

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074989.D
 Acq On : 24 Oct 2022 17:25
 Operator : JC\MD
 Sample : N5222-17RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15RE

Quant Time: Oct 25 06:51:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

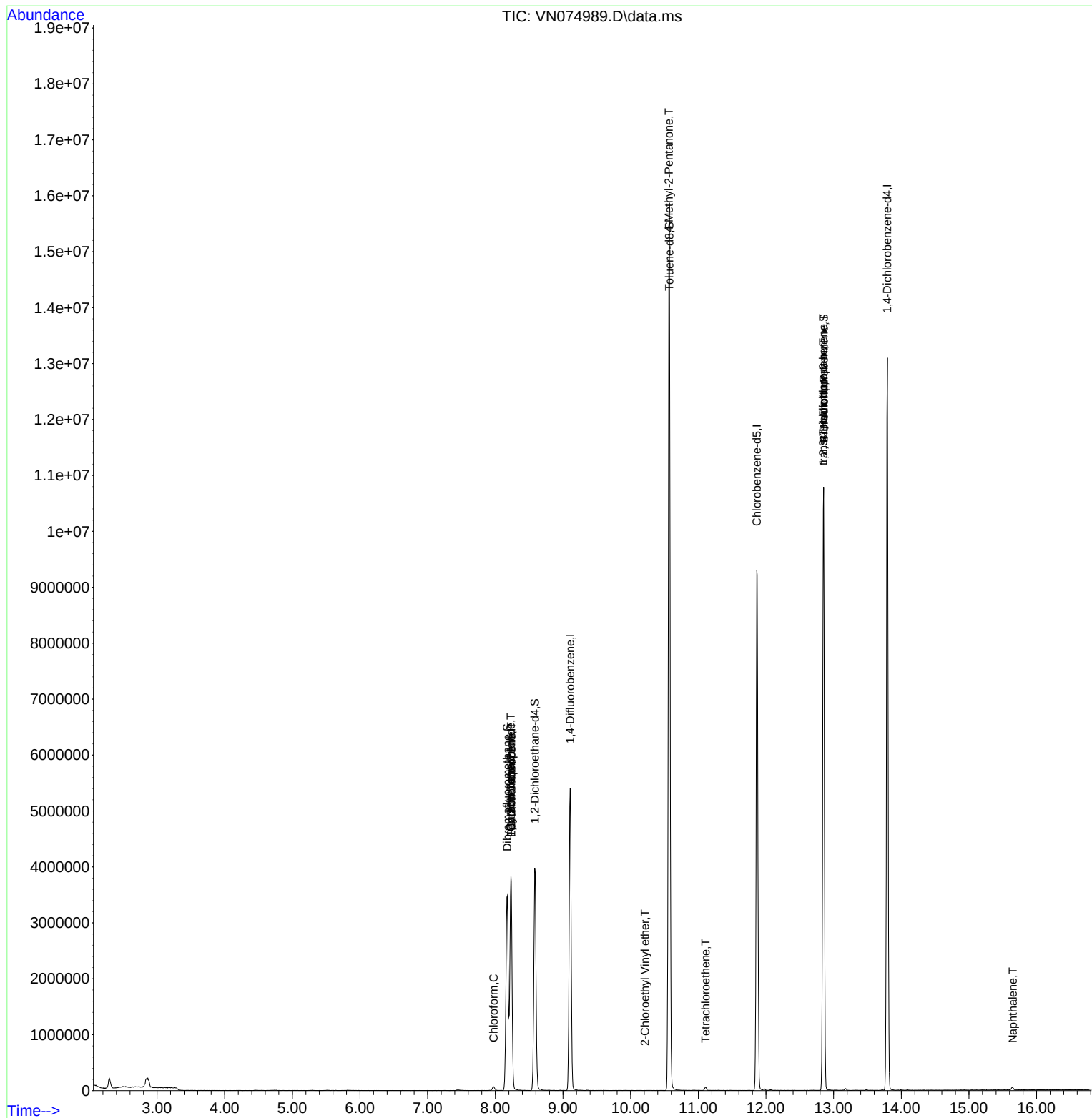
Internal Standards						
1) Pentafluorobenzene	8.235	168	2707742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4754431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	5282437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3308555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	3217524	44.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.440%		
35) Dibromofluoromethane	8.177	113	2454013	43.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.720%		
50) Toluene-d8	10.570	98	10971623	50.532	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.060%		
62) 4-Bromofluorobenzene	12.853	95	3698170	48.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.580%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3057	Below Cal	#	68
4) Vinyl Chloride	2.512	62	639	Below Cal	#	74
5) Bromomethane	2.936	94	3085	Below Cal		89
6) Chloroethane	3.253	64	10894	Below Cal	#	66
7) Trichlorofluoromethane	3.377	101	59	Below Cal	#	18
9) 1,1,2-Trichlorotrifluo...	4.365	101	73	Below Cal	#	19
12) 1,1-Dichloroethene	4.447	96	109	Below Cal	#	1
13) Acrolein	4.194	56	393	Below Cal	#	1
16) Acetone	4.459	43	6191	Below Cal		92
17) Carbon Disulfide	4.712	76	415	Below Cal	#	74
20) Methylene Chloride	5.294	84	1443	Below Cal	#	53
21) trans-1,2-Dichloroethene	5.812	96	280	Below Cal	#	1
30) Chloroform	7.977	83	61188	0.581	ug/l	94
31) Cyclohexane	8.229	56	69721	0.949	ug/l #	45
36) 1,1-Dichloropropene	8.235	75	242750	3.406	ug/l #	48
38) Carbon Tetrachloride	8.229	117	298373	3.846	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	44288	0.514	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.212	63	71	3.611	ug/l #	45
64) Tetrachloroethene	11.106	164	12225	0.283	ug/l	84
71) Bromoform	12.853	173	29498	0.649	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	2030658	22.632	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	2030658	72.564	ug/l #	10
95) Naphthalene	15.647	128	41141	0.205	ug/l	95

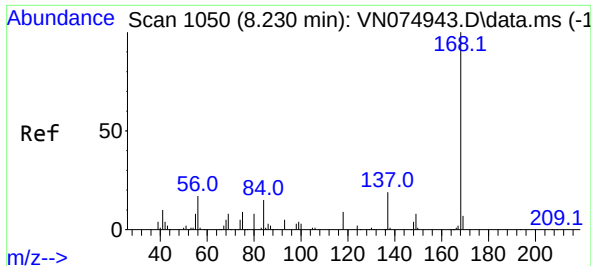
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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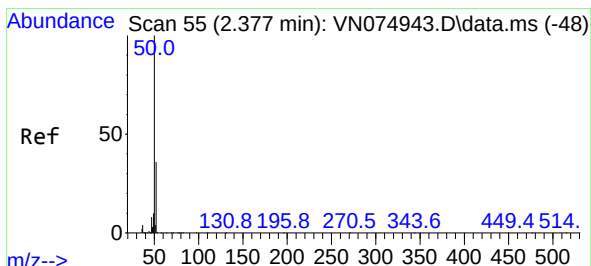
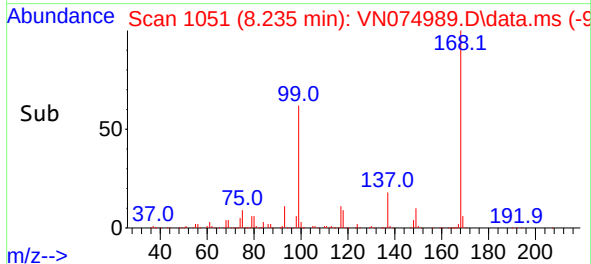
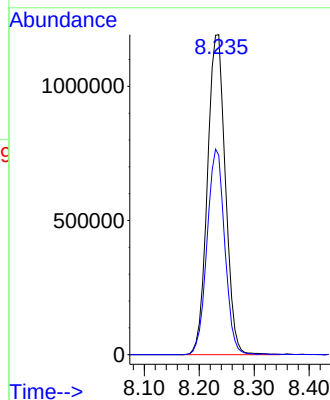
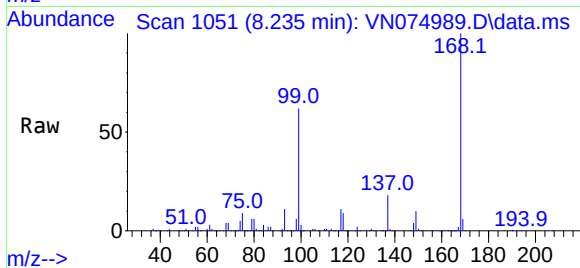




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

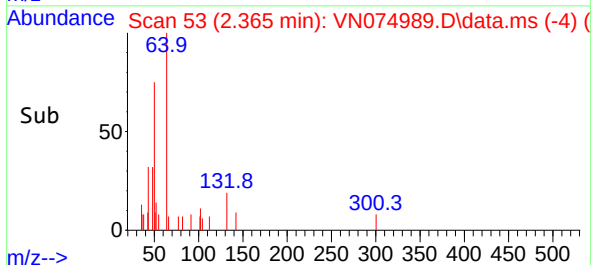
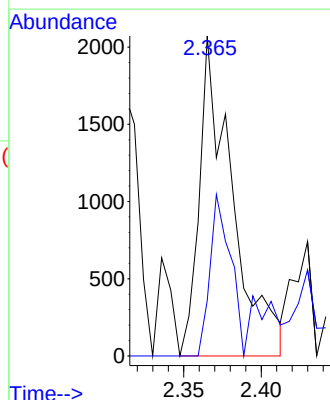
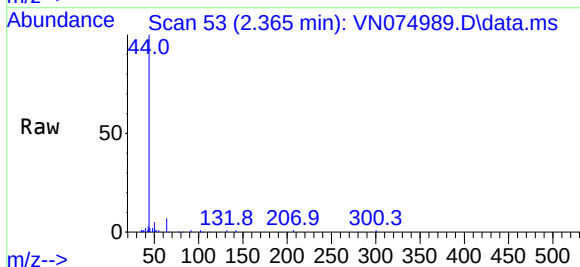
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

