

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074788.D
 Acq On : 06 Oct 2022 17:04
 Operator : JC\MD
 Sample : N4910-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Oct 06 19:04:17 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)

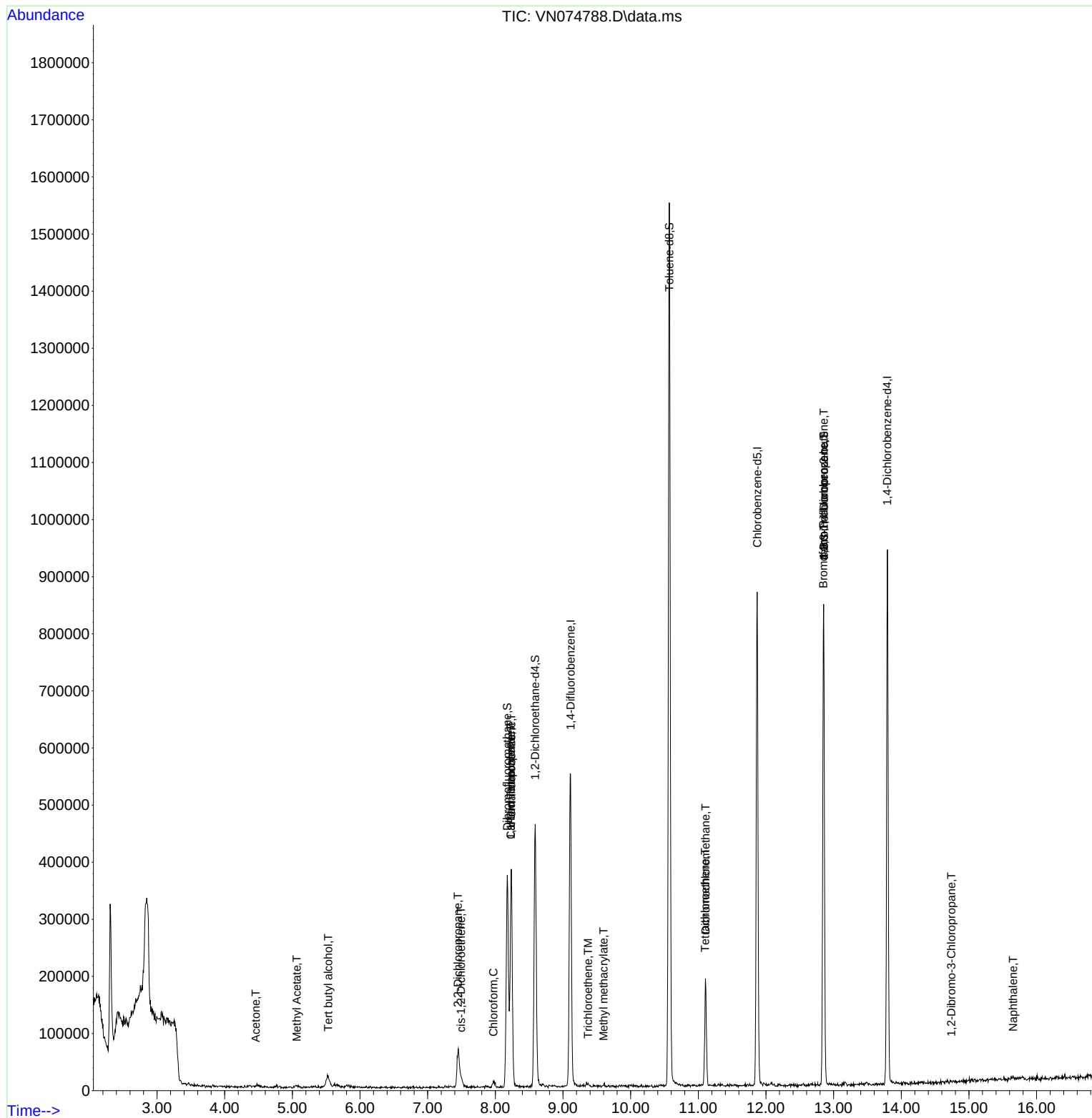
Internal Standards						
1) Pentafluorobenzene	8.236	168	252901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	482511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	467788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	235516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	330899	55.221	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.440%
35) Dibromofluoromethane	8.177	113	261525	53.645	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.300%
50) Toluene-d8	10.571	98	1076614	51.467	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.940%
62) 4-Bromofluorobenzene	12.853	95	267553	42.076	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.160%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.530	59	17631	8.785	ug/l #	76
13) Acrolein	4.212	56	139	Below Cal	#	1
16) Acetone	4.459	43	1037	0.305	ug/l #	44
18) Methyl Acetate	5.065	43	5591	0.445	ug/l #	52
20) Methylene Chloride	5.306	84	378	Below Cal	#	21
26) 2,2-Dichloropropane	7.447	77	5073	0.557	ug/l #	52
27) cis-1,2-Dichloroethene	7.494	96	6517	1.043	ug/l	84
30) Chloroform	7.971	83	8486	0.839	ug/l #	68
36) 1,1-Dichloropropene	8.230	75	24983	3.166	ug/l #	51
38) Carbon Tetrachloride	8.230	117	28122	3.779	ug/l #	15
44) Trichloroethene	9.371	130	1729	0.325	ug/l	67
48) Methyl methacrylate	9.600	41	1746	0.217	ug/l #	76
60) Dibromochloromethane	11.106	129	35826	5.894	ug/l #	10
64) Tetrachloroethene	11.100	164	35129	9.251	ug/l	93
71) Bromoform	12.847	173	2612	0.654	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.923	83	145	Below Cal	#	87
76) 1,2,3-Trichloropropane	12.853	75	157598	22.420	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157598	43.681	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.741	75	467	0.249	ug/l #	17
95) Naphthalene	15.653	128	4171	0.255	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.841	180	182	Below Cal	#	40

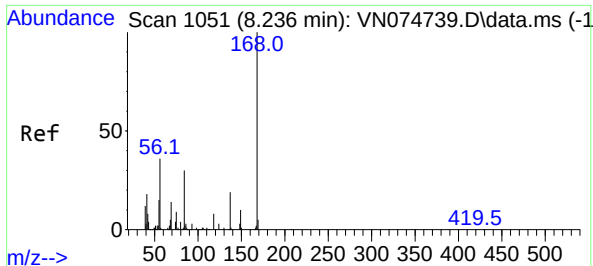
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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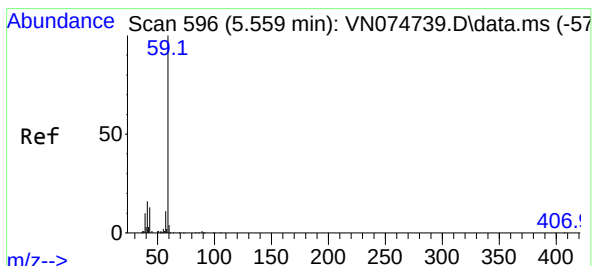
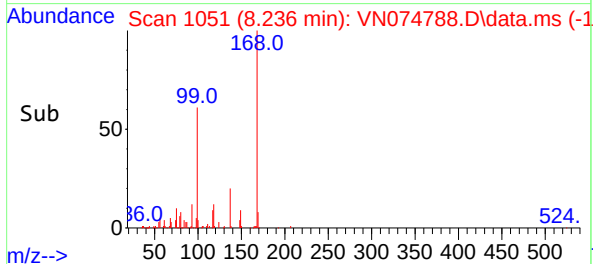
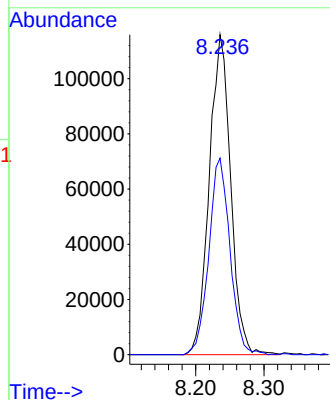
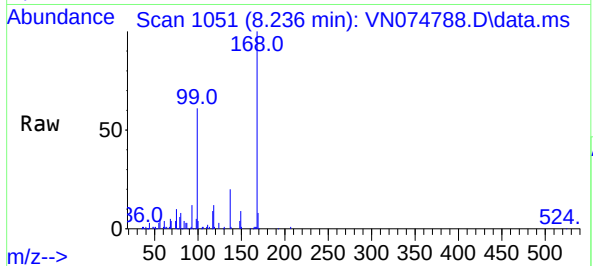




