

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074959.D
 Acq On : 21 Oct 2022 14:11
 Operator : JC\MD
 Sample : N5222-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13D

Quant Time: Oct 22 02:52:57 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)

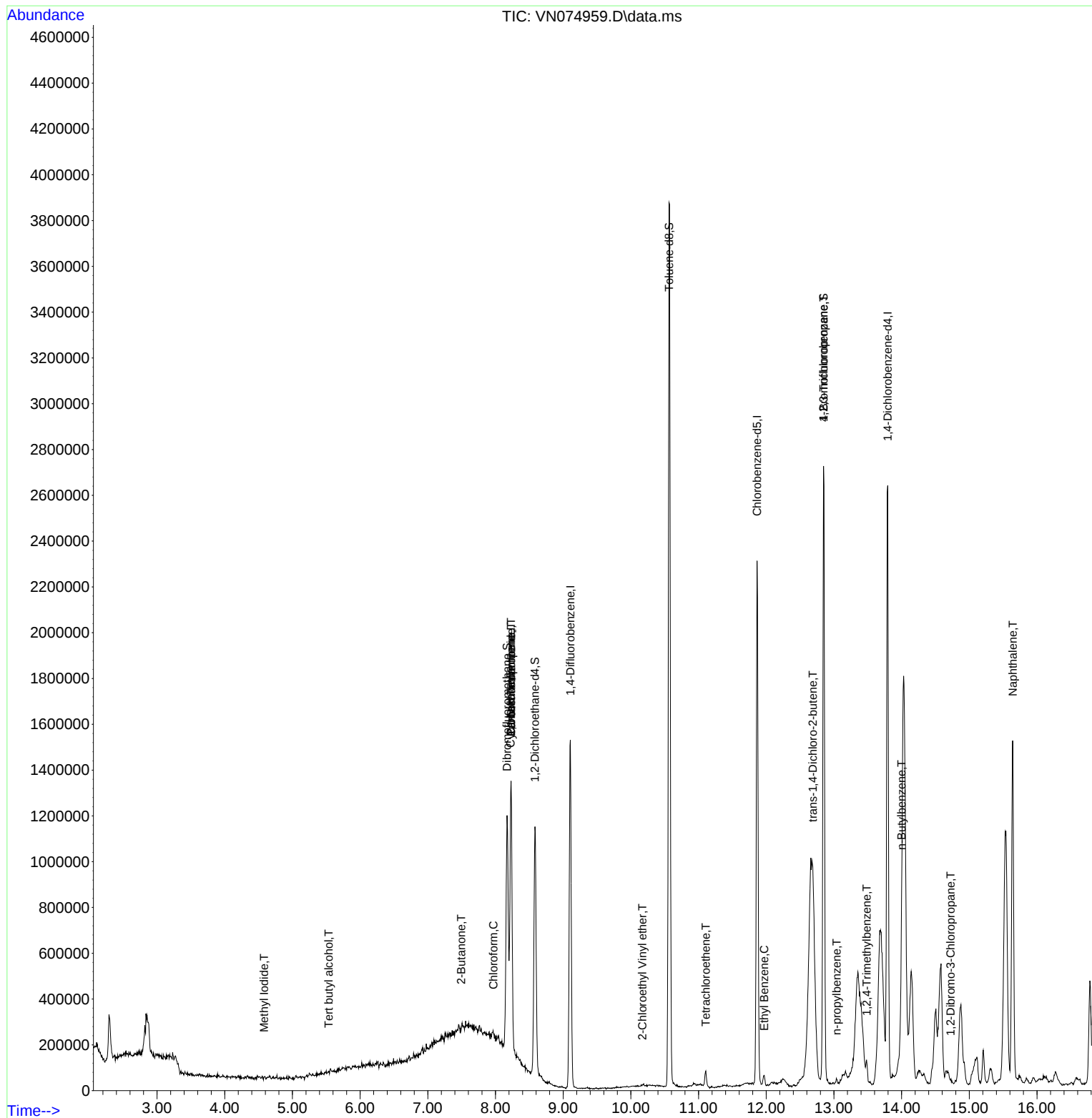
Internal Standards						
1) Pentafluorobenzene	8.230	168	844649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1387210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1314108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	687871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	885593	39.462	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	78.920%
35) Dibromofluoromethane	8.171	113	731547	44.306	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.620%
50) Toluene-d8	10.565	98	2785594	43.971	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.940%
62) 4-Bromofluorobenzene	12.847	95	940477	42.087	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	6247	Below Cal	#	61
4) Vinyl Chloride	2.524	62	1326	Below Cal	#	54
5) Bromomethane	2.948	94	3141	Below Cal		93
6) Chloroethane	2.977	64	4124	Below Cal	#	58
7) Trichlorofluoromethane	3.501	101	670	Below Cal	#	77
9) 1,1,2-Trichlorotrifluoro...	4.371	101	314	Below Cal	#	19