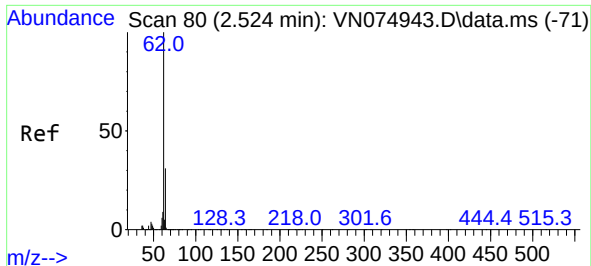
Tgt Ion:168 Resp: 2707742
Ion Ratio Lower Upper
168 100
99 62.3 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 53
Delta R.T. -0.012 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 50 Resp: 3057
Ion Ratio Lower Upper
50 100
52 17.3 28.8 43.2#

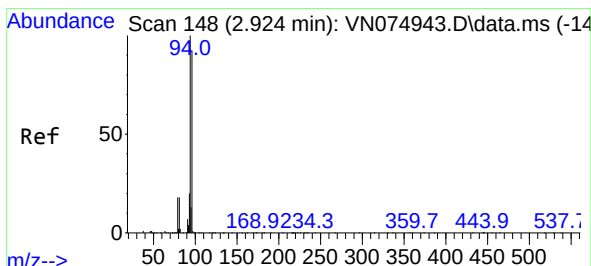
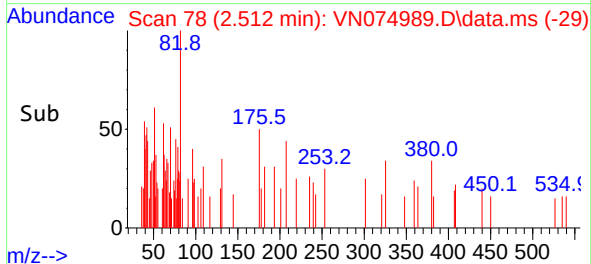
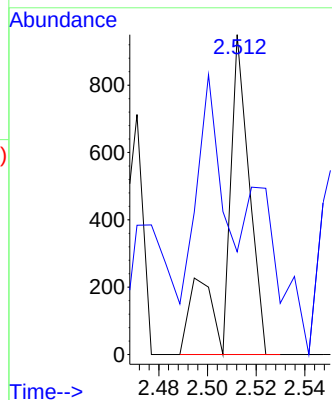
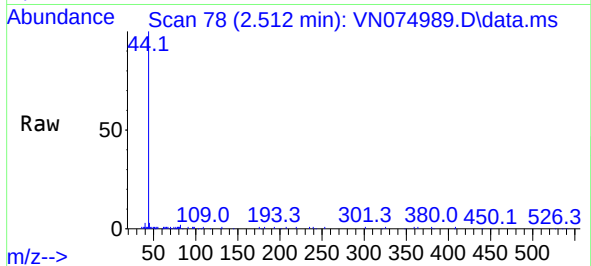




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.512 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: VN074989.D
 Acq: 24 Oct 2022 17:25

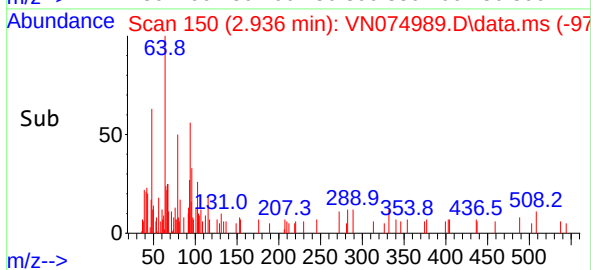
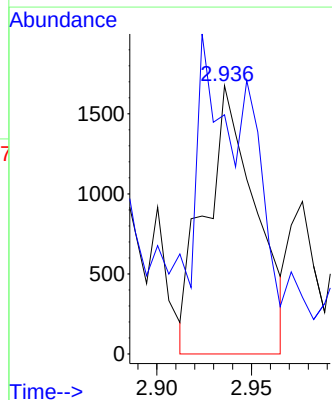
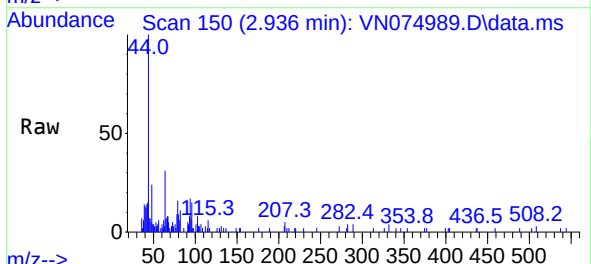
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15RE

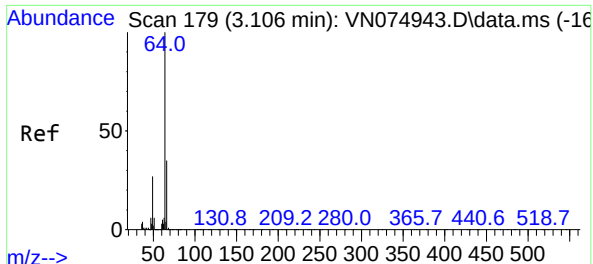
Tgt Ion: 62 Resp: 639
 Ion Ratio Lower Upper
 62 100
 64 16.3 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.936 min Scan# 150
 Delta R.T. 0.012 min
 Lab File: VN074989.D
 Acq: 24 Oct 2022 17:25

Tgt Ion: 94 Resp: 3085
 Ion Ratio Lower Upper
 94 100
 96 80.9 73.5 110.3

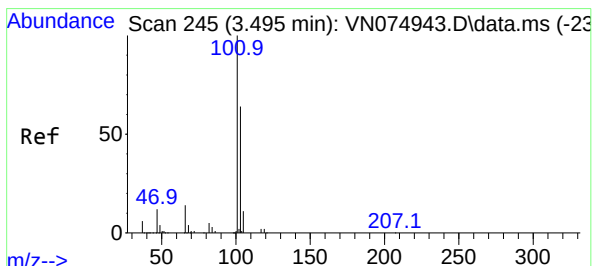
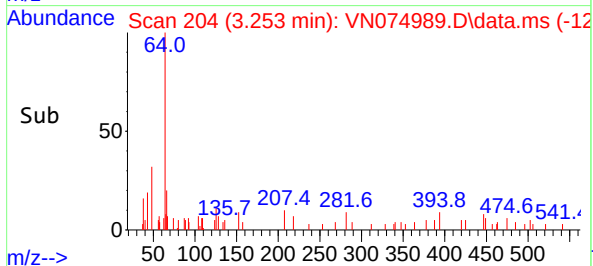
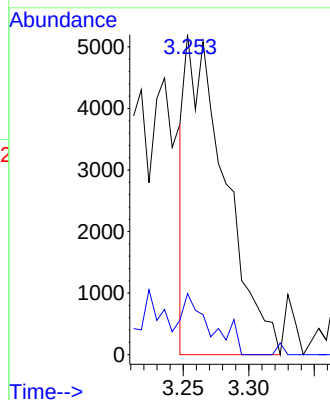
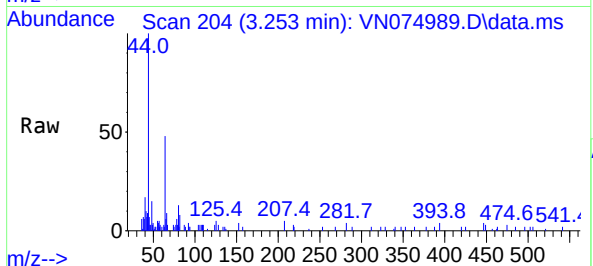




#6
Chloroethane
Concen: Below Cal
RT: 3.253 min Scan# 20
Delta R.T. 0.147 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

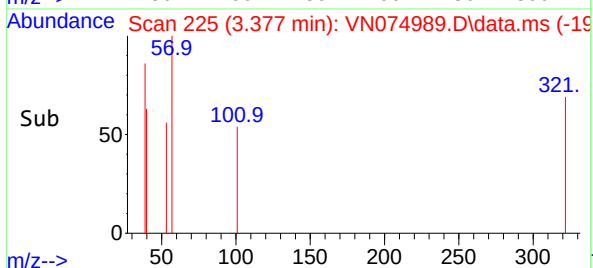
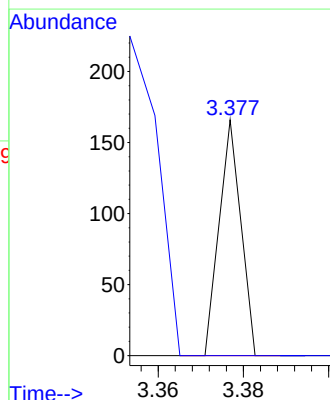
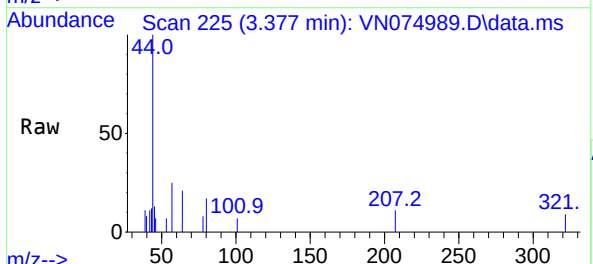
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