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

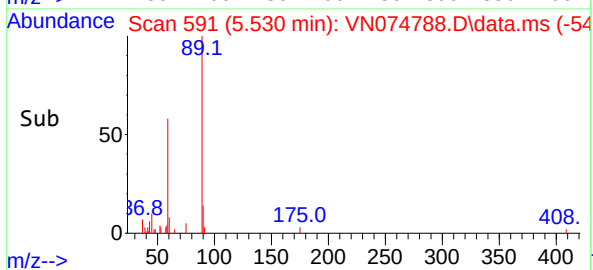
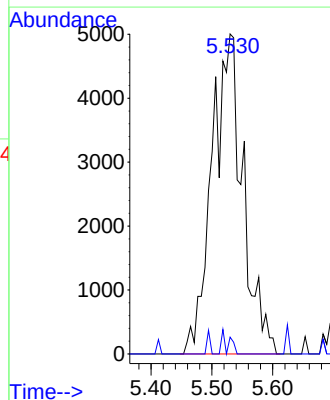
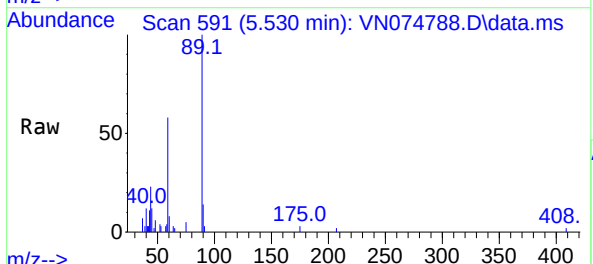
Instrument :
MSVOA_N
ClientSampleId :
MW-4

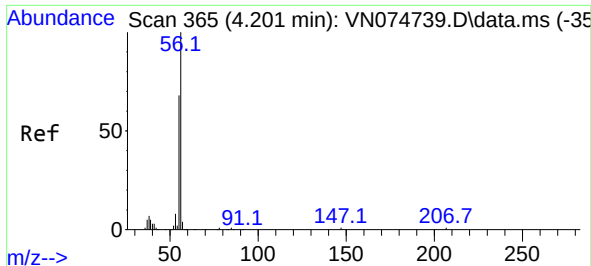
Tgt Ion:168 Resp: 252901
Ion Ratio Lower Upper
168 100
99 61.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 8.785 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.029 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 59 Resp: 17631
Ion Ratio Lower Upper
59 100
57 0.8 7.7 11.5#

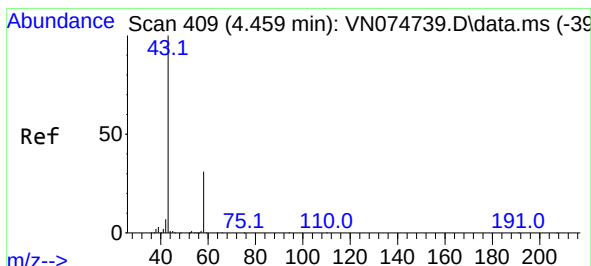
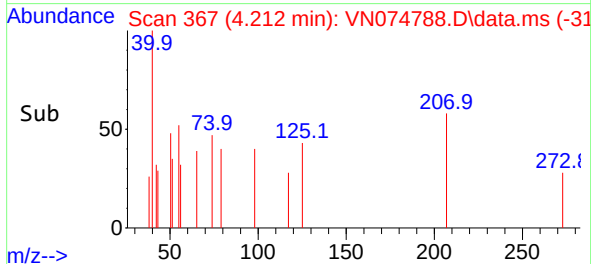
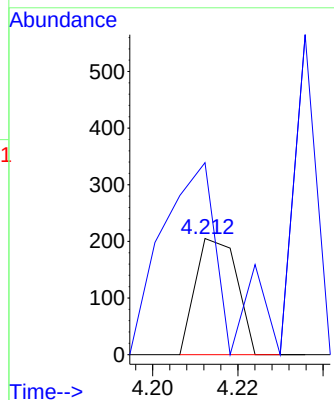
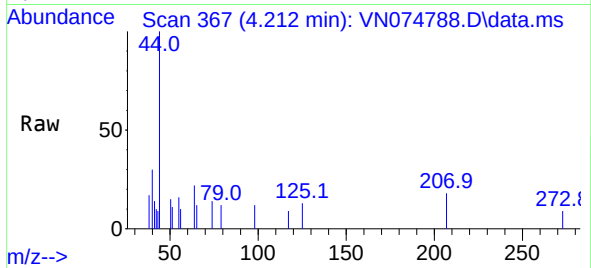




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 30
Delta R.T. 0.011 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

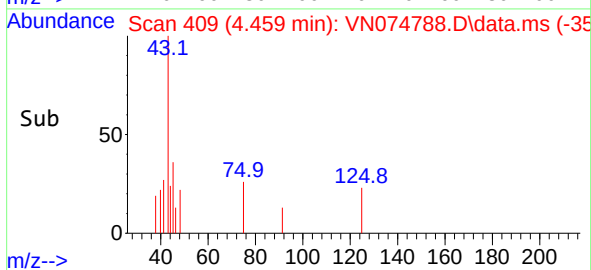
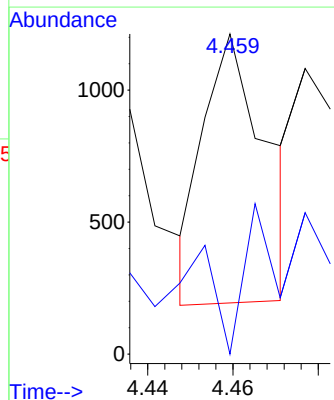
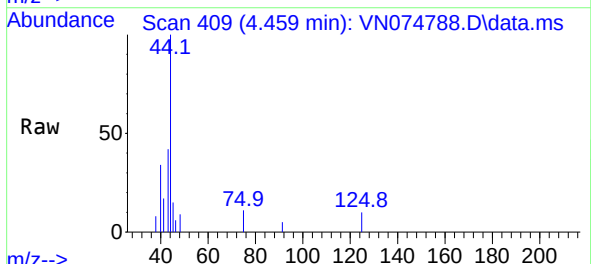
Instrument :
MSVOA_N
ClientSampleId :
MW-4

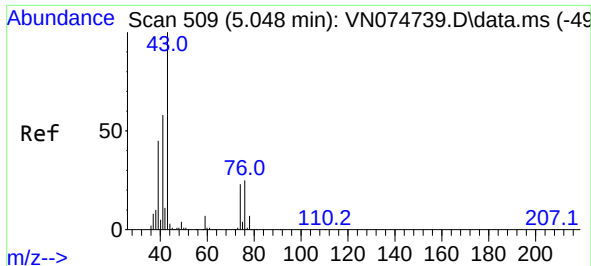
Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 207.9 54.9 82.3#



#16
Acetone
Concen: 0.305 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#

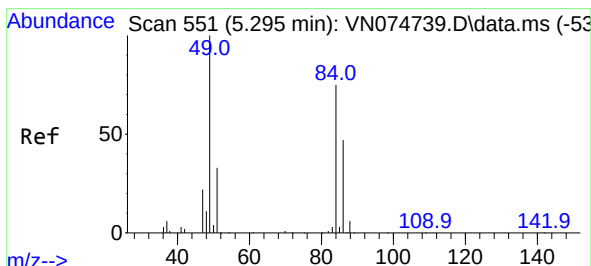
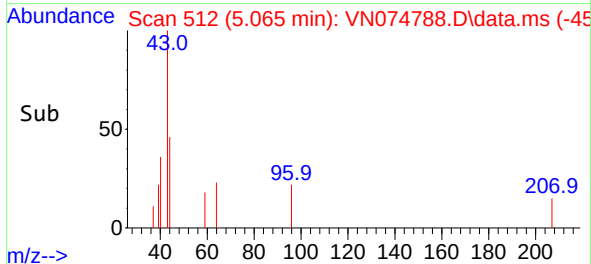
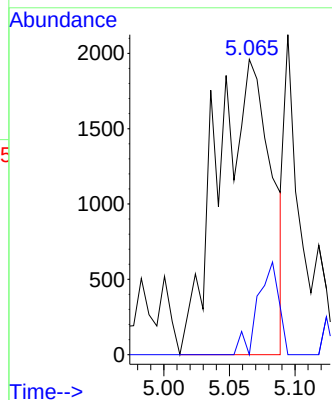
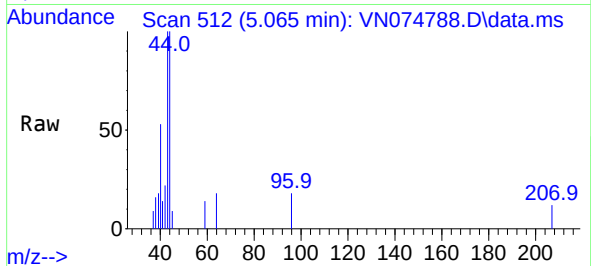




#18
Methyl Acetate
Concen: 0.445 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.018 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