10) Methyl Iodide	4.583	142	12337	0.653	ug/l #	31
11) Tert butyl alcohol	5.536	59	1692	0.357	ug/l #	1
12) 1,1-Dichloroethene	4.353	96	253	Below Cal	#	21
13) Acrolein	4.201	56	2369	Below Cal	#	82
16) Acetone	4.453	43	5682	Below Cal	#	85
17) Carbon Disulfide	4.724	76	2326	Below Cal	#	74
20) Methylene Chloride	5.277	84	447	Below Cal	#	64
21) trans-1,2-Dichloroethene	5.789	96	174	Below Cal	#	41
25) 2-Butanone	7.494	43	4690	0.343	ug/l #	74
30) Chloroform	7.971	83	13340	0.406	ug/l	90
31) Cyclohexane	8.224	56	19280	0.841	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	72210	3.473	ug/l #	51
38) Carbon Tetrachloride	8.230	117	96973	4.284	ug/l #	16
58) 2-Chloroethyl Vinyl ether	10.171	63	915	3.685	ug/l #	75
64) Tetrachloroethene	11.106	164	13428	1.250	ug/l	91
67) Ethyl Benzene	11.971	91	34439	0.488	ug/l #	85
76) 1,2,3-Trichloropropane	12.847	75	516647	27.696	ug/l #	1
78) n-propylbenzene	13.041	91	20917	0.318	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.688	75	42426	7.292	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.482	105	47292	0.965	ug/l	97
89) n-Butylbenzene	14.000	91	32538	0.767	ug/l #	37
92) 1,2-Dibromo-3-Chloropr...	14.723	75	1014	0.233	ug/l #	5
95) Naphthalene	15.641	128	1432443	34.276	ug/l	99