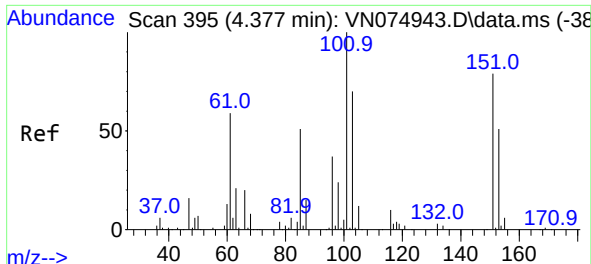
Tgt Ion: 64 Resp: 10894
Ion Ratio Lower Upper
64 100
66 15.4 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.377 min Scan# 225
Delta R.T. -0.118 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 101 Resp: 59
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

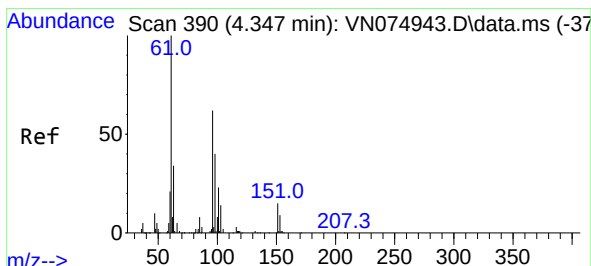
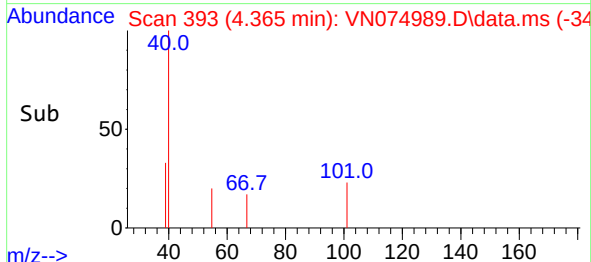
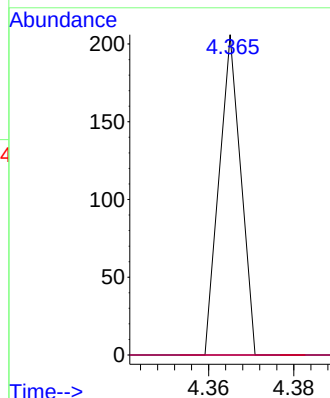
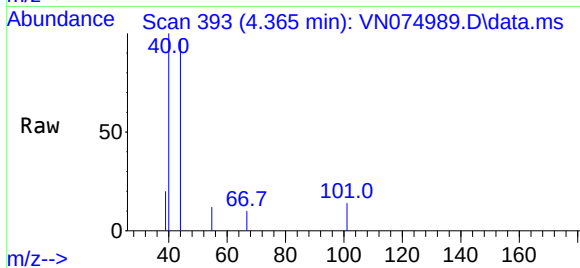




#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.365 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

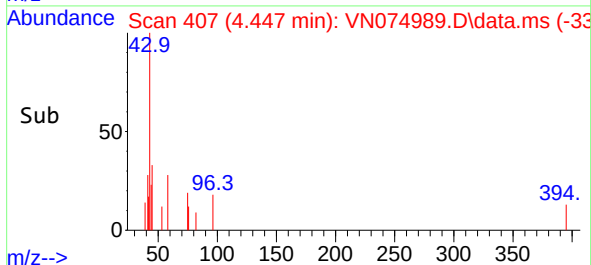
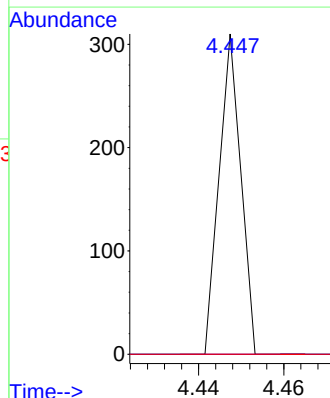
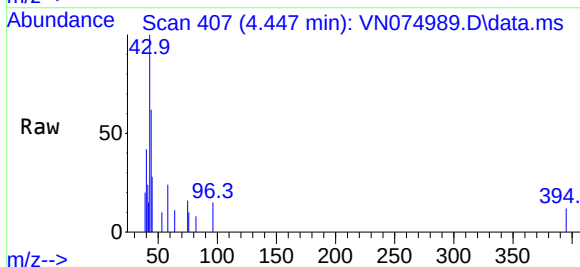
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

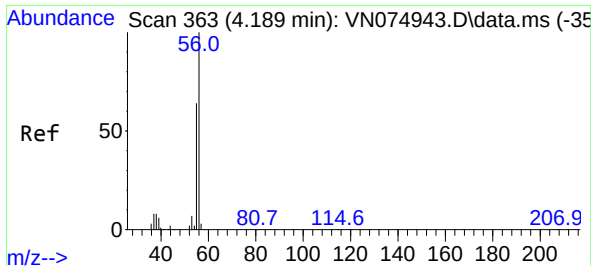
Tgt Ion:101 Resp: 73
Ion Ratio Lower Upper
101 100
85 0.0 37.8 56.8#
151 0.0 58.5 87.7#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.447 min Scan# 407
Delta R.T. 0.100 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 96 Resp: 109
Ion Ratio Lower Upper
96 100
61 0.0 128.9 193.3#
98 0.0 51.8 77.8#

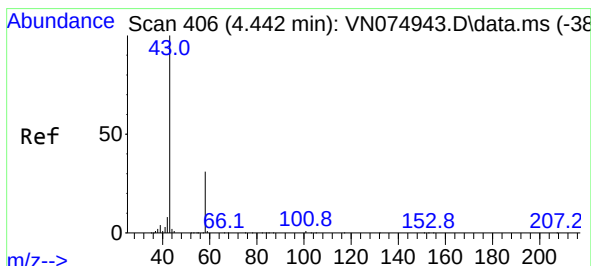
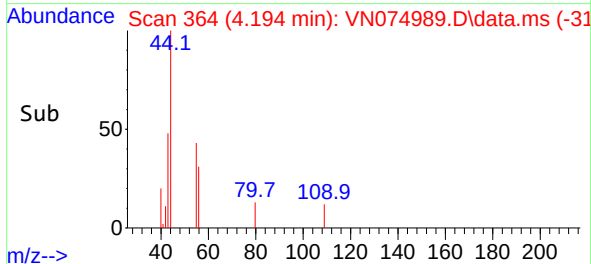
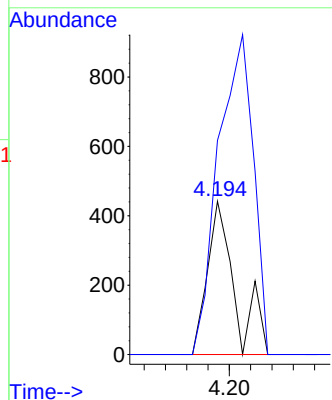
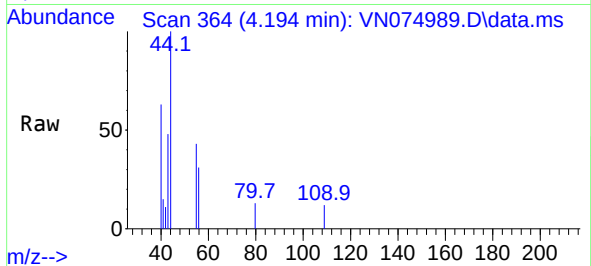




#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 30
Delta R.T. 0.005 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

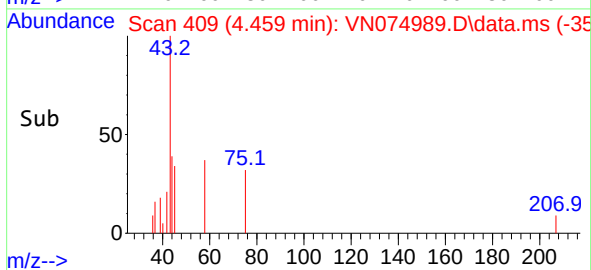
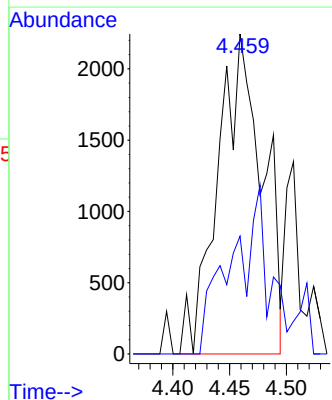
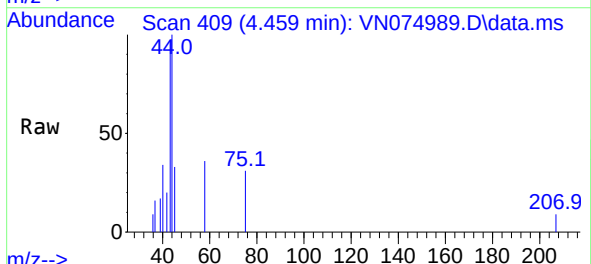
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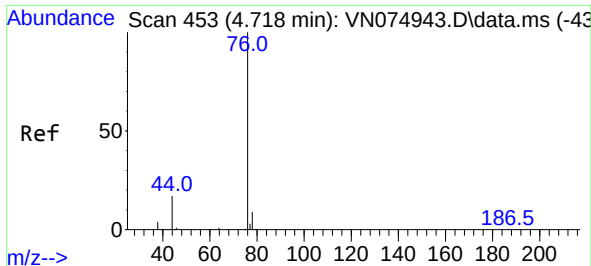
Tgt Ion: 56 Resp: 393
Ion Ratio Lower Upper
56 100
55 267.9 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 43 Resp: 6191
Ion Ratio Lower Upper
43 100
58 36.8 25.7 38.5

