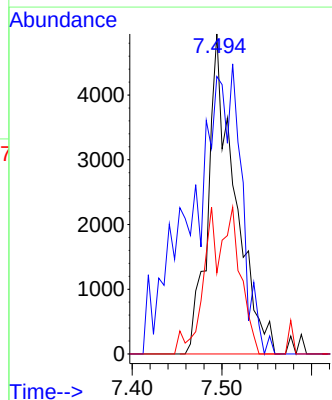
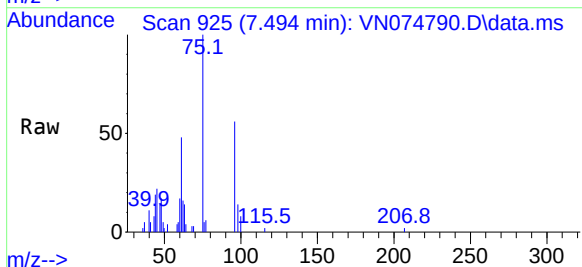
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

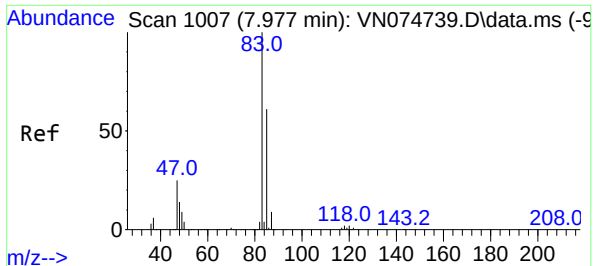
Tgt Ion: 77 Resp: 8251
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#



#27
cis-1,2-Dichloroethene
Concen: 1.470 ug/l
RT: 7.494 min Scan# 925
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 96 Resp: 10243
Ion Ratio Lower Upper
96 100
61 0.0 0.0 303.2
98 24.1 0.0 131.0





#30

Chloroform

Concen: 0.303 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.006 min

Lab File: VN074790.D

Acq: 06 Oct 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

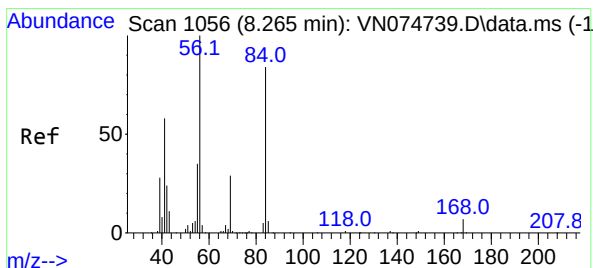
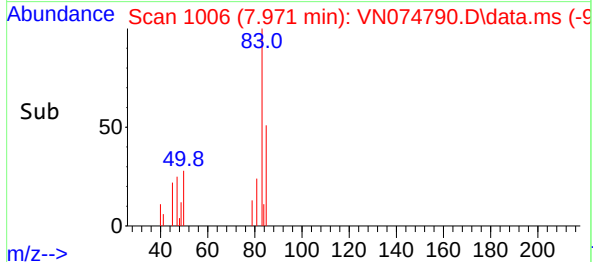
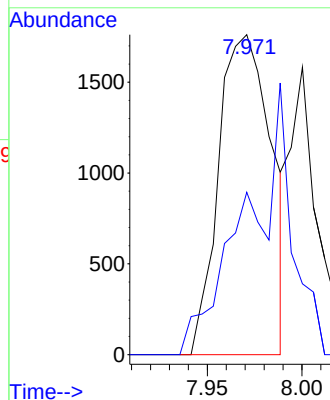
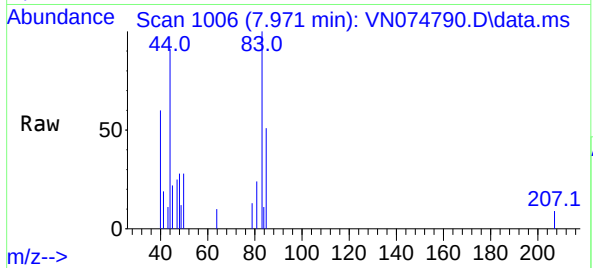
MW-5RE

Tgt Ion: 83 Resp: 3413

Ion Ratio Lower Upper

83 100

85 50.7 49.0 73.4



#31

Cyclohexane

Concen: 0.886 ug/l

RT: 8.241 min Scan# 1052

Delta R.T. -0.024 min

Lab File: VN074790.D

Acq: 06 Oct 2022 17:52

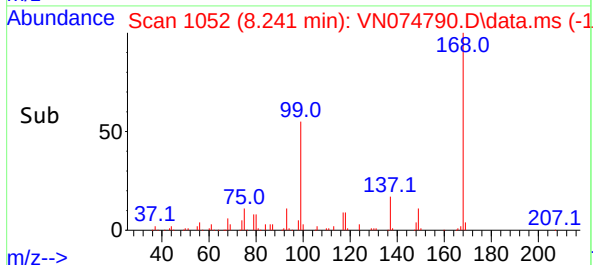
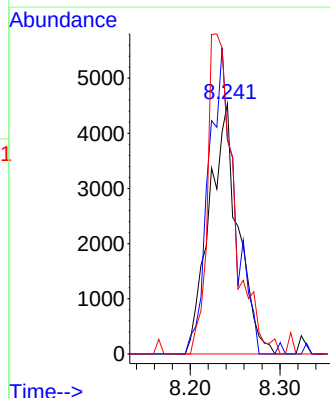
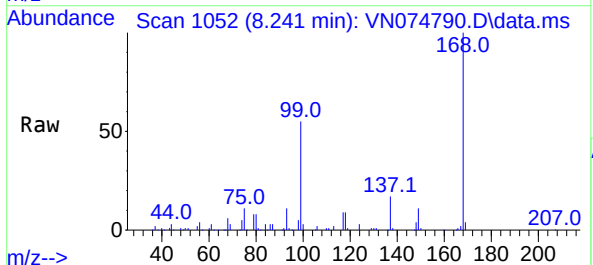
Tgt Ion: 56 Resp: 10225