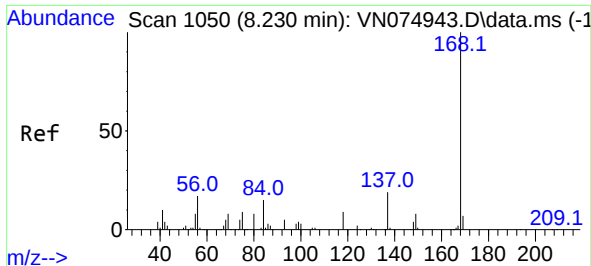
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
Data File : VN074959.D
Acq On : 21 Oct 2022 14:11
Operator : JC\MD
Sample : N5222-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-13D

Quant Time: Oct 22 02:52:57 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

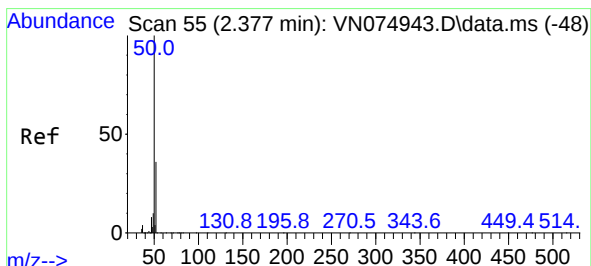
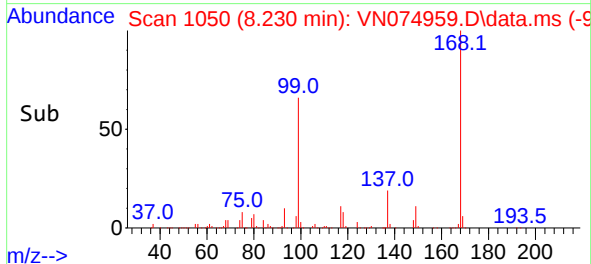
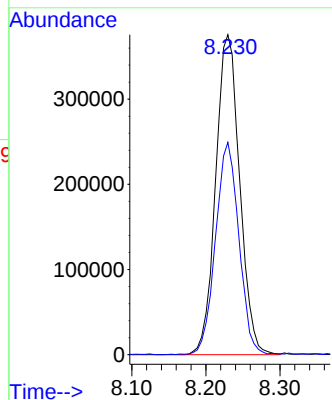
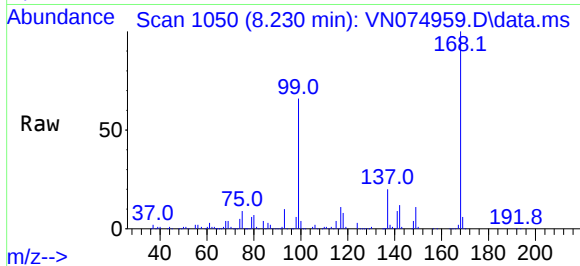




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

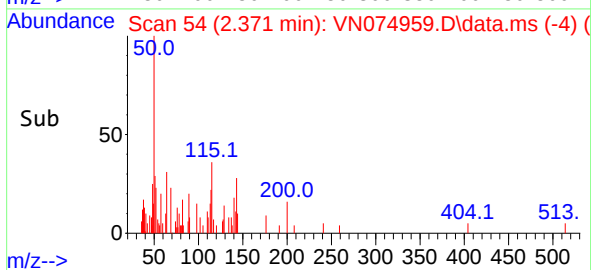
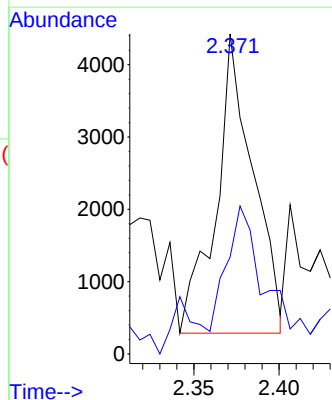
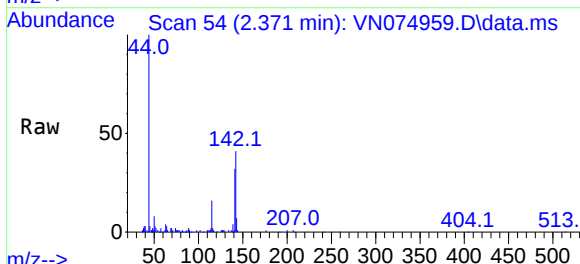
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

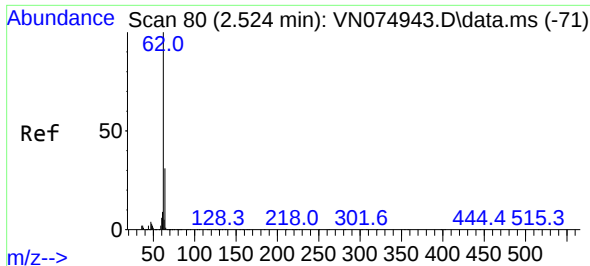
Tgt Ion:168 Resp: 844649
Ion Ratio Lower Upper
168 100
99 66.2 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 50 Resp: 6247
Ion Ratio Lower Upper
50 100
52 13.2 28.8 43.2#