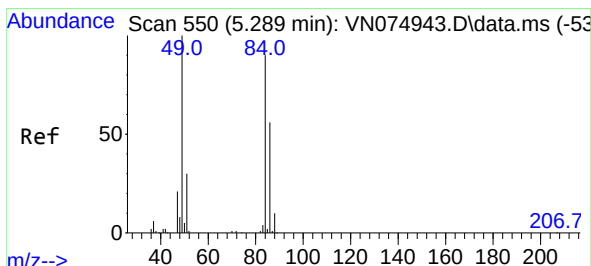
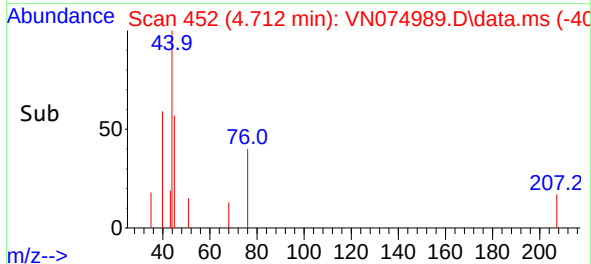
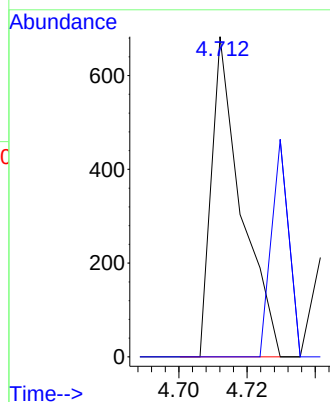
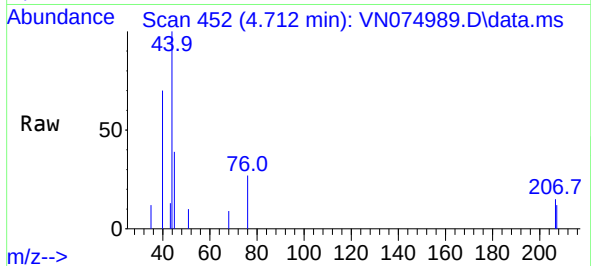




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.712 min Scan# 415
Delta R.T. -0.006 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

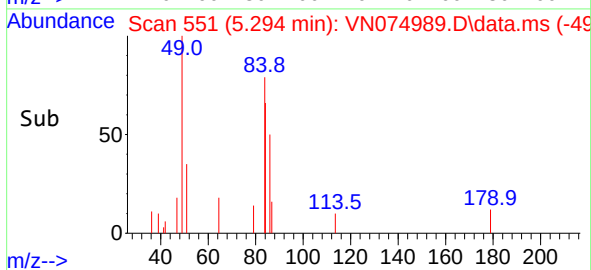
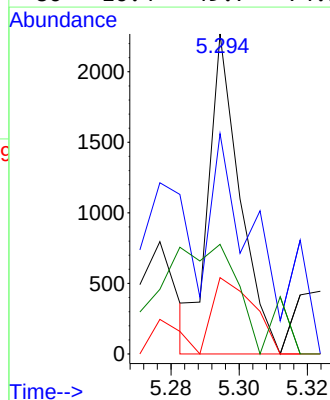
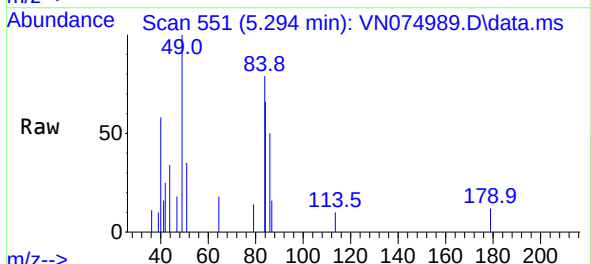
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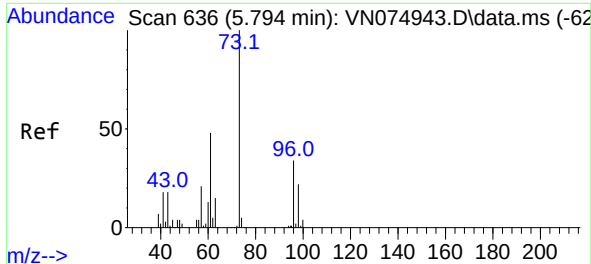
Tgt Ion: 76 Resp: 415
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 84 Resp: 1443
Ion Ratio Lower Upper
84 100
49 58.5 88.6 133.0#
51 23.9 26.7 40.1#
86 16.4 49.7 74.5#

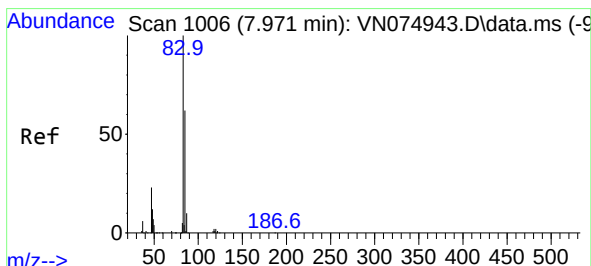
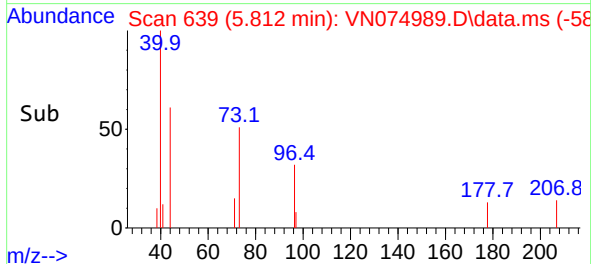
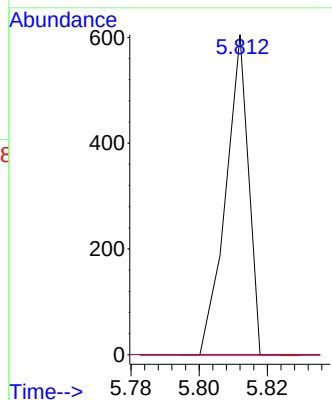
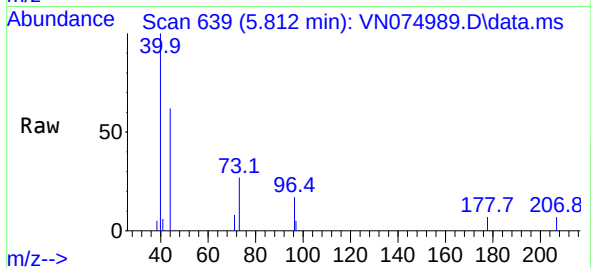




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.812 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

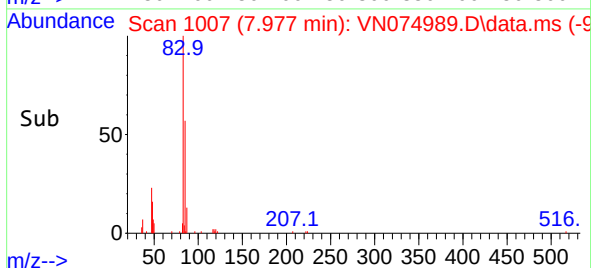
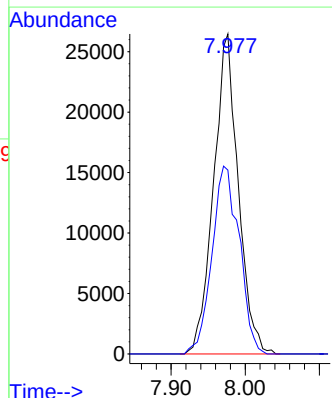
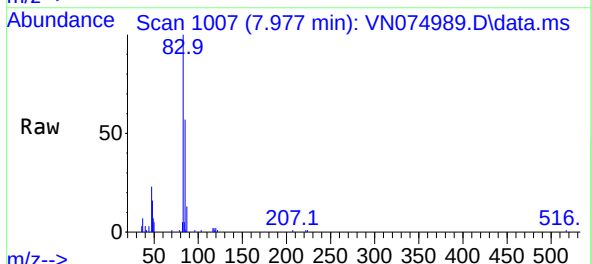
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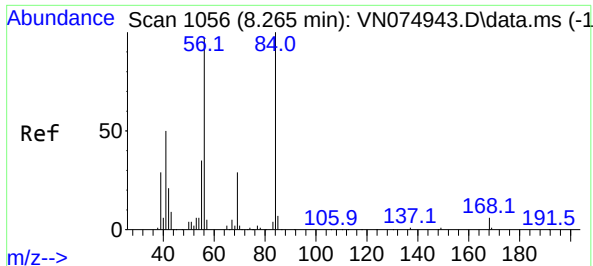
Tgt Ion: 96 Resp: 280
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#