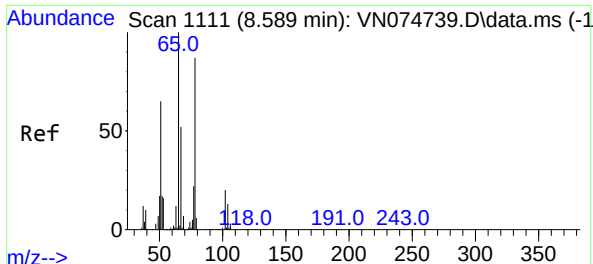
Ion Ratio Lower Upper

56 100

69 85.5 23.1 34.7#

84 86.0 67.1 100.7

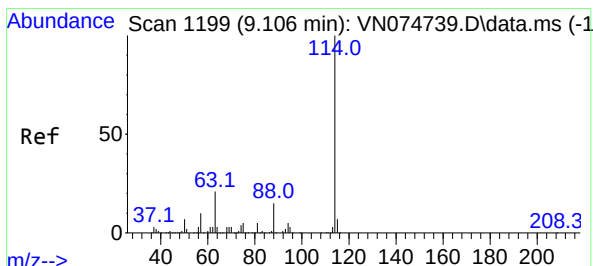
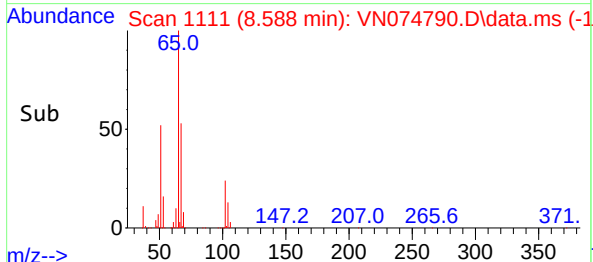
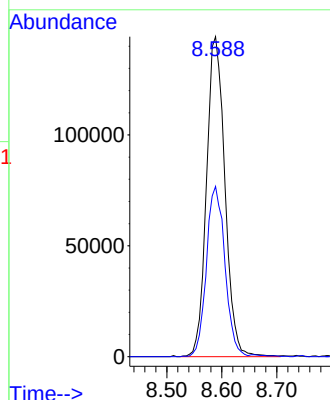
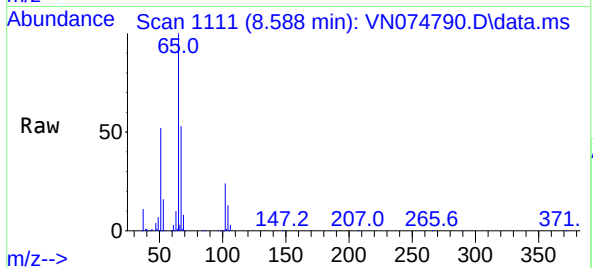




#33
1,2-Dichloroethane-d4
Concen: 50.272 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

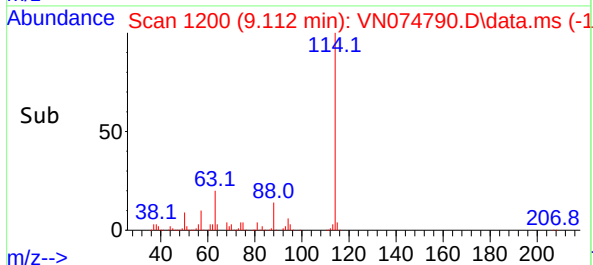
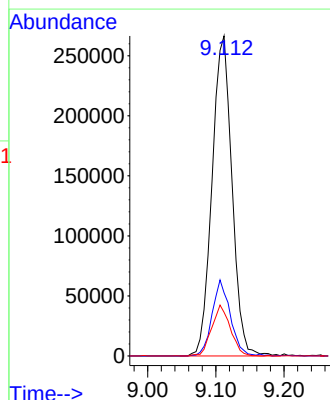
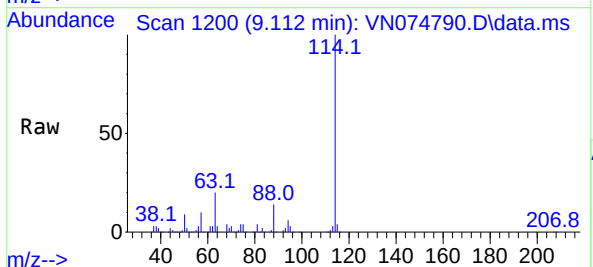
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

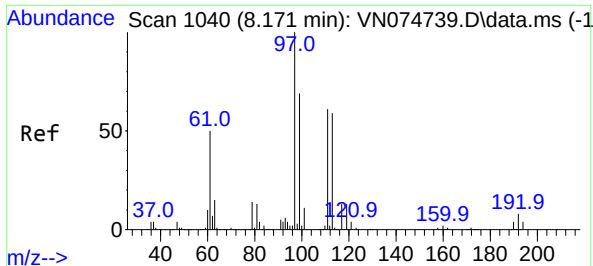
Tgt Ion: 65 Resp: 335789
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 114 Resp: 542980
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.2
88 13.6 0.0 30.2