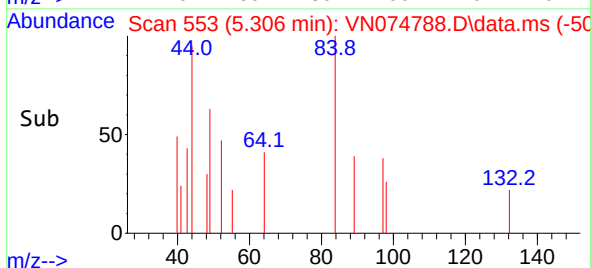
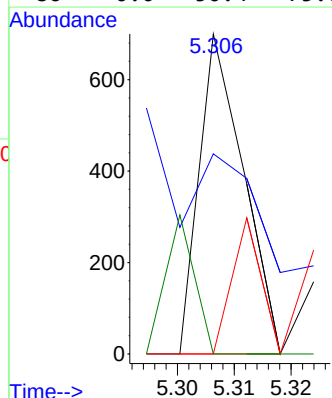
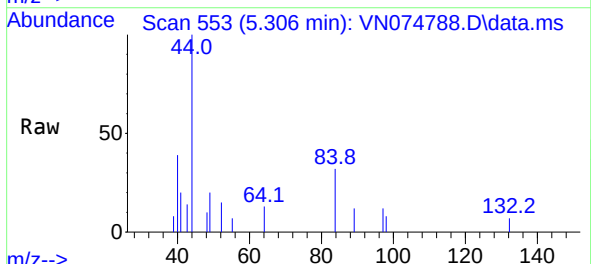
Instrument :
MSVOA_N
ClientSampleId :
MW-4

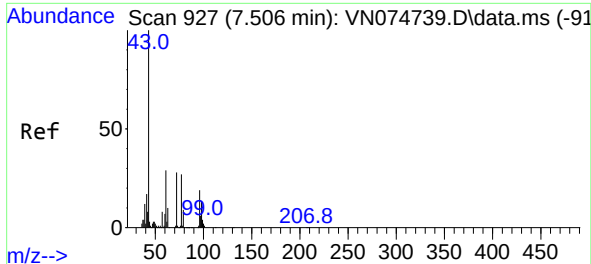
Tgt Ion: 43 Resp: 5591
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 553
Delta R.T. 0.011 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 84 Resp: 378
Ion Ratio Lower Upper
84 100
49 37.1 107.4 161.0#
51 0.0 35.1 52.7#
86 0.0 50.4 75.6#

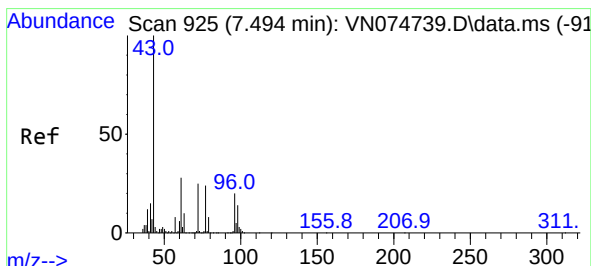
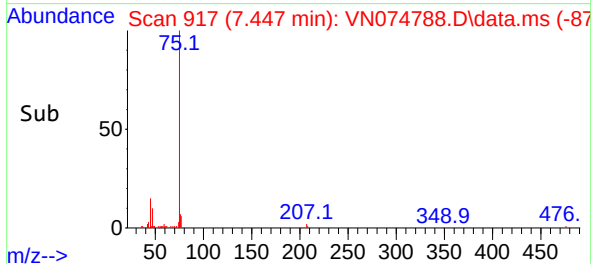
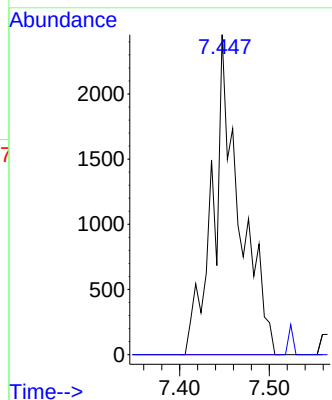
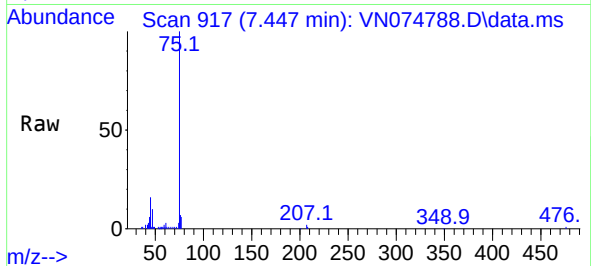




#26
2,2-Dichloropropane
Concen: 0.557 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.059 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

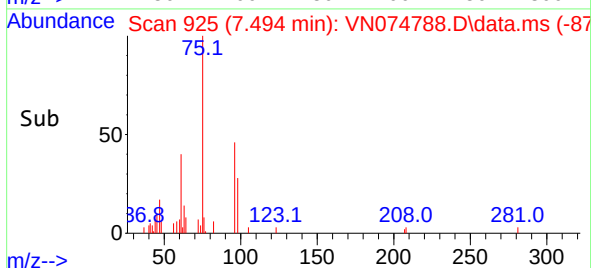
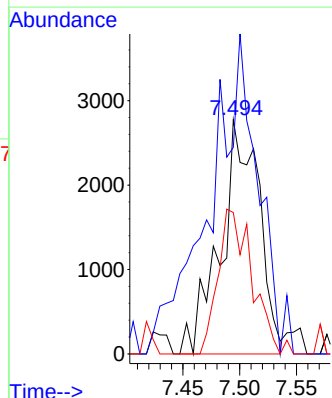
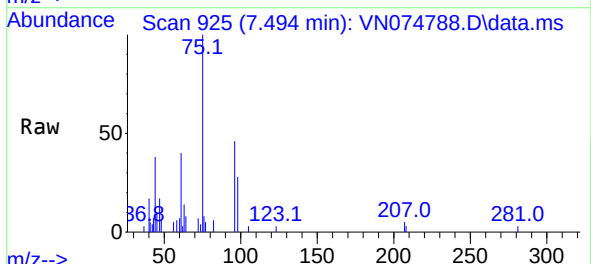
Instrument :
MSVOA_N
ClientSampleId :
MW-4

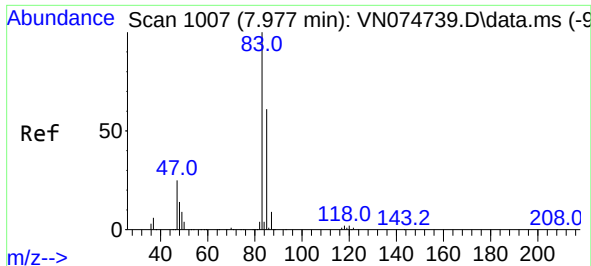
Tgt Ion: 77 Resp: 5073
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#



#27
cis-1,2-Dichloroethene
Concen: 1.043 ug/l
RT: 7.494 min Scan# 925
Delta R.T. -0.000 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 96 Resp: 6517
Ion Ratio Lower Upper
96 100
61 173.1 0.0 303.2
98 54.9 0.0 131.0





#30

Chloroform

Concen: 0.839 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.006 min

Lab File: VN074788.D

Acq: 06 Oct 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

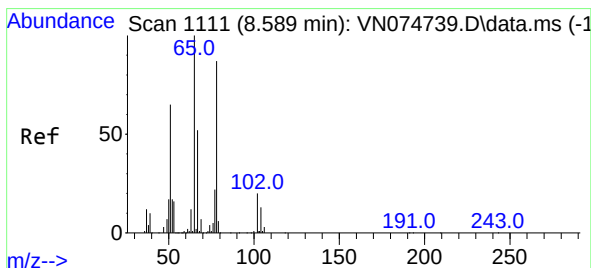
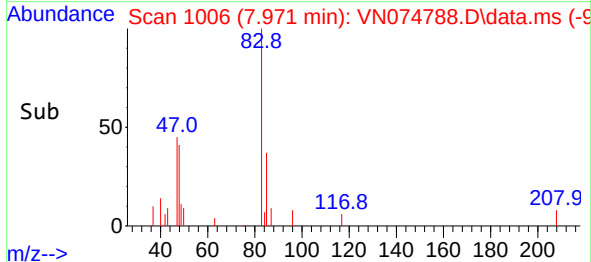
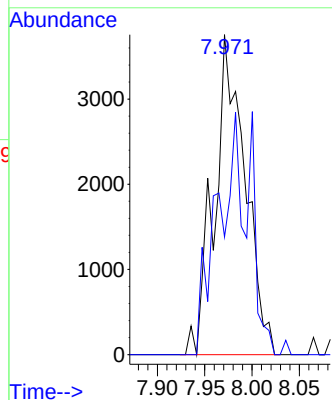
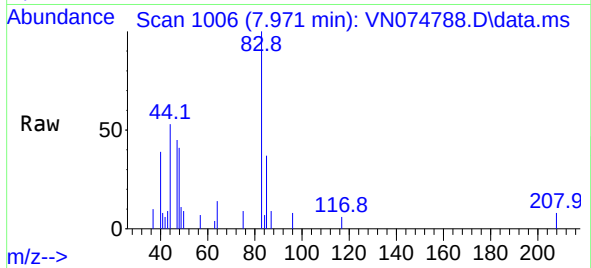
MW-4