#30
Chloroform
Concen: 0.581 ug/l
RT: 7.977 min Scan# 1007
Delta R.T. 0.006 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

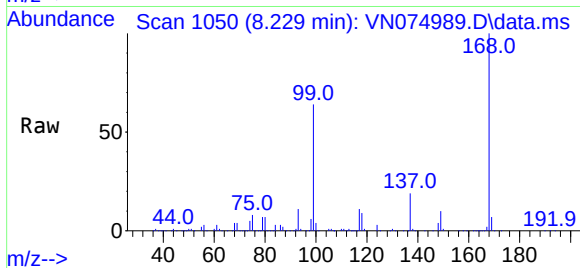
Tgt Ion: 83 Resp: 61188
Ion Ratio Lower Upper
83 100
85 57.5 49.9 74.9



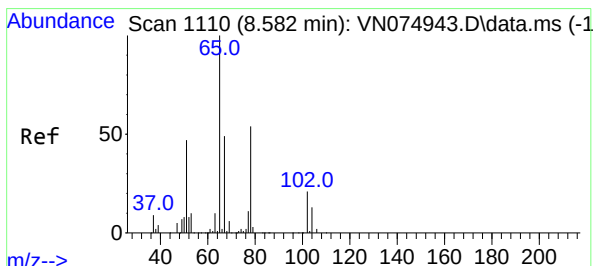
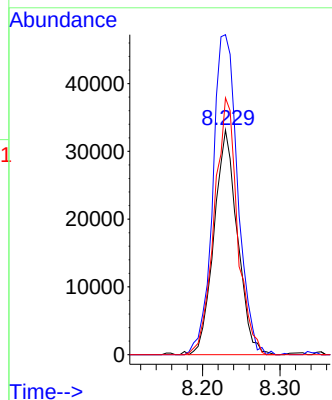
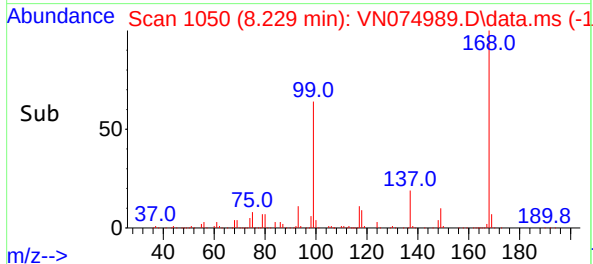


#31
Cyclohexane
Concen: 0.949 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

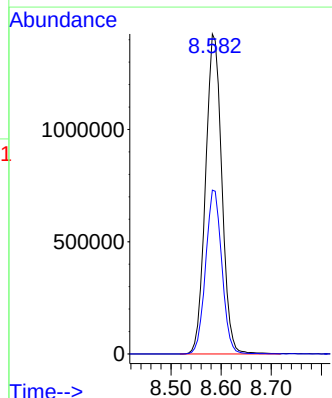
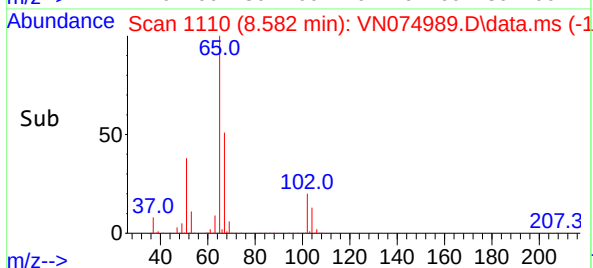
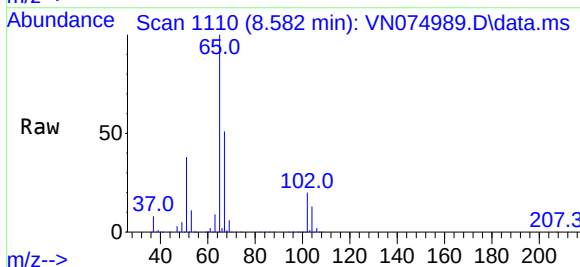


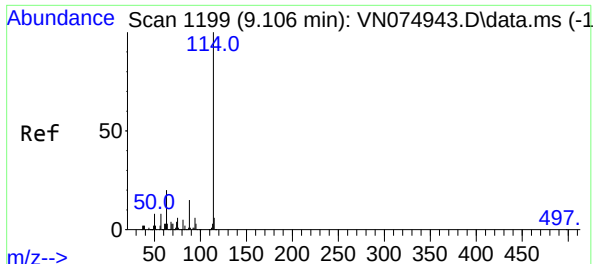
Tgt Ion: 56 Resp: 69721
Ion Ratio Lower Upper
56 100
69 142.5 24.2 36.2#
84 114.3 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 44.723 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 65 Resp: 3217524
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6

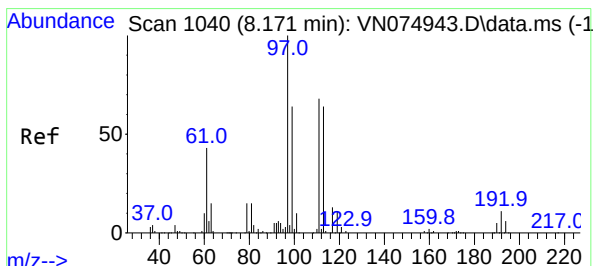
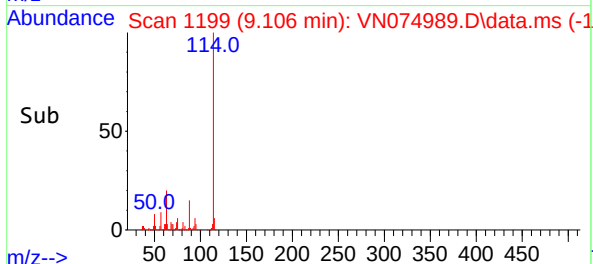
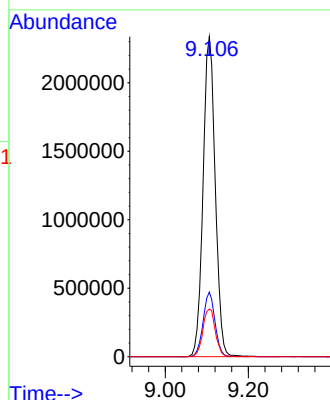
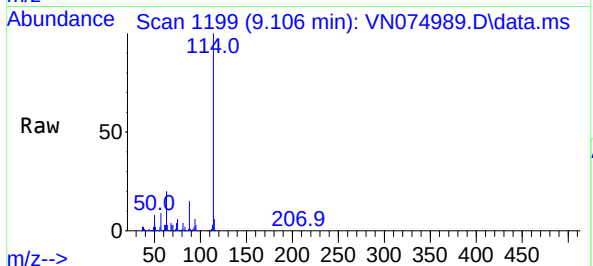




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

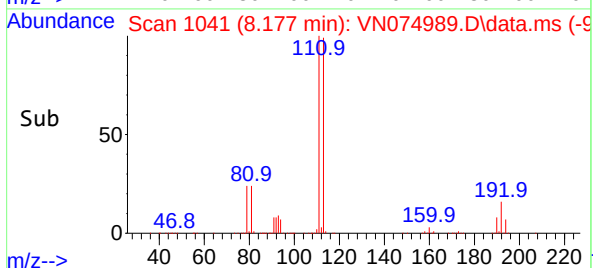
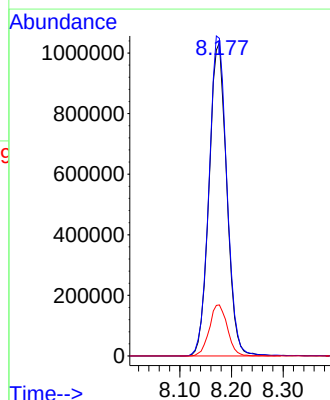
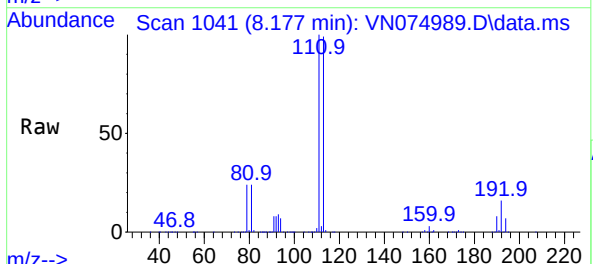
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

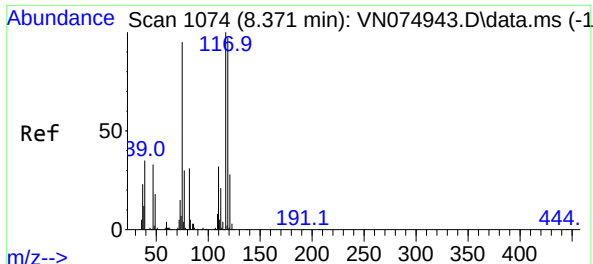
Tgt Ion:114 Resp: 4754431
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.8
88 14.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.365 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion:113 Resp: 2454013
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 16.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 3.406 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.135 min