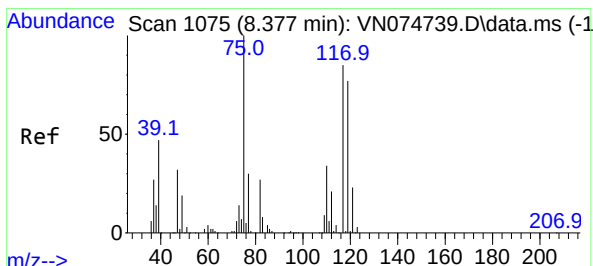
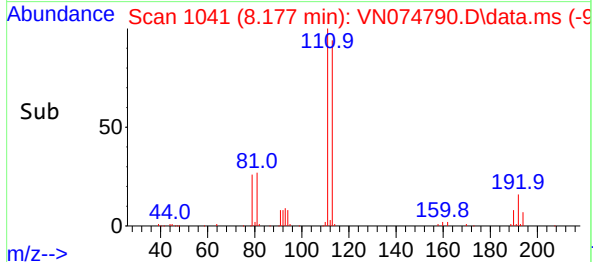
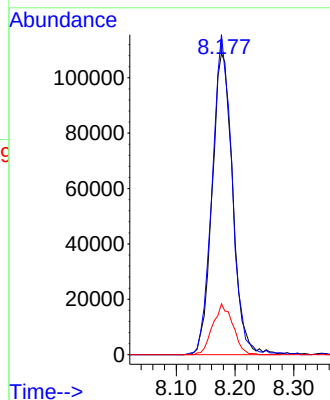
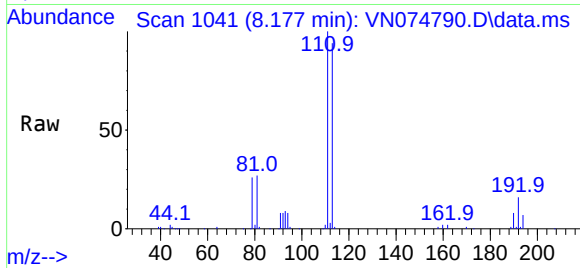




#35
Dibromofluoromethane
Concen: 48.223 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

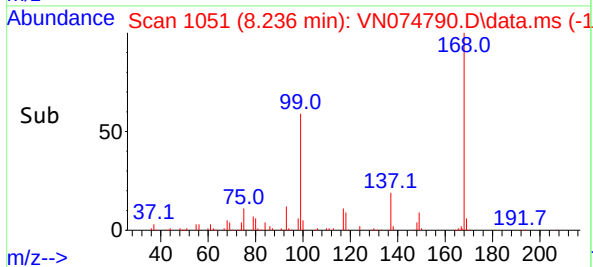
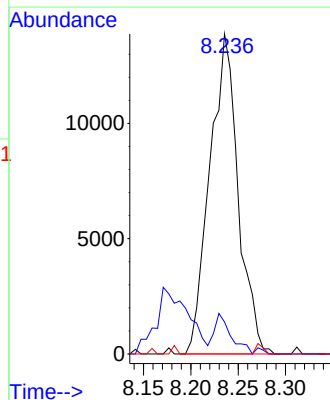
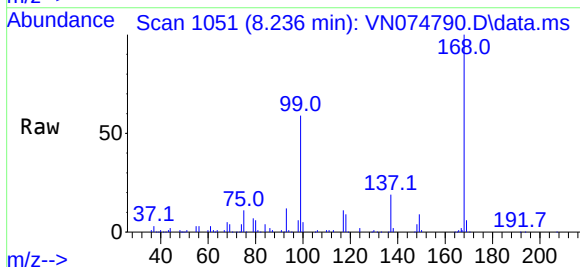
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

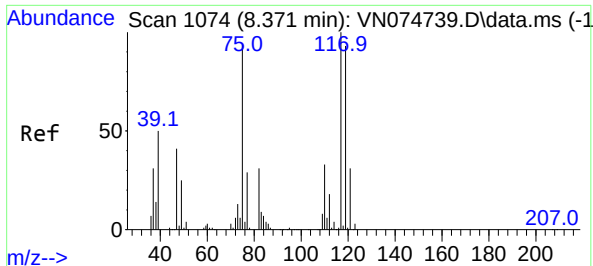
Tgt Ion:113 Resp: 264551
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.6
192 16.5 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.261 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 75 Resp: 28952
Ion Ratio Lower Upper
75 100
110 8.0 17.2 51.5#
77 0.0 24.3 36.5#

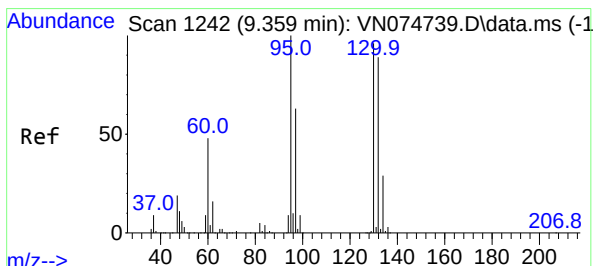
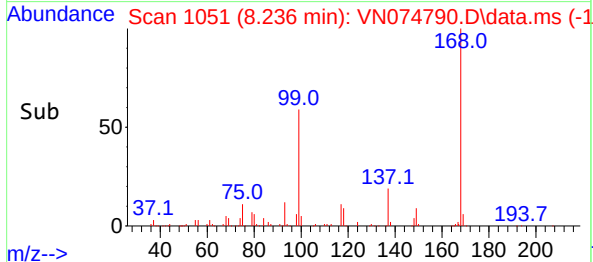
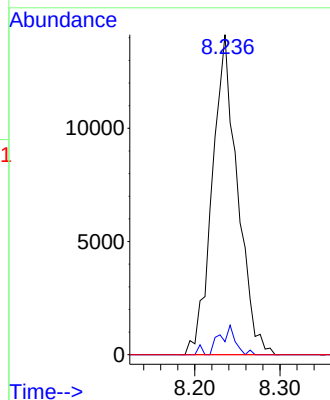
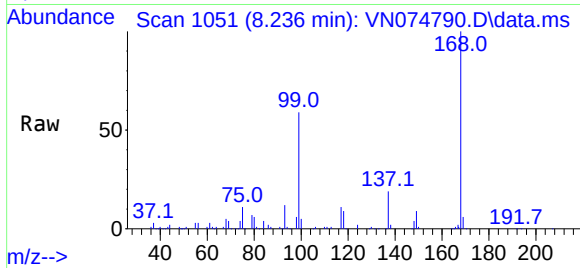