Tgt Ion: 83 Resp: 8486

Ion Ratio Lower Upper

83 100

85 36.8 49.0 73.4#



#33

1,2-Dichloroethane-d4

Concen: 55.221 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074788.D

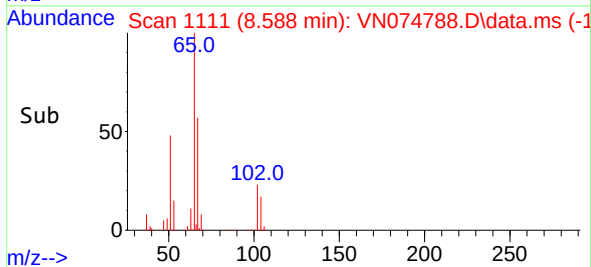
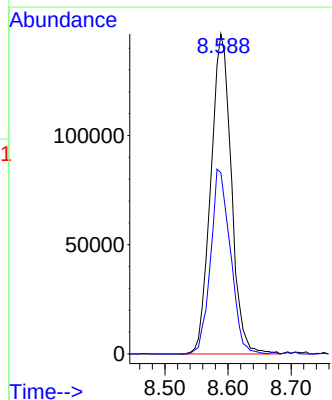
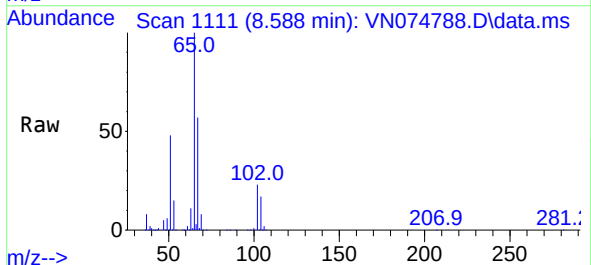
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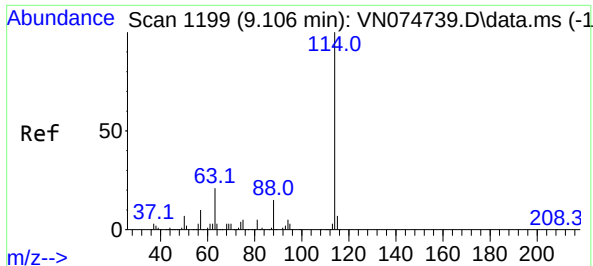
Tgt Ion: 65 Resp: 330899

Ion Ratio Lower Upper

65 100

67 55.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074788.D

Acq: 06 Oct 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

MW-4

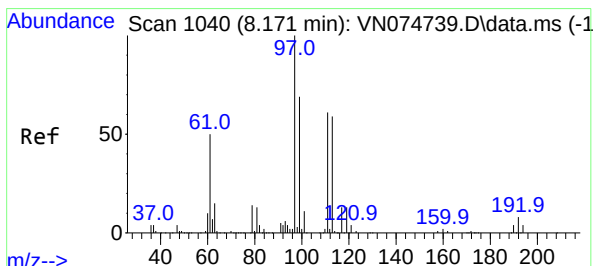
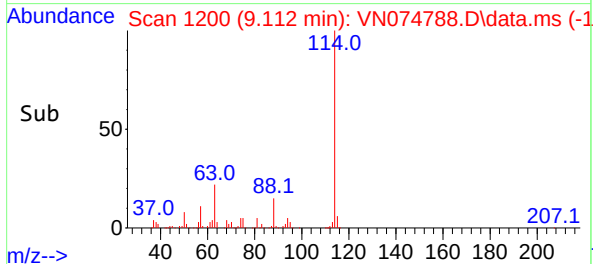
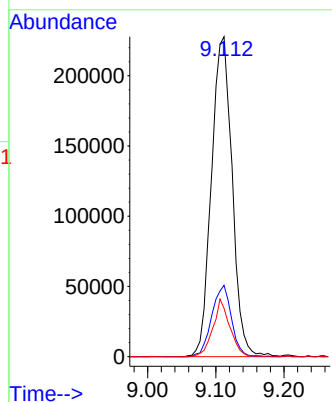
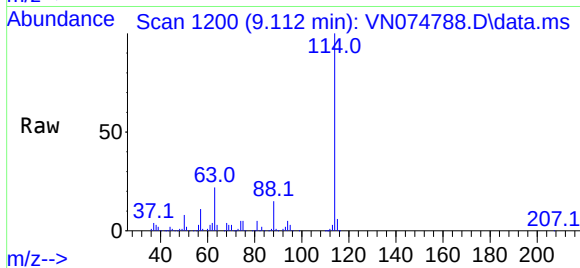
Tgt Ion:114 Resp: 482511

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.2

88 15.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.645 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074788.D

Acq: 06 Oct 2022 17:04

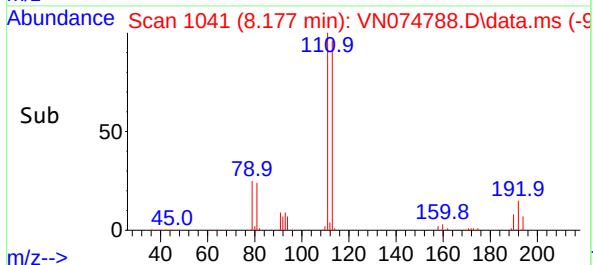
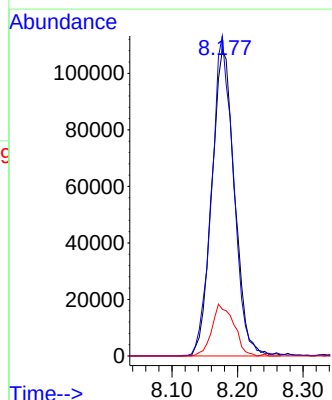
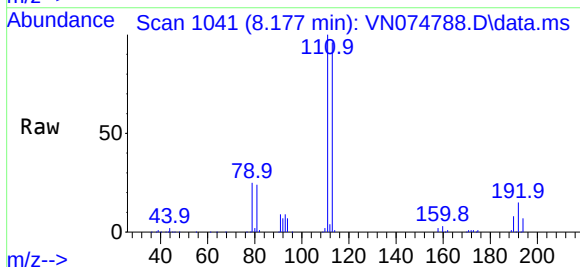
Tgt Ion:113 Resp: 261525

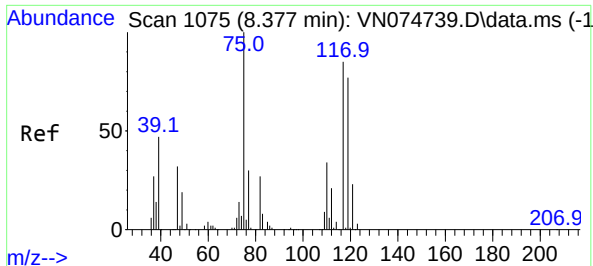
Ion Ratio Lower Upper

113 100

111 100.0 83.0 124.6

192 16.3 12.6 18.8

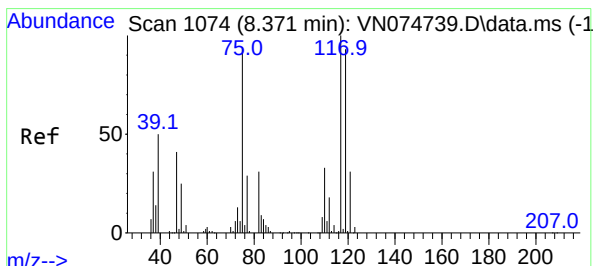
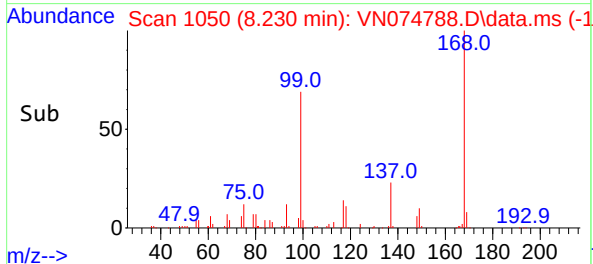
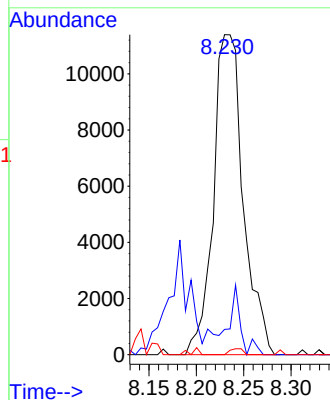
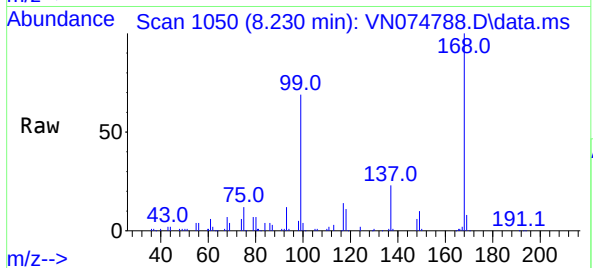