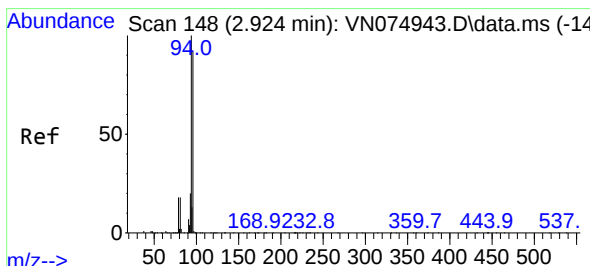
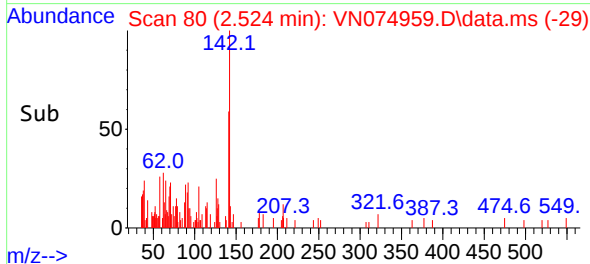
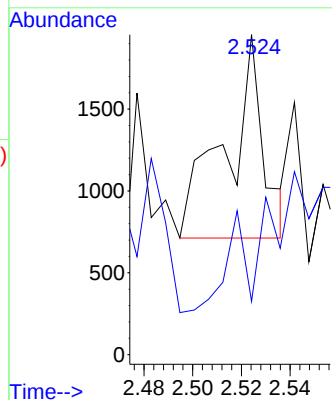
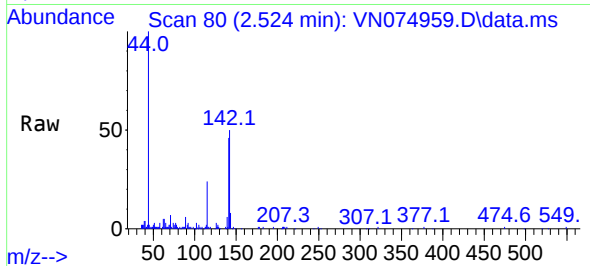




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.524 min Scan# 80
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

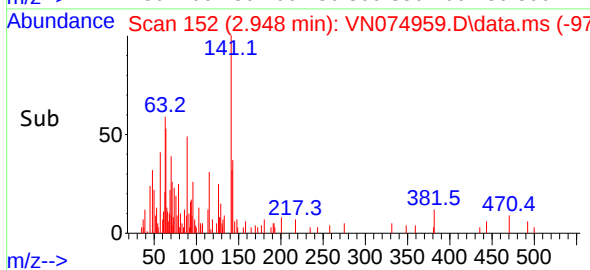
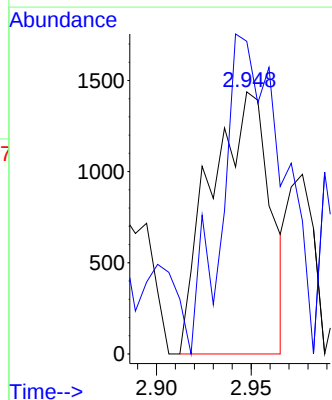
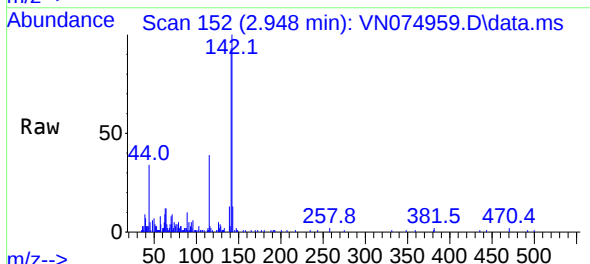
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