#38
Carbon Tetrachloride
Concen: 3.476 ug/l
RT: 8.236 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

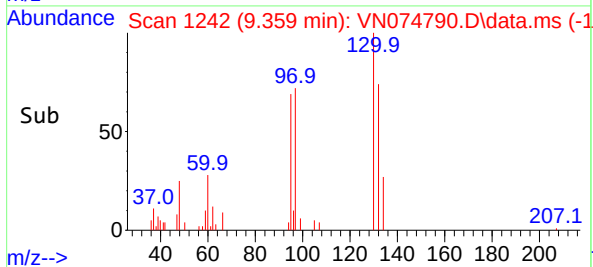
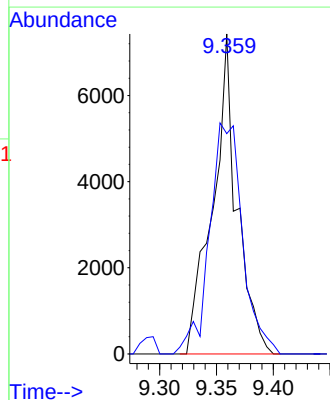
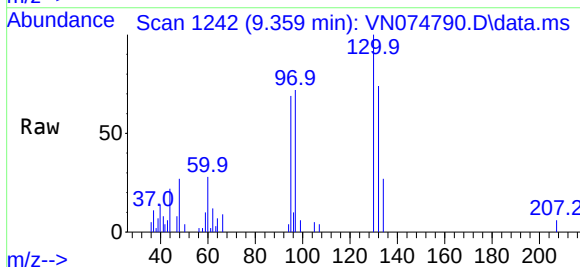
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

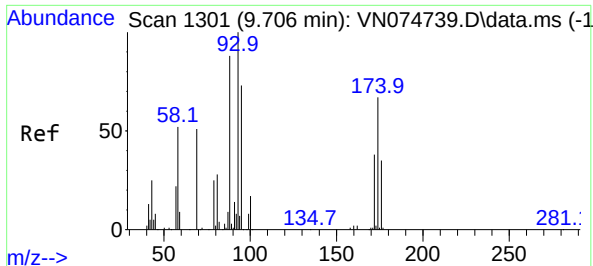
Tgt Ion:117 Resp: 29105
Ion Ratio Lower Upper
117 100
119 4.1 74.3 111.5#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 1.849 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion:130 Resp: 11069
Ion Ratio Lower Upper
130 100
95 68.9 0.0 207.6

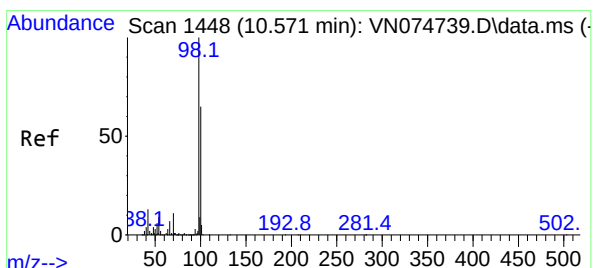
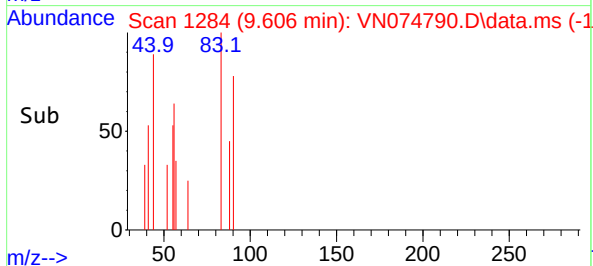
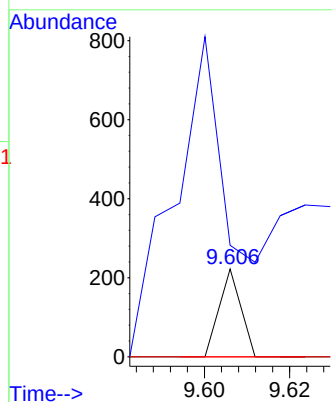
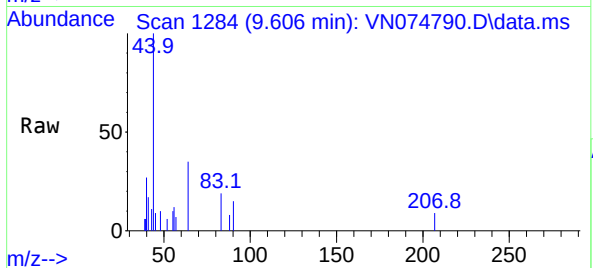




#49
1,4-Dioxane
Concen: 0.398 ug/l
RT: 9.606 min Scan# 11
Delta R.T. -0.100 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