#36
1,1-Dichloropropene
Concen: 3.166 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

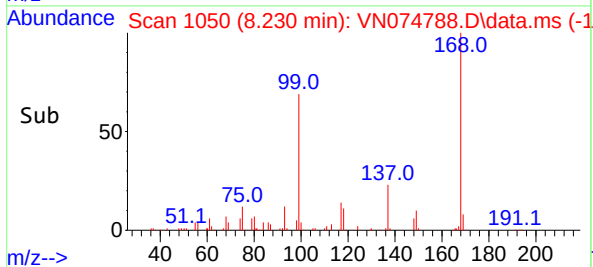
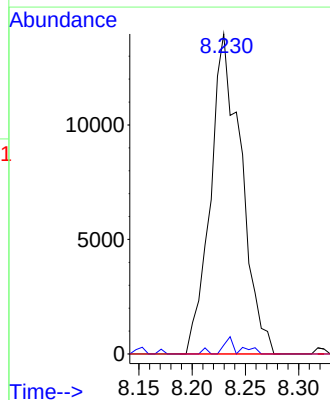
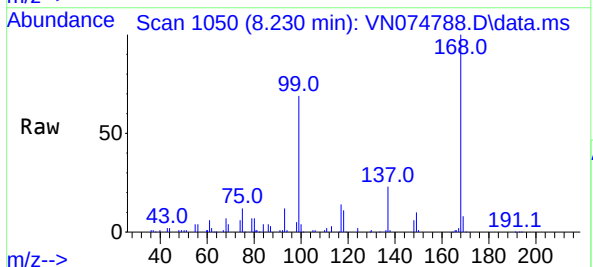
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MW-4

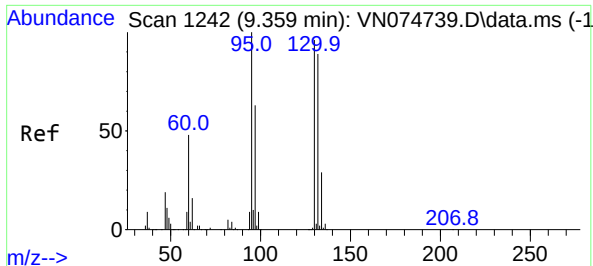
Tgt Ion: 75 Resp: 24983
Ion Ratio Lower Upper
75 100
110 8.4 17.2 51.5#
77 0.8 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 3.779 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 117 Resp: 28122
Ion Ratio Lower Upper
117 100
119 2.7 74.3 111.5#
121 0.0 25.0 37.4#

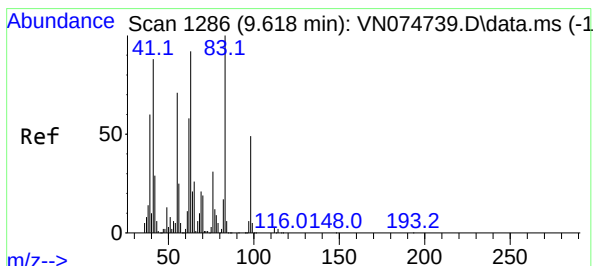
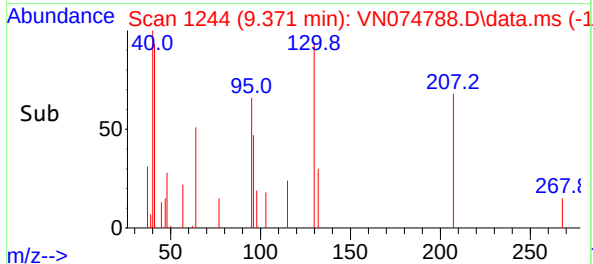
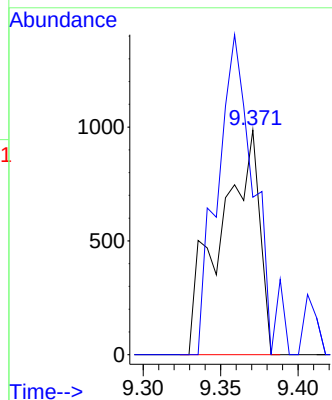
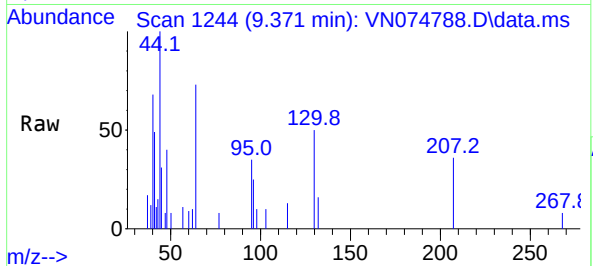




#44
Trichloroethene
Concen: 0.325 ug/l
RT: 9.371 min Scan# 1244
Delta R.T. 0.012 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

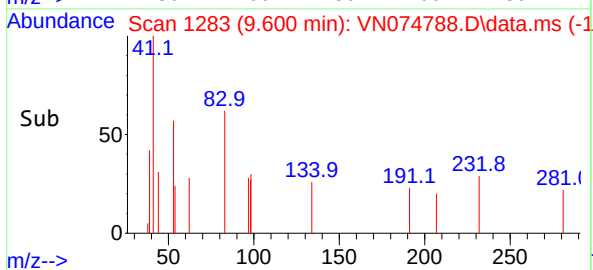
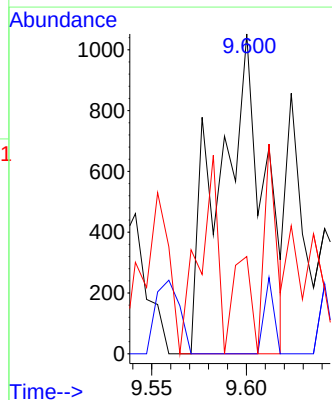
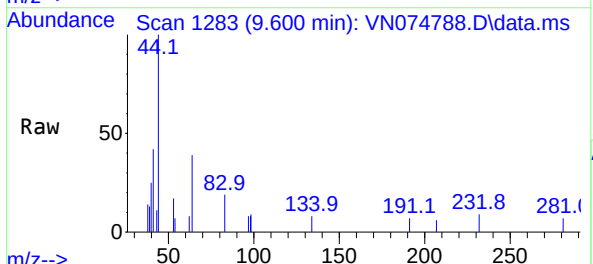
Instrument :
MSVOA_N
ClientSampleId :
MW-4

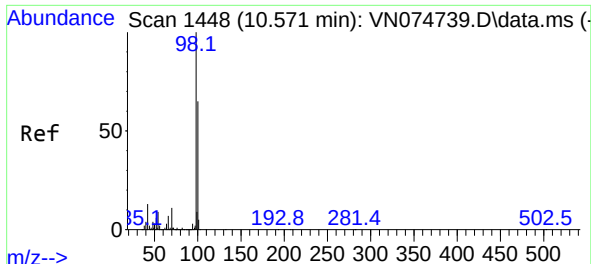
Tgt Ion:130 Resp: 1729
Ion Ratio Lower Upper
130 100
95 70.1 0.0 207.6



#48
Methyl methacrylate
Concen: 0.217 ug/l
RT: 9.600 min Scan# 1283
Delta R.T. -0.018 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 41 Resp: 1746
Ion Ratio Lower Upper
41 100
69 5.1 0.0 0.0#
39 48.9 54.4 81.6#

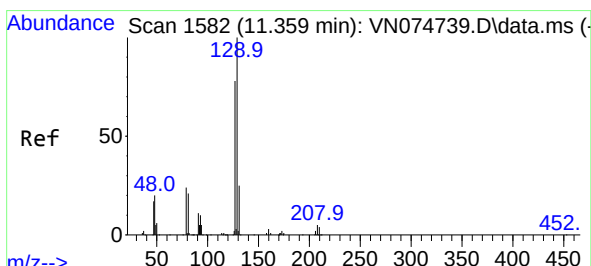
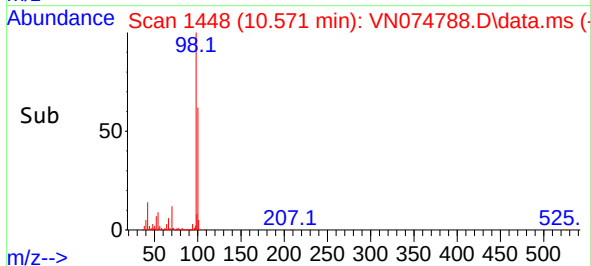
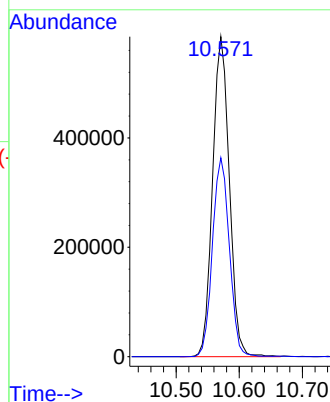
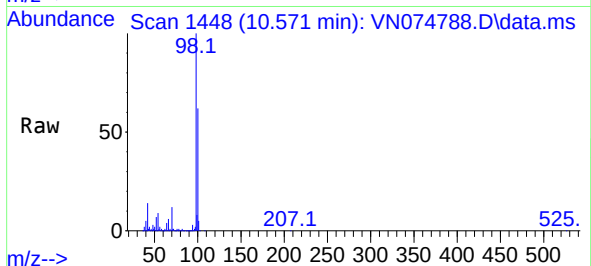