Lab File: VN074989.D

Acq: 24 Oct 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

MW-15RE

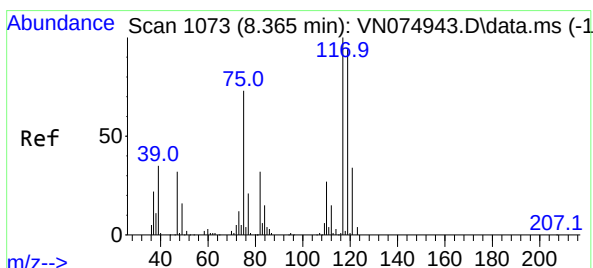
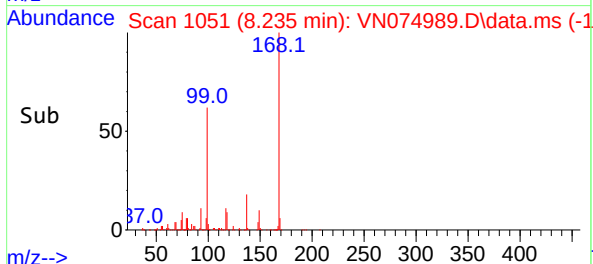
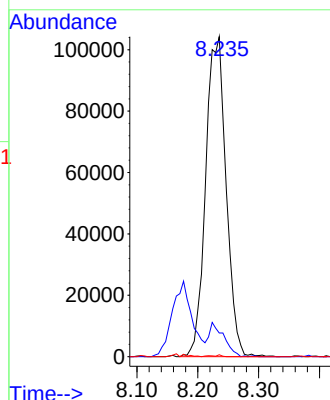
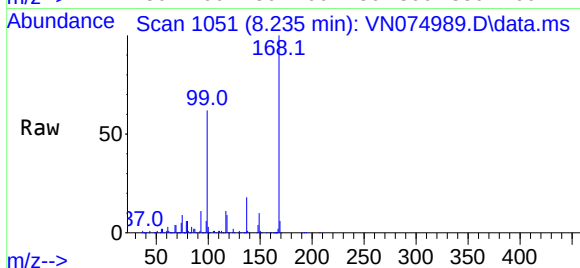
Tgt Ion: 75 Resp: 242750

Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.4#

77 0.2 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 3.846 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN074989.D

Acq: 24 Oct 2022 17:25

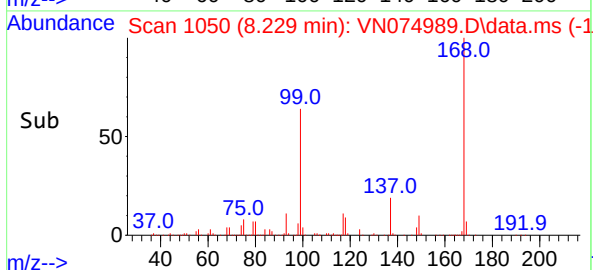
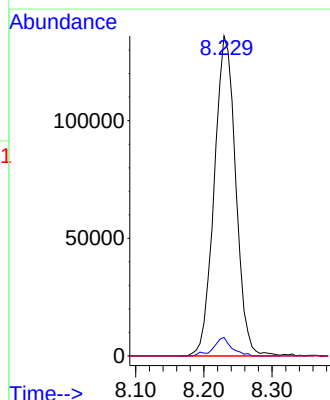
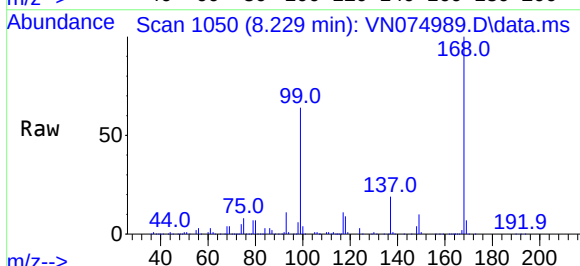
Tgt Ion: 117 Resp: 298373

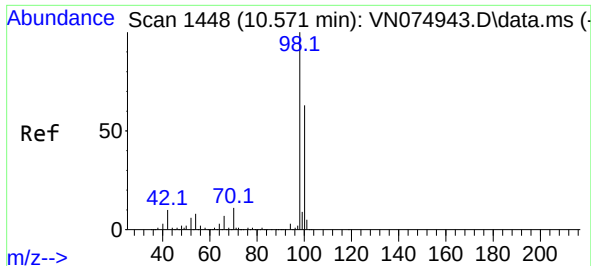
Ion Ratio Lower Upper

117 100

119 5.8 75.2 112.8#

121 0.0 27.0 40.6#

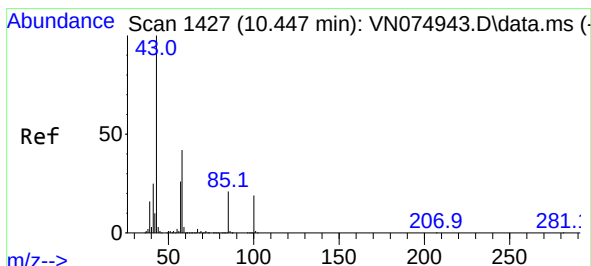
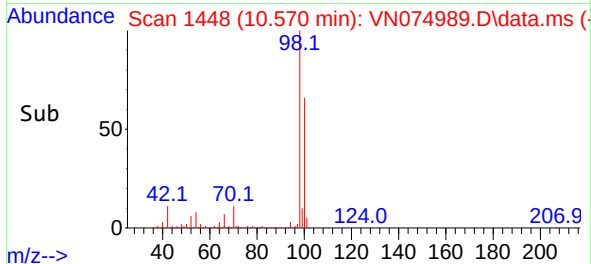
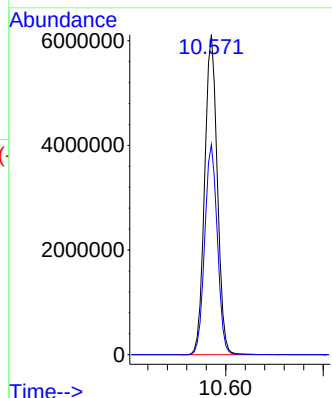
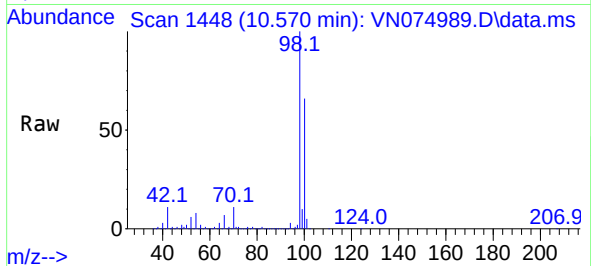




#50
Toluene-d8
Concen: 50.532 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

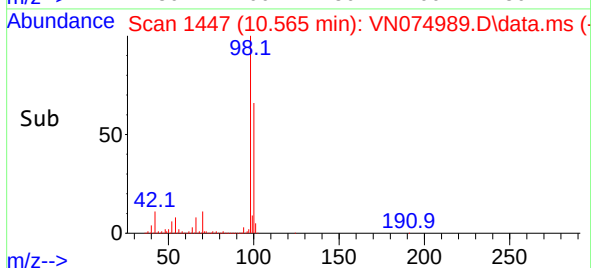
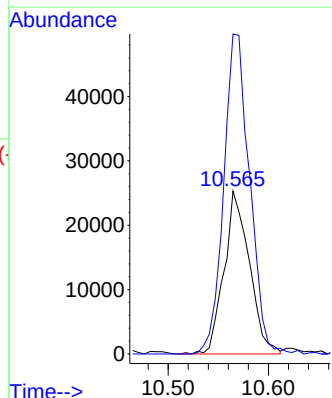
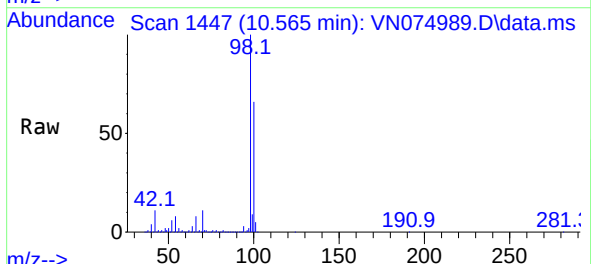
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

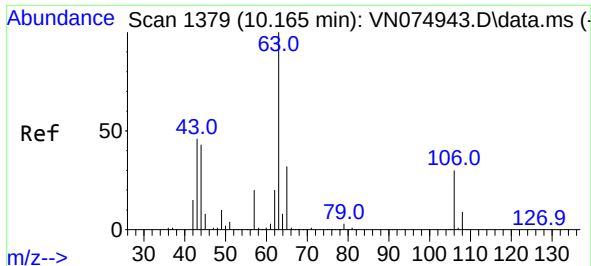
Tgt Ion: 98 Resp:10971623
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 43 Resp: 44288
Ion Ratio Lower Upper
43 100
58 202.1 33.6 50.4#