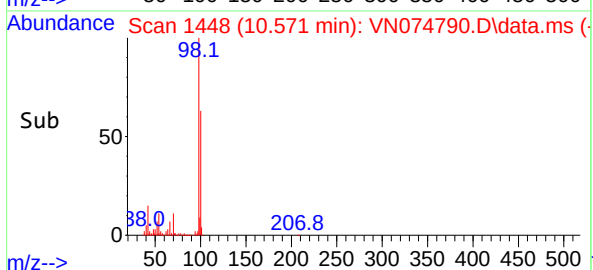
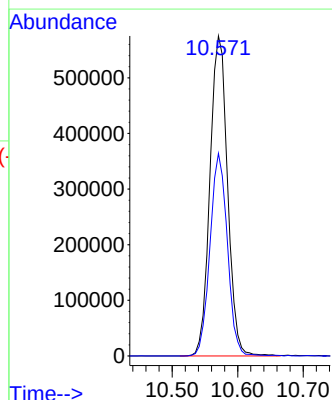
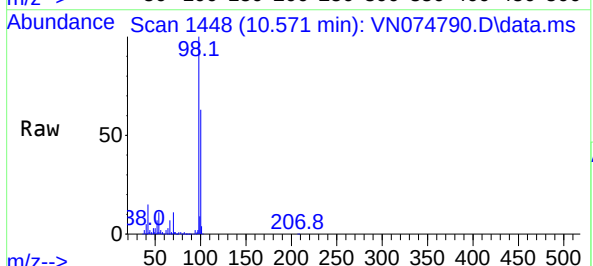
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

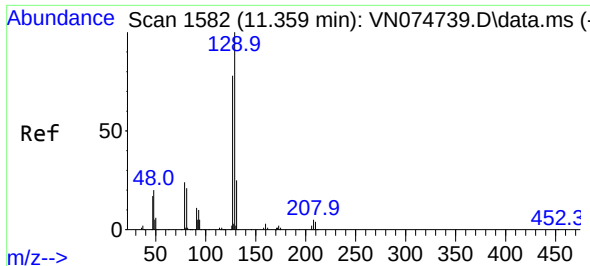
Tgt Ion:	88	Resp:	78
Ion	Ratio	Lower	Upper
88	100		
43	938.5	23.4	35.2#
58	0.0	54.9	82.3#



#50
Toluene-d8
Concen: 45.516 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion:	98	Resp:	1071444
Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.7	76.1

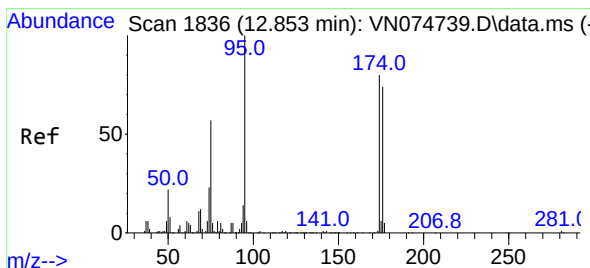
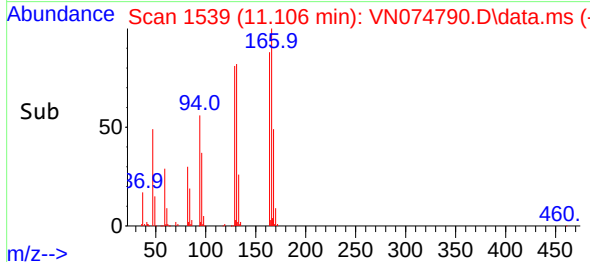
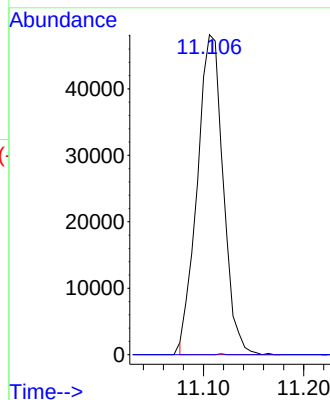
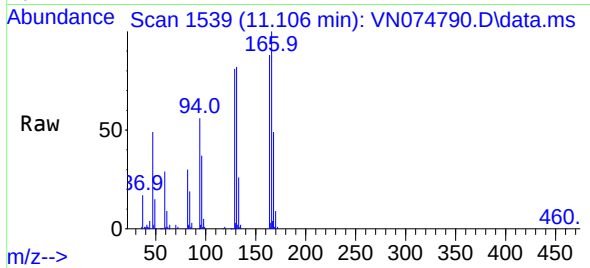




#60
Dibromochloromethane
Concen: 12.663 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

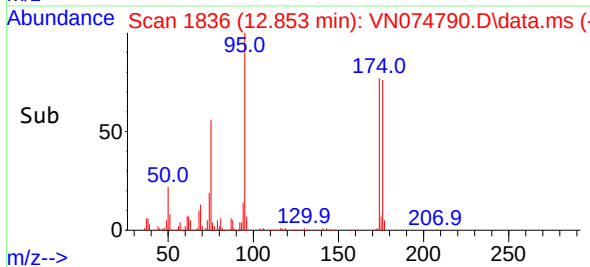
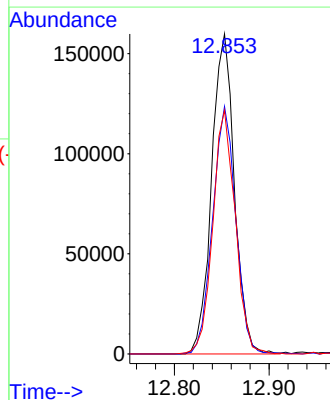
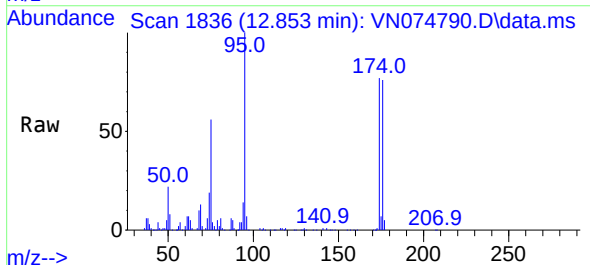
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