#50
Toluene-d8
Concen: 51.467 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

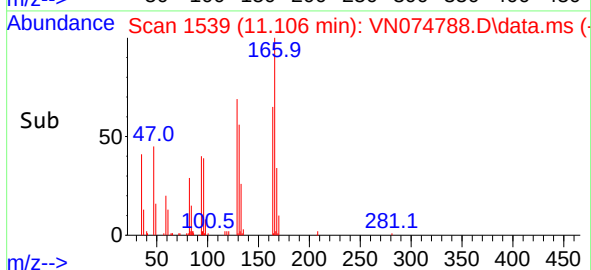
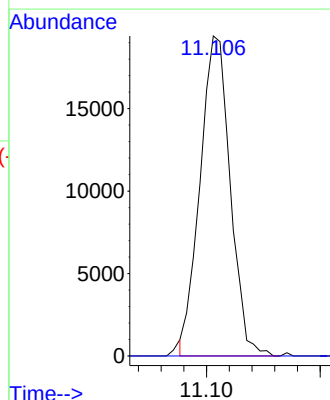
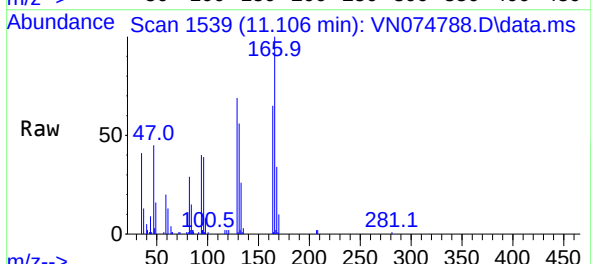
Instrument :
MSVOA_N
ClientSampleId :
MW-4

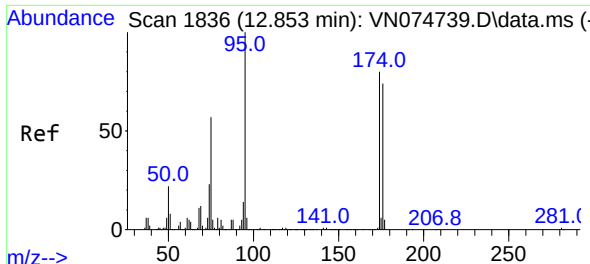
Tgt Ion: 98 Resp: 1076614
Ion Ratio Lower Upper
98 100
100 62.8 50.7 76.1



#60
Dibromochloromethane
Concen: 5.894 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.253 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion:129 Resp: 35826
Ion Ratio Lower Upper
129 100
127 0.0 39.5 118.3#

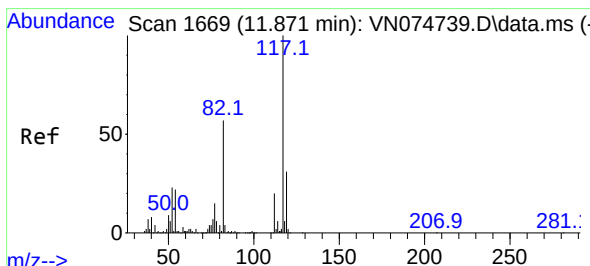
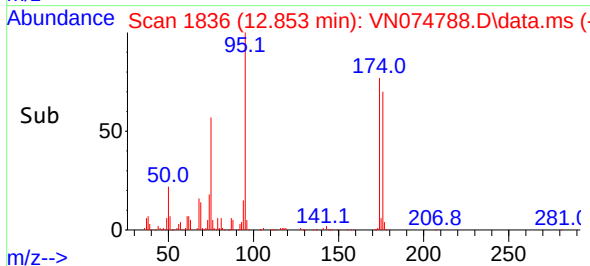
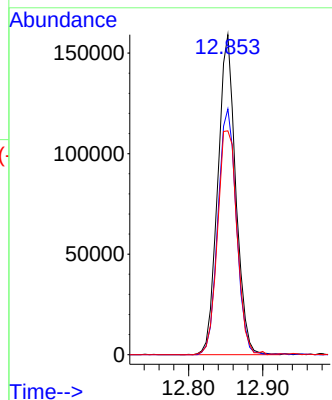
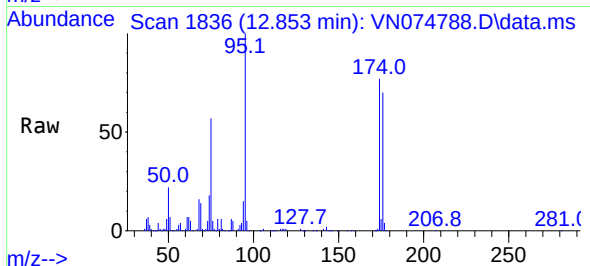




#62
4-Bromofluorobenzene
Concen: 42.076 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

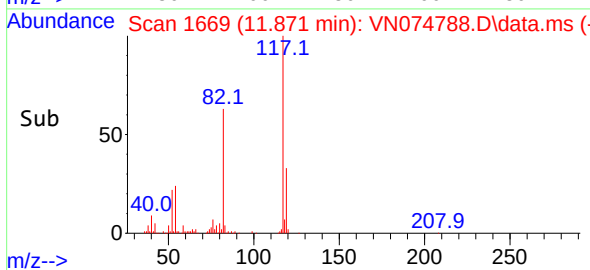
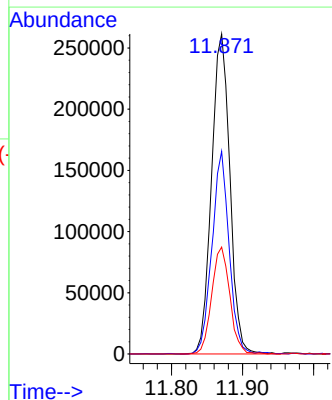
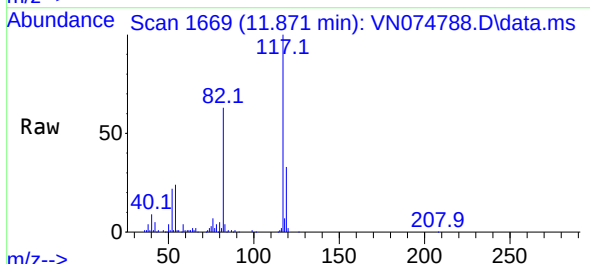
Instrument :
MSVOA_N
ClientSampleId :
MW-4

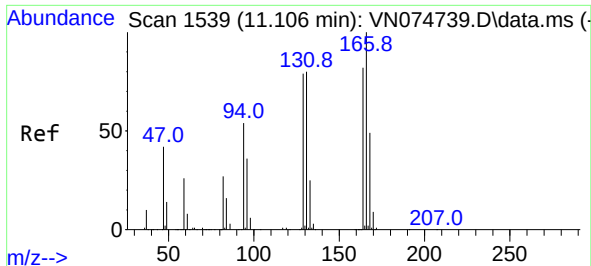
Tgt Ion: 95 Resp: 267553
Ion Ratio Lower Upper
95 100
174 78.4 0.0 149.4
176 76.2 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 117 Resp: 467788
Ion Ratio Lower Upper
117 100
82 63.3 45.4 68.2
119 33.4 25.1 37.7