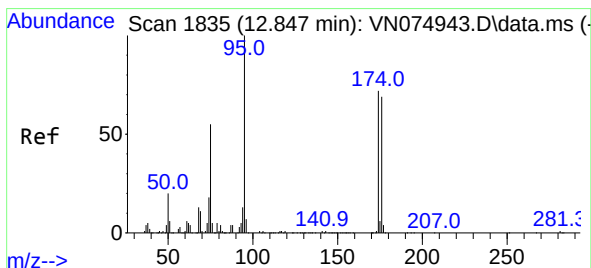
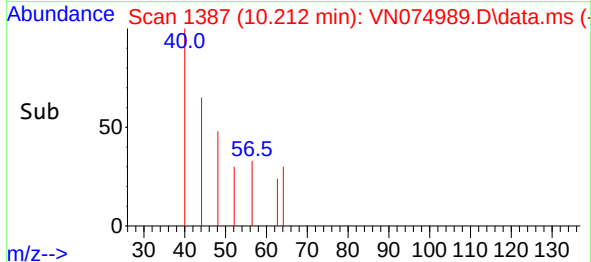
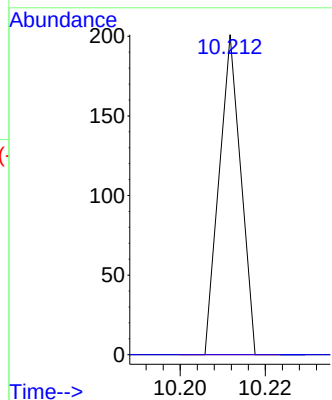
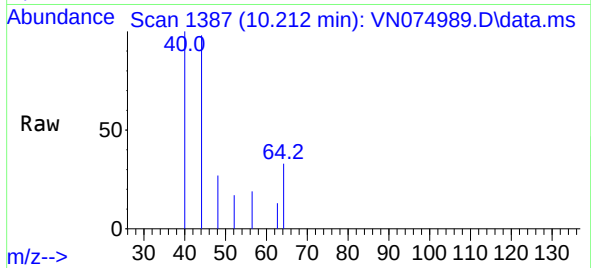




#58
2-Chloroethyl Vinyl ether
Concen: 3.611 ug/l
RT: 10.212 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

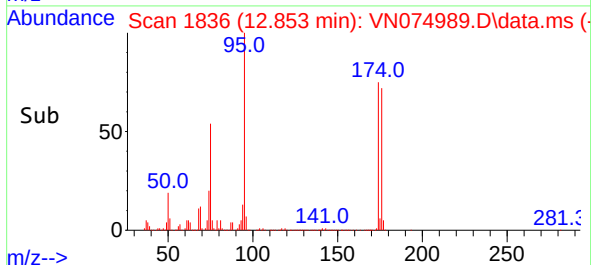
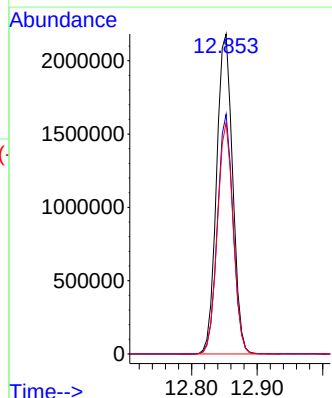
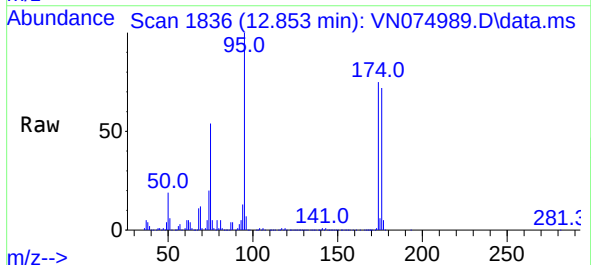
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

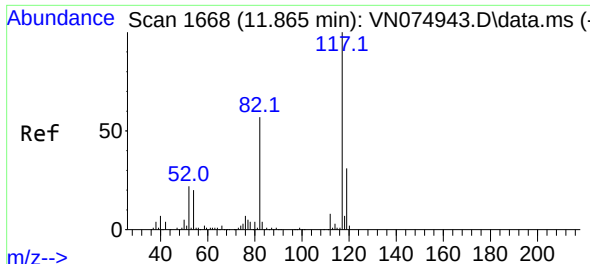
Tgt Ion: 63 Resp: 71
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



#62
4-Bromofluorobenzene
Concen: 48.287 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 95 Resp: 3698170
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.0
176 70.7 0.0 138.2

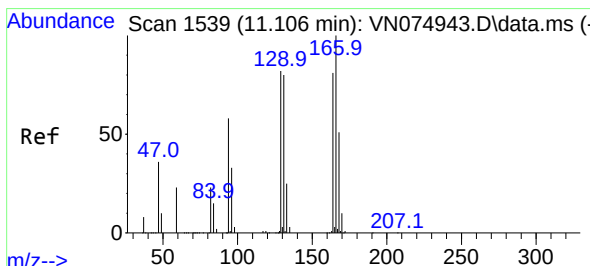
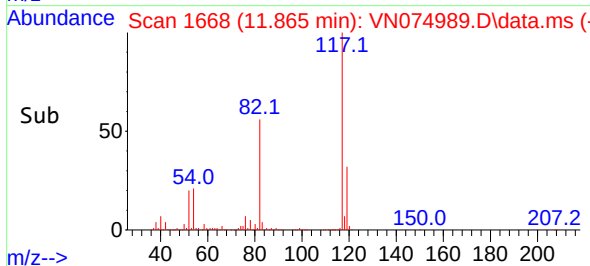
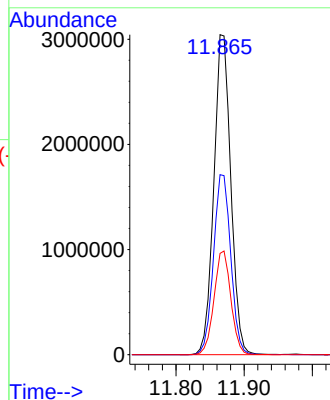
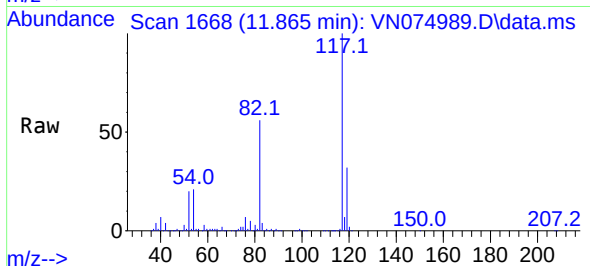




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

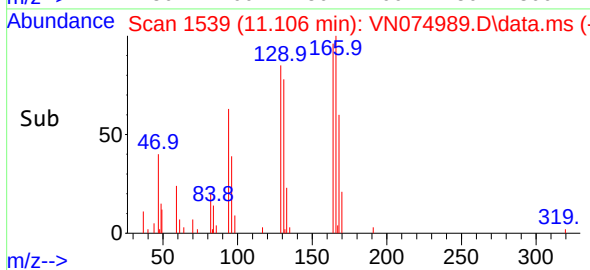
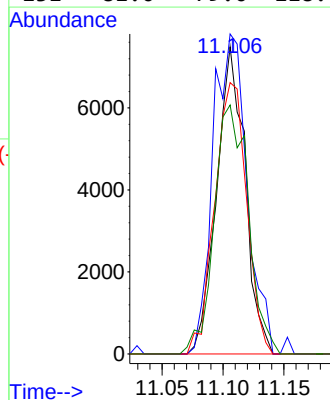
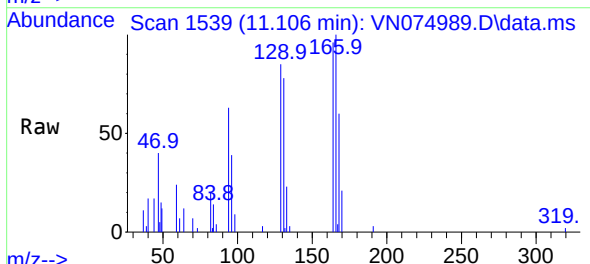
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

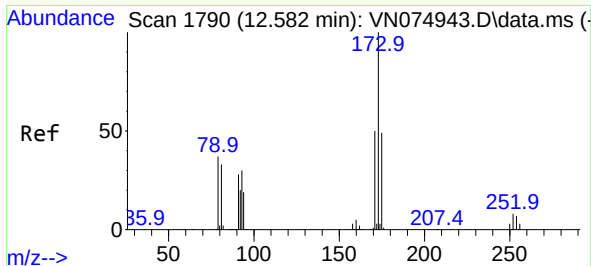
Tgt Ion:117 Resp: 5282437
Ion Ratio Lower Upper
117 100
82 56.3 45.6 68.4
119 31.7 25.1 37.7



#64
Tetrachloroethene
Concen: 0.283 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion:164 Resp: 12225
Ion Ratio Lower Upper
164 100
166 104.2 98.6 148.0
129 88.3 81.2 121.8
131 81.0 79.0 118.6