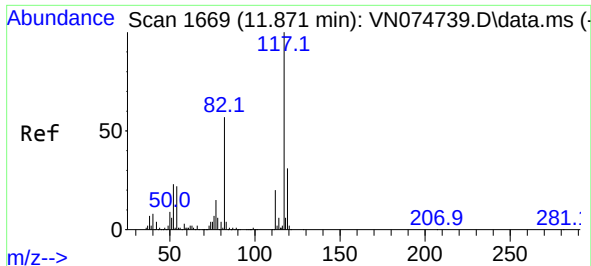
Tgt Ion:129 Resp: 86615
Ion Ratio Lower Upper
129 100
127 0.1 39.5 118.3#



#62
4-Bromofluorobenzene
Concen: 37.246 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 95 Resp: 266521
Ion Ratio Lower Upper
95 100
174 78.9 0.0 149.4
176 75.3 0.0 142.0

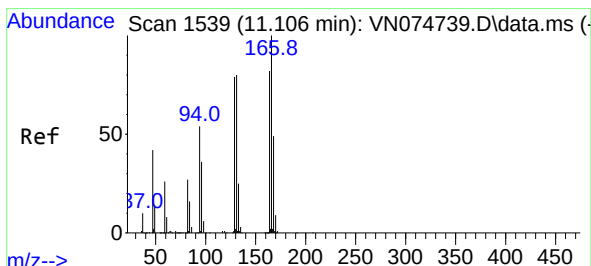
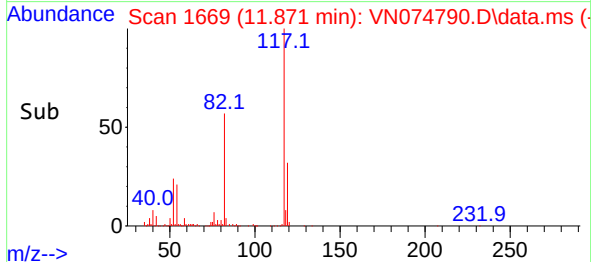
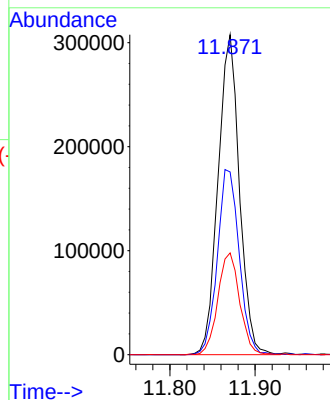
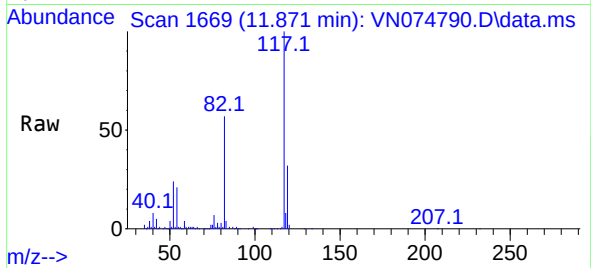




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

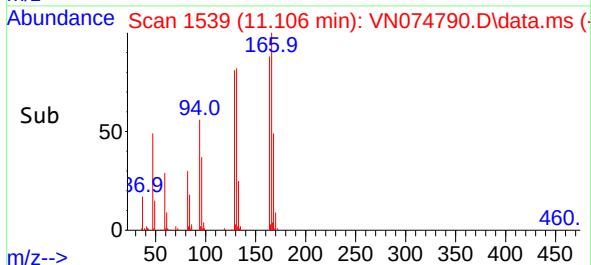
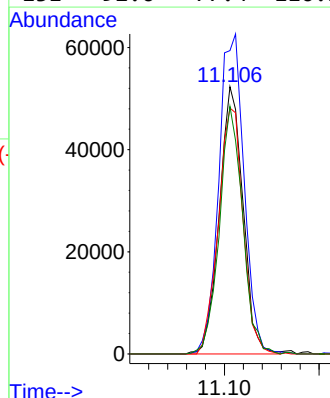
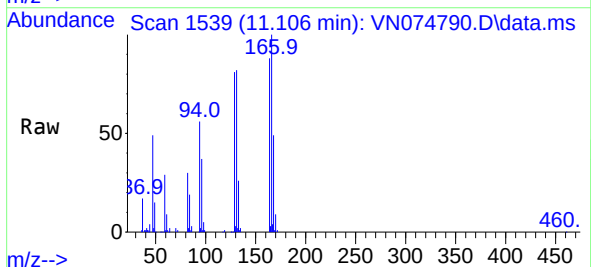
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

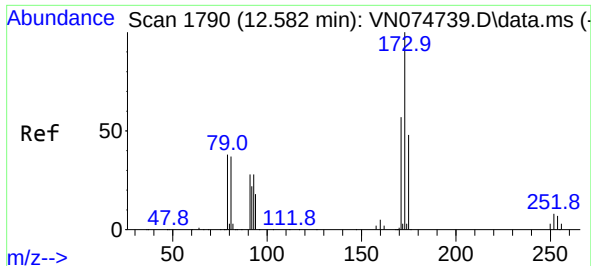
Tgt Ion:117 Resp: 535962
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 31.8 25.1 37.7



#64
Tetrachloroethene
Concen: 20.905 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion:164 Resp: 90956
Ion Ratio Lower Upper
164 100
166 113.5 97.0 145.6
129 92.0 77.0 115.6
131 92.6 77.4 116.2