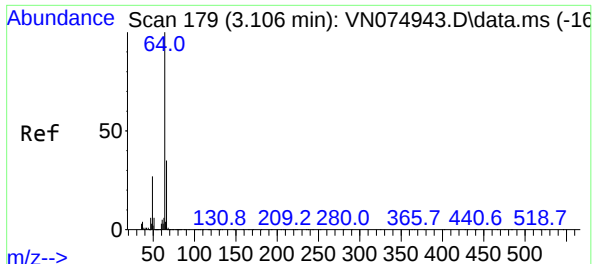
Tgt Ion: 62 Resp: 1326
Ion Ratio Lower Upper
62 100
64 5.5 24.5 36.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.948 min Scan# 152
Delta R.T. 0.024 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 94 Resp: 3141
Ion Ratio Lower Upper
94 100
96 98.5 73.5 110.3

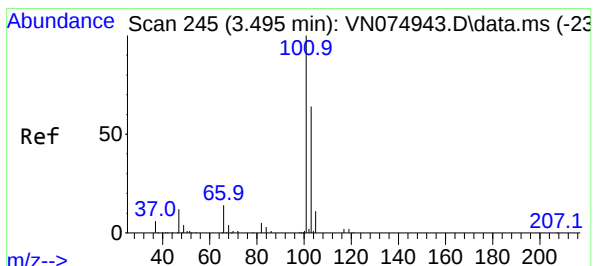
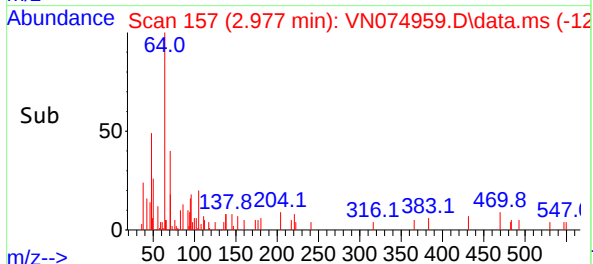
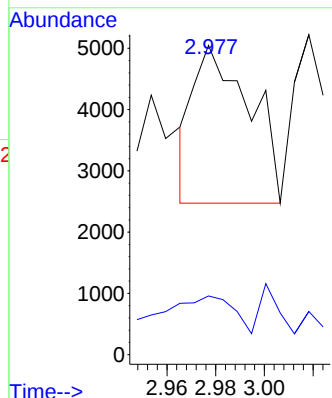
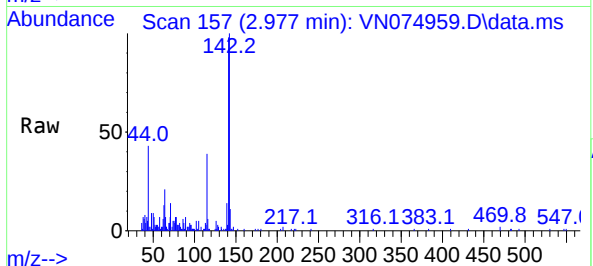




#6
Chloroethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. -0.129 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

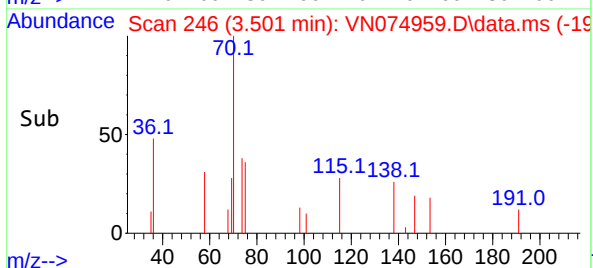
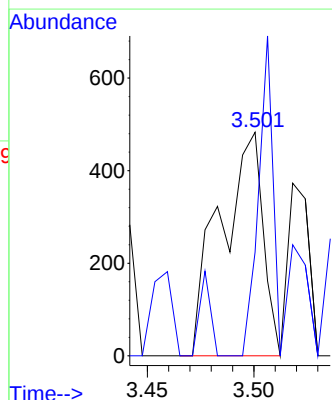
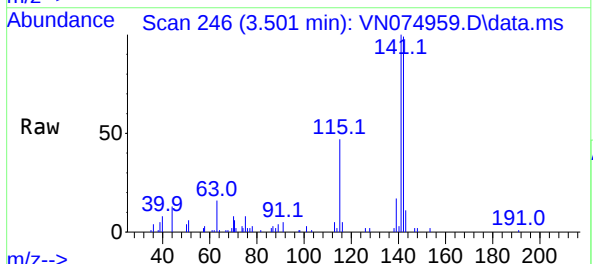
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