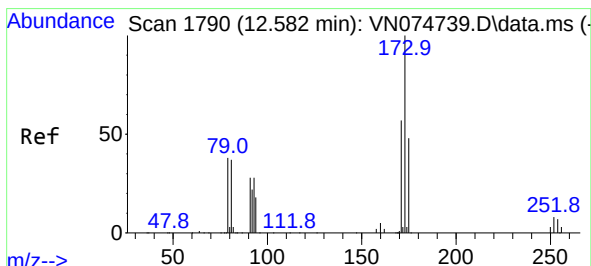
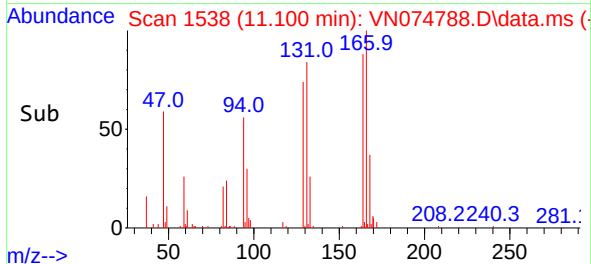
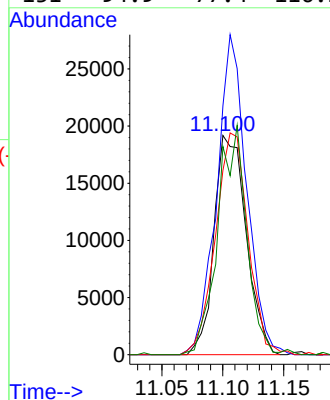
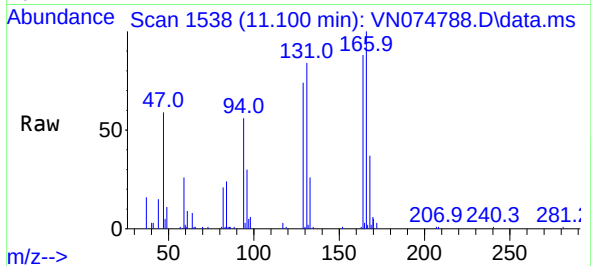


#64
Tetrachloroethene
Concen: 9.251 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tgt Ion:164 Resp: 35129

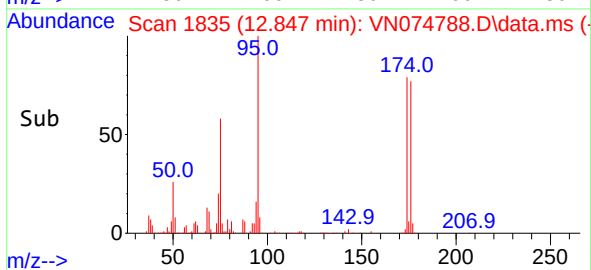
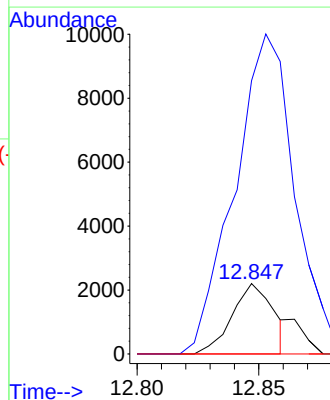
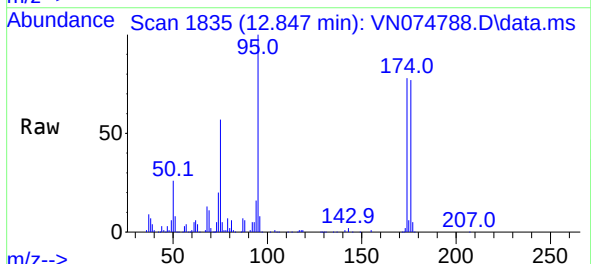
Ion	Ratio	Lower	Upper
164	100		
166	113.5	97.0	145.6
129	84.1	77.0	115.6
131	94.9	77.4	116.2

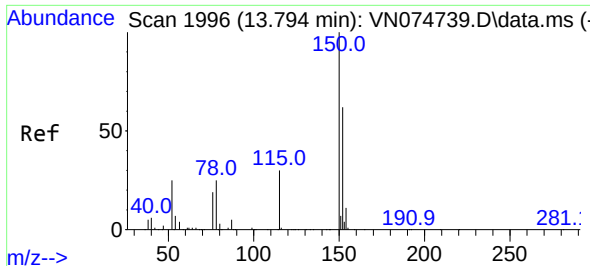


#71
Bromoform
Concen: 0.654 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion:173 Resp: 2612

Ion	Ratio	Lower	Upper
173	100		
175	529.7	23.9	71.7#
254	0.0	0.1	0.1#

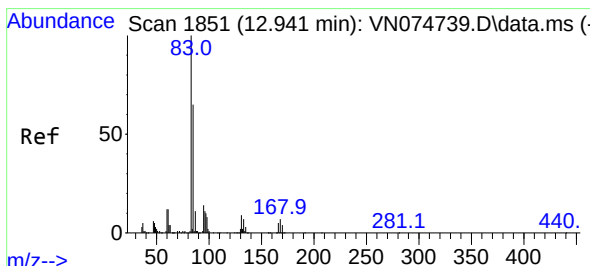
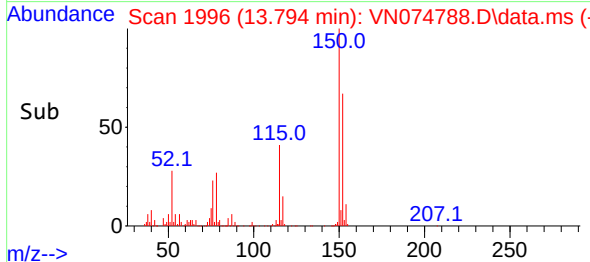
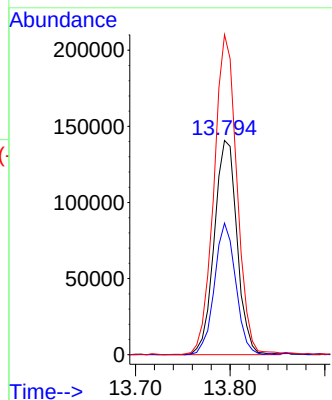
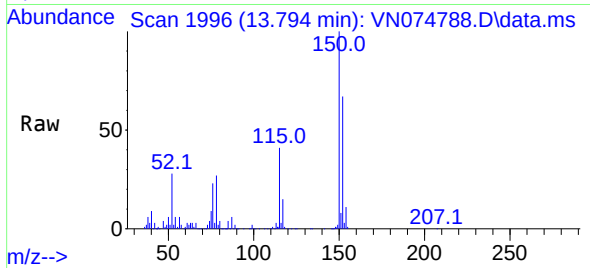




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074788.D
 Acq: 06 Oct 2022 17:04

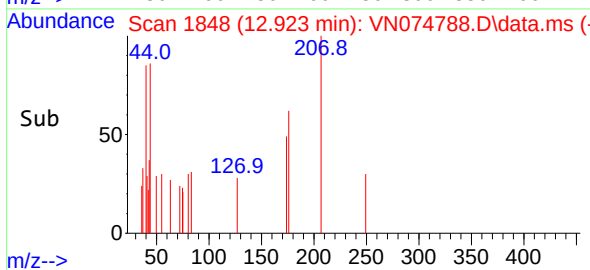
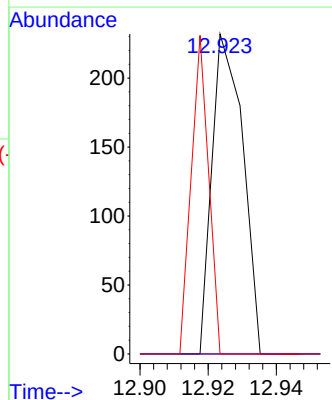
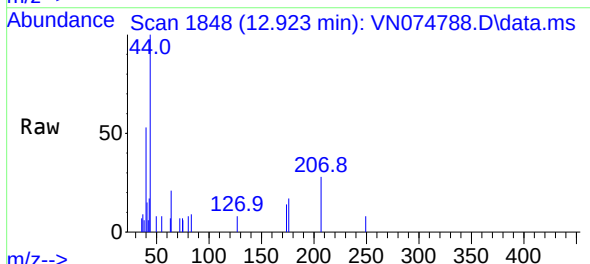
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

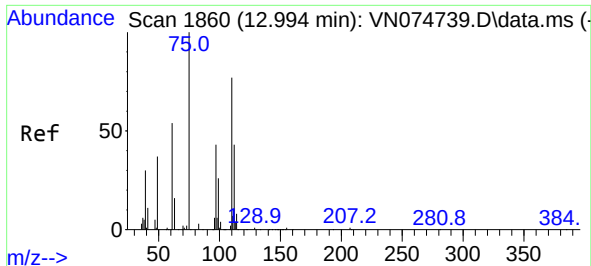
Tgt Ion:152 Resp: 235516
 Ion Ratio Lower Upper
 152 100
 115 57.5 30.0 90.0
 150 151.6 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.923 min Scan# 1848
 Delta R.T. -0.018 min
 Lab File: VN074788.D
 Acq: 06 Oct 2022 17:04

Tgt Ion: 83 Resp: 145
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 56.6 32.9 98.6