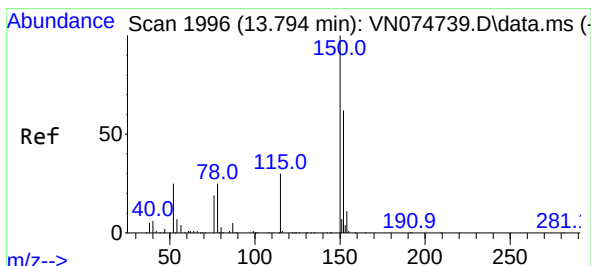
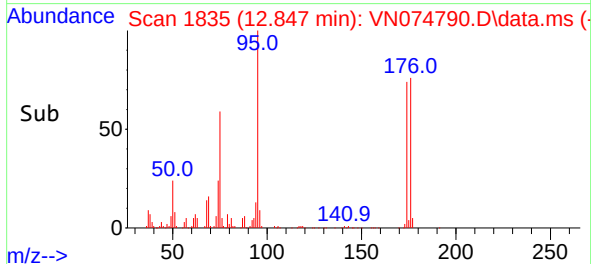
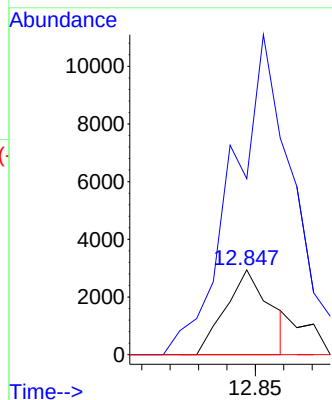
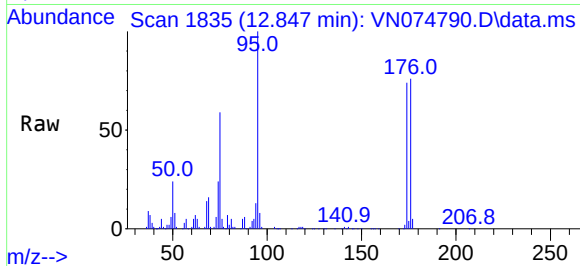




#71
Bromoform
Concen: 0.708 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

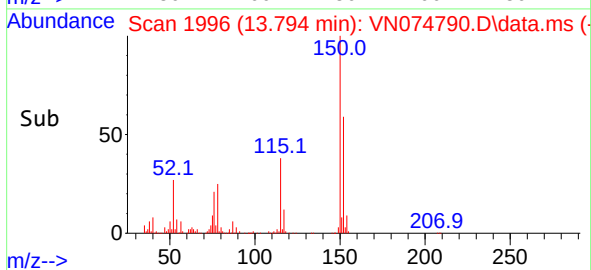
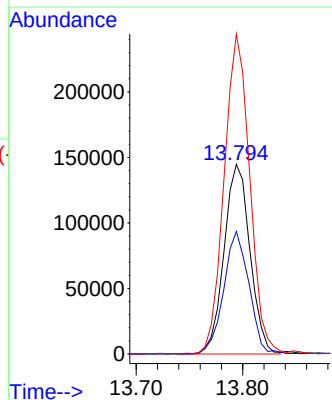
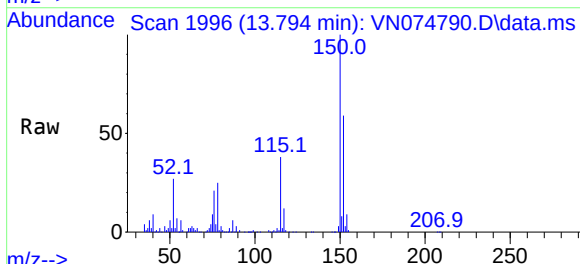
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

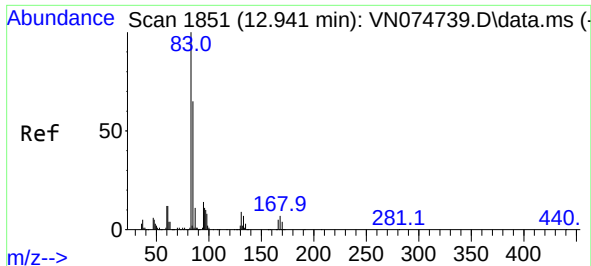
Tgt Ion:173 Resp: 3239
Ion Ratio Lower Upper
173 100
175 398.7 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion:152 Resp: 244462
Ion Ratio Lower Upper
152 100
115 62.9 30.0 90.0
150 166.8 0.0 356.4

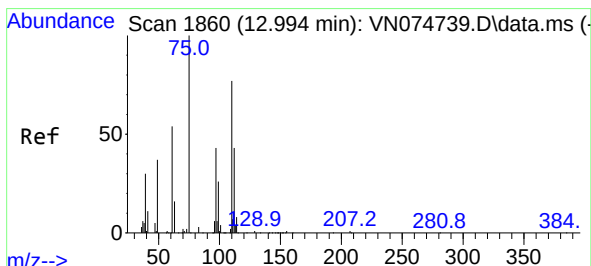
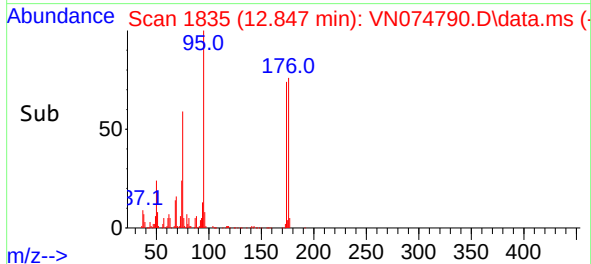
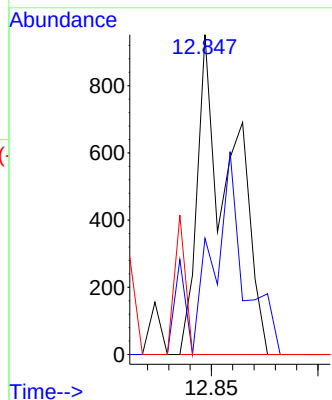
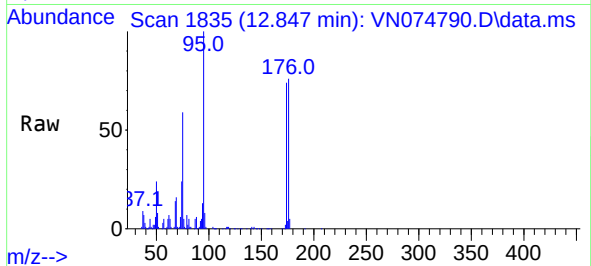