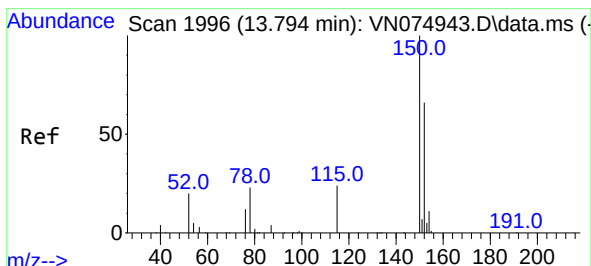
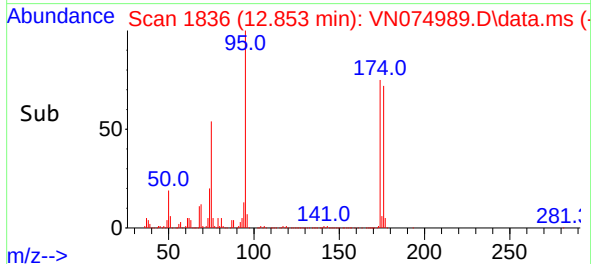
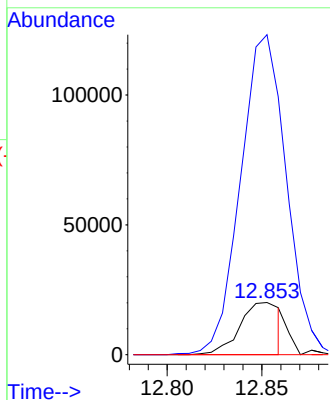
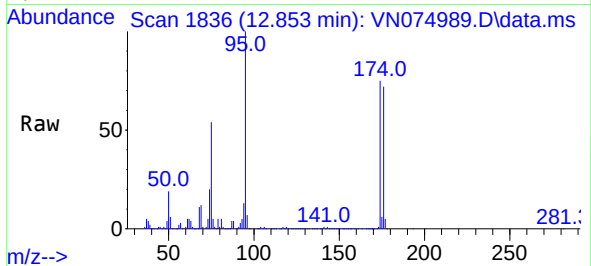




#71
Bromoform
Concen: 0.649 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

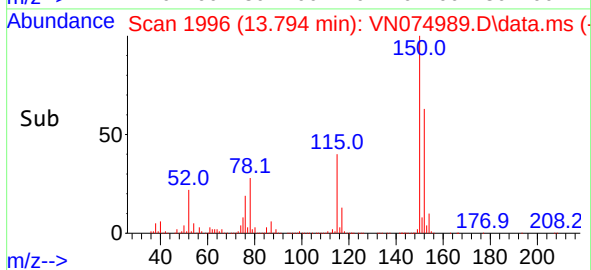
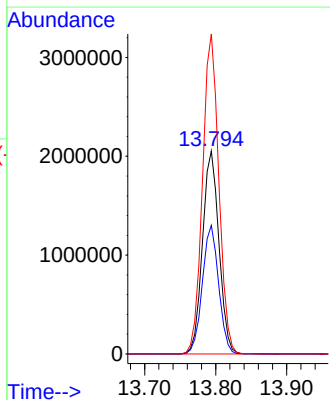
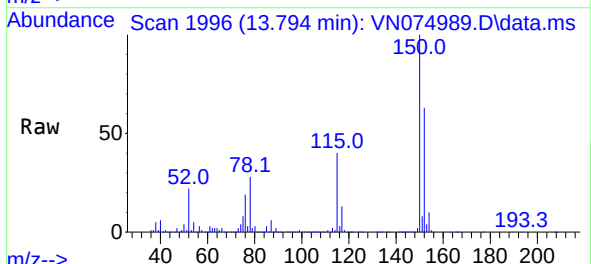
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

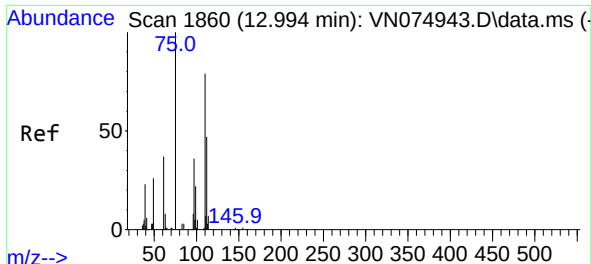
Tgt Ion:173 Resp: 29498
Ion Ratio Lower Upper
173 100
175 588.8 24.8 74.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion:152 Resp: 3308555
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.8
150 156.3 0.0 349.6

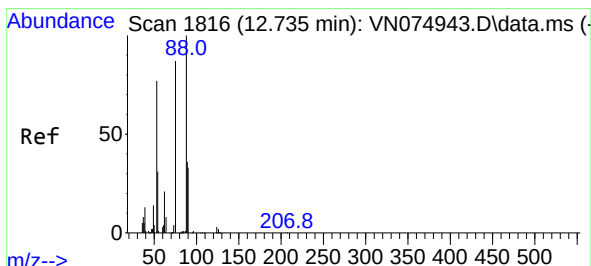
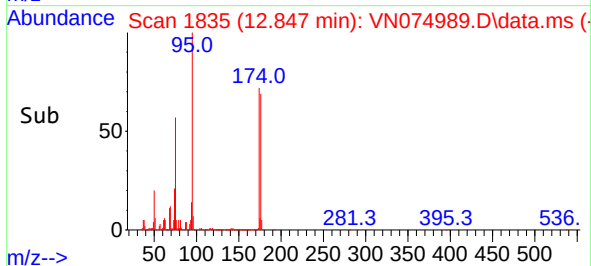
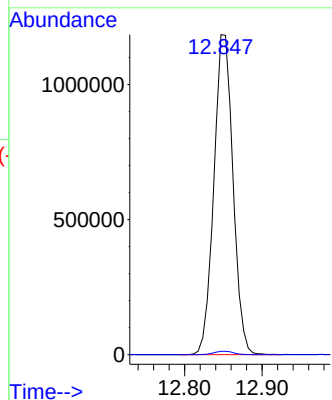
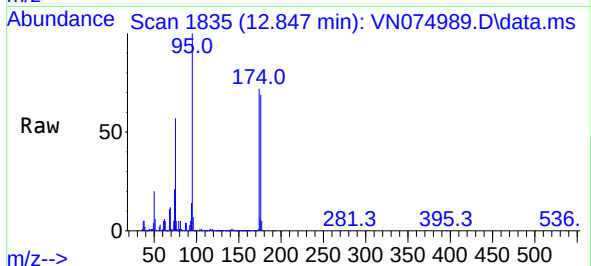




#76
1,2,3-Trichloropropane
Concen: 22.632 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

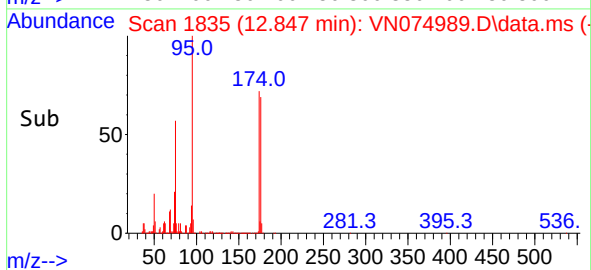
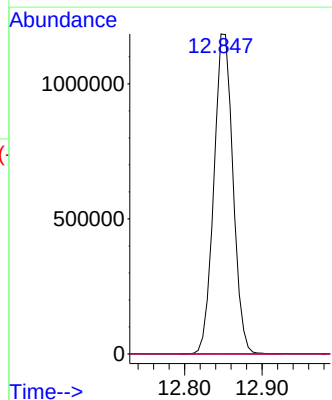
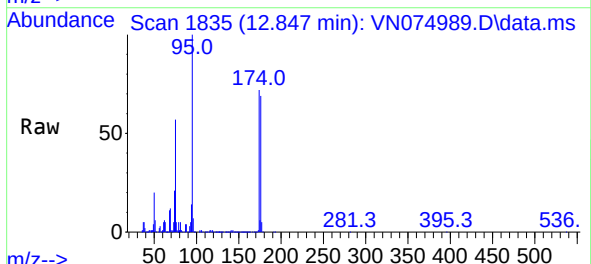
Instrument :
MSVOA_N
ClientSampleId :
MW-15RE

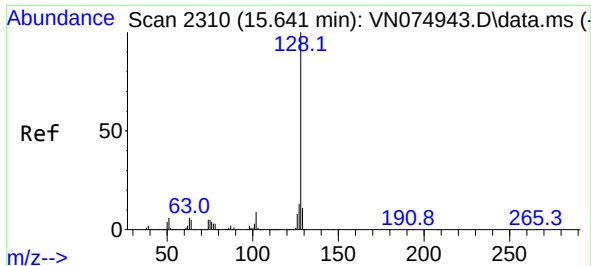
Tgt Ion: 75 Resp: 2030658
Ion Ratio Lower Upper
75 100
77 1.1 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.564 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074989.D
Acq: 24 Oct 2022 17:25

Tgt Ion: 75 Resp: 2030658
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#





#95

Naphthalene

Concen: 0.205 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN074989.D

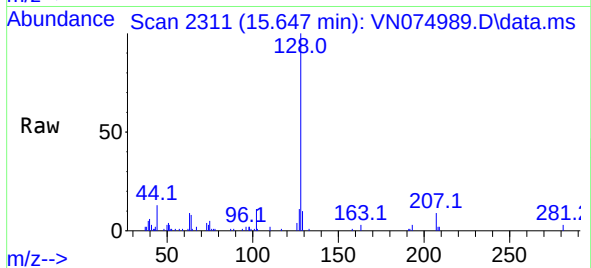
Acq: 24 Oct 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

MW-15RE



Tgt Ion:128 Resp: 41141

Ion Ratio Lower Upper

128 100

127 14.9 10.4 15.6

129 12.7 8.6 12.8