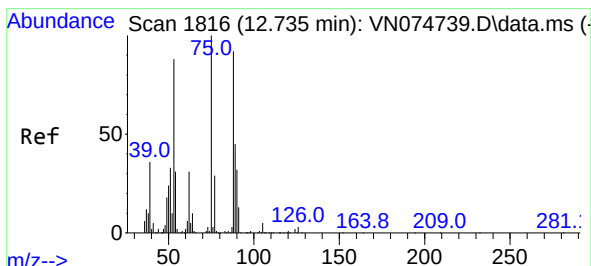
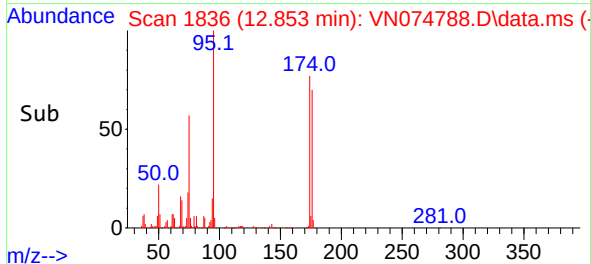
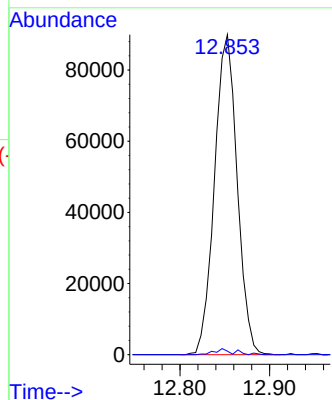
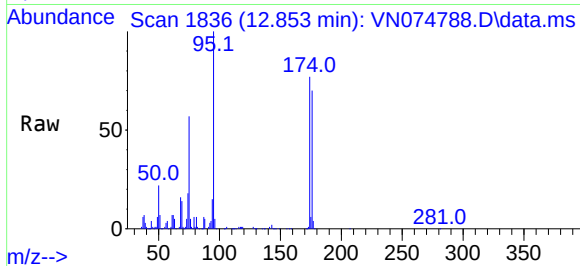




#76
1,2,3-Trichloropropane
Concen: 22.420 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

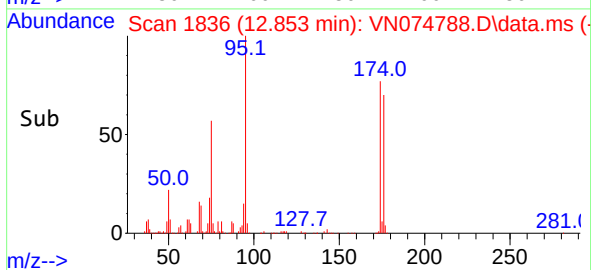
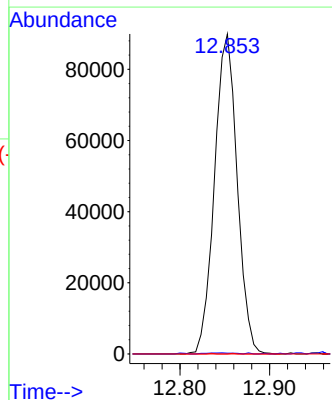
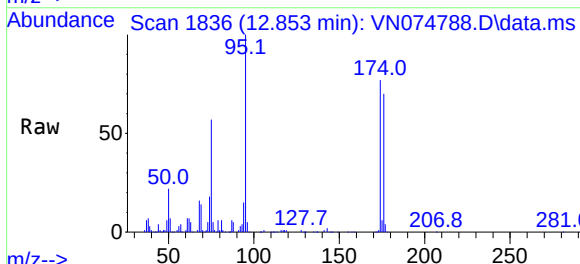
Instrument :
MSVOA_N
ClientSampleId :
MW-4

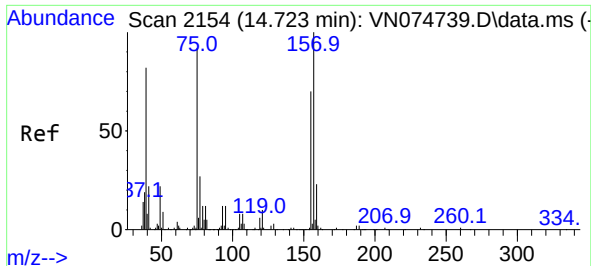
Tgt Ion: 75 Resp: 157598
Ion Ratio Lower Upper
75 100
77 1.1 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.681 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 75 Resp: 157598
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.0#
89 0.0 32.1 48.1#

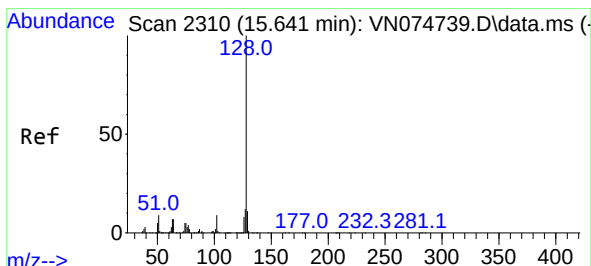
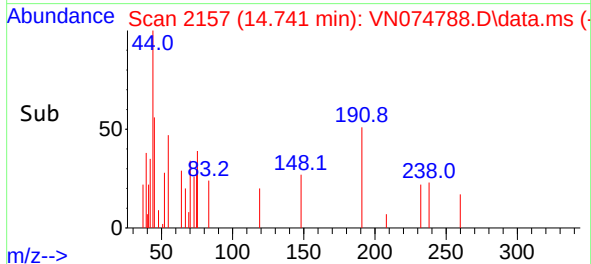
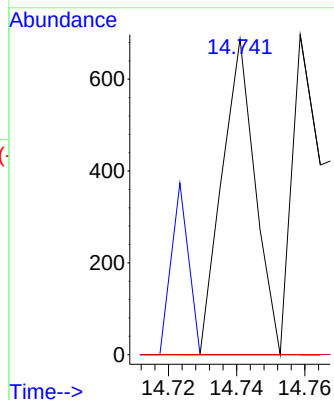
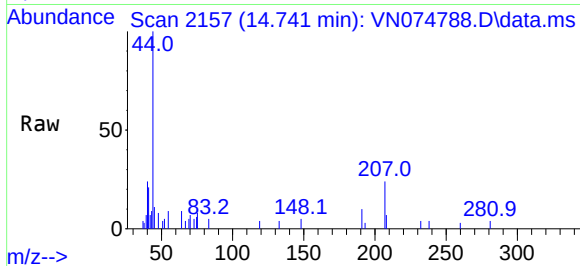




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.249 ug/l
RT: 14.741 min Scan# 2157
Delta R.T. 0.018 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

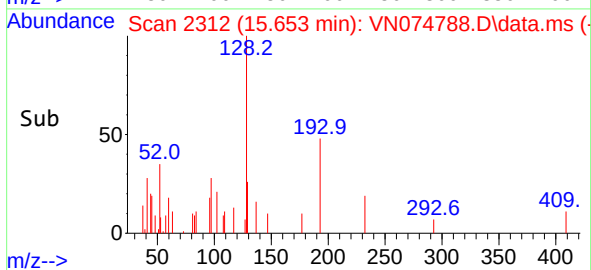
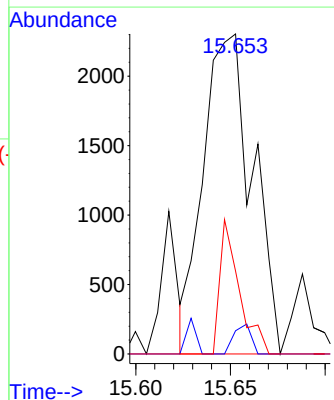
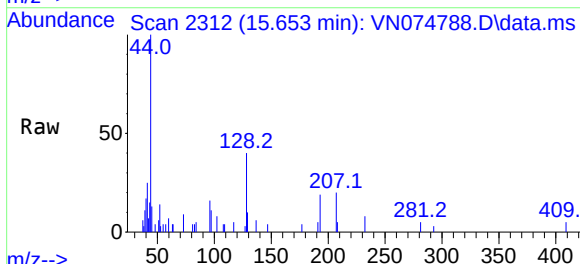
Instrument :
MSVOA_N
ClientSampleId :
MW-4

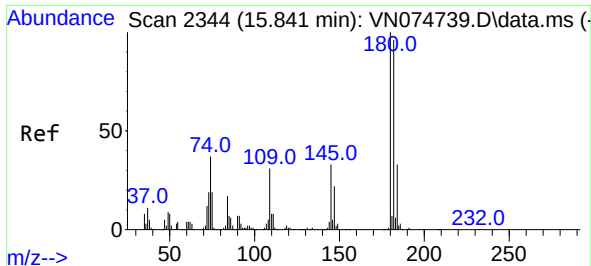
Tgt Ion: 75 Resp: 467
Ion Ratio Lower Upper
75 100
155 28.3 40.3 120.8#
157 0.0 51.3 153.9#



#95
Naphthalene
Concen: 0.255 ug/l
RT: 15.653 min Scan# 2312
Delta R.T. 0.012 min
Lab File: VN074788.D
Acq: 06 Oct 2022 17:04

Tgt Ion: 128 Resp: 4171
Ion Ratio Lower Upper
128 100
127 3.2 10.2 15.2#
129 16.6 9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074788.D
 Acq: 06 Oct 2022 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tgt Ion:180 Resp: 182
 Ion Ratio Lower Upper
 180 100
 182 35.7 47.3 142.0#
 145 0.0 17.1 51.2#