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.094 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

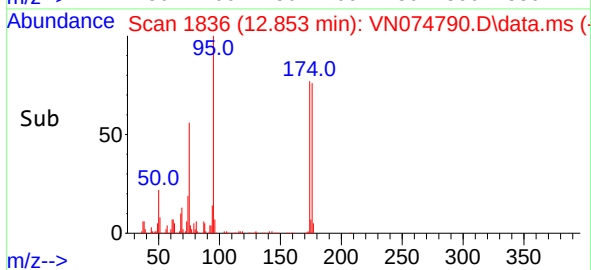
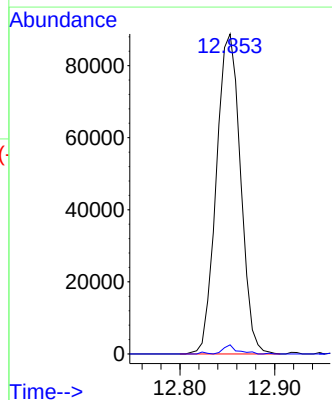
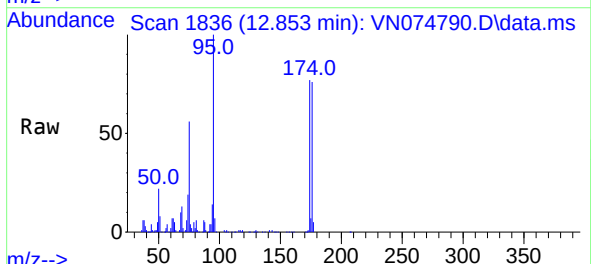
Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

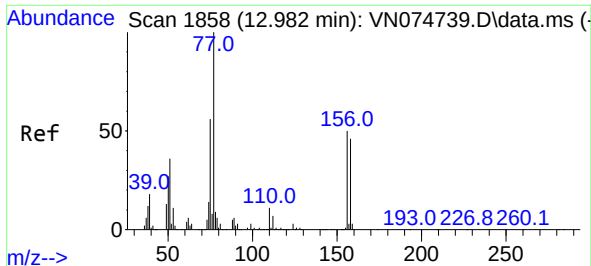
Tgt Ion: 83 Resp: 1079
Ion Ratio Lower Upper
83 100
131 63.7 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 21.566 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 75 Resp: 157359
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#

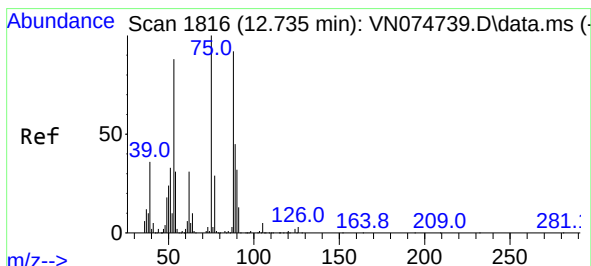
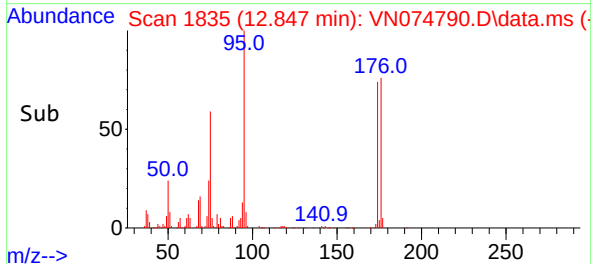
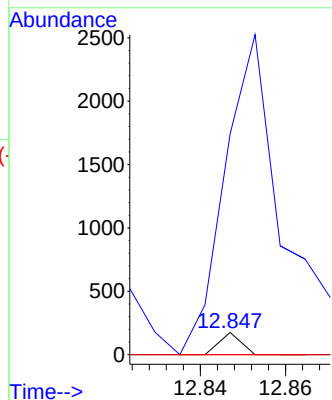
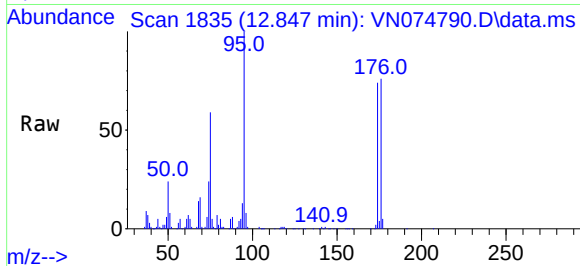




#77
Bromobenzene
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.135 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
MW-5RE

Tgt Ion:156 Resp: 62
Ion Ratio Lower Upper
156 100
77 4145.2 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 42.019 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074790.D
Acq: 06 Oct 2022 17:52

Tgt Ion: 75 Resp: 157359
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.4 32.1 48.1#