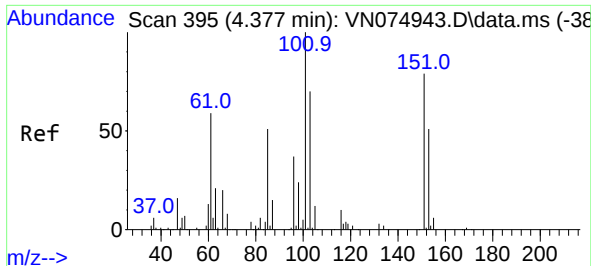
Tgt Ion: 64 Resp: 4124
Ion Ratio Lower Upper
64 100
66 10.8 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.501 min Scan# 246
Delta R.T. 0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 101 Resp: 670
Ion Ratio Lower Upper
101 100
103 46.4 51.5 77.3#

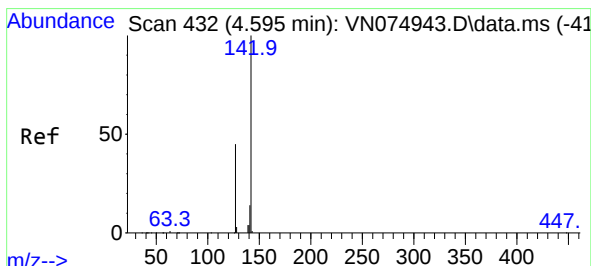
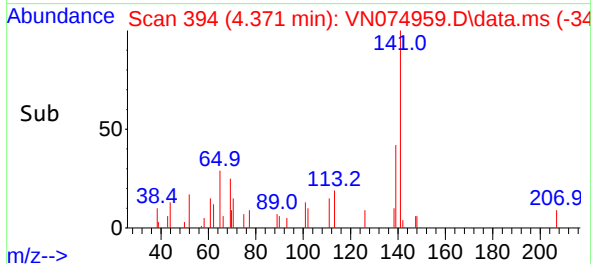
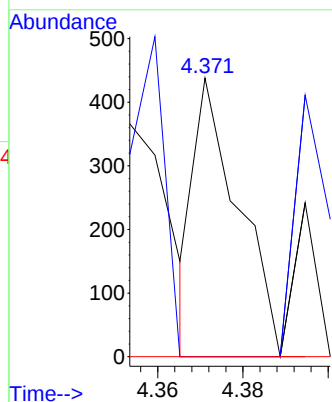
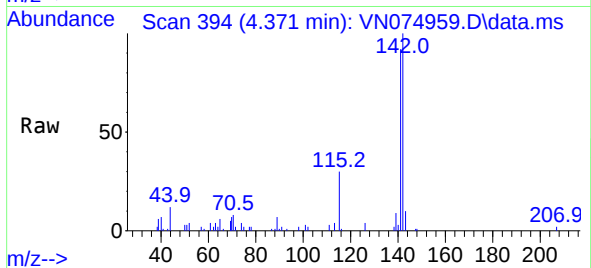




#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.371 min Scan# 395
Delta R.T. -0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

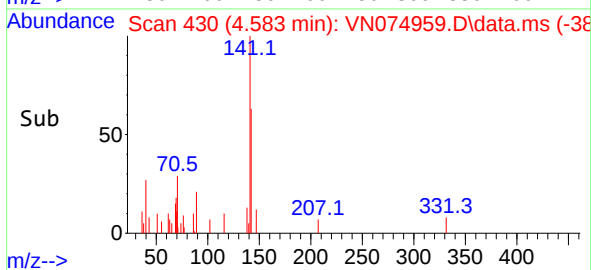
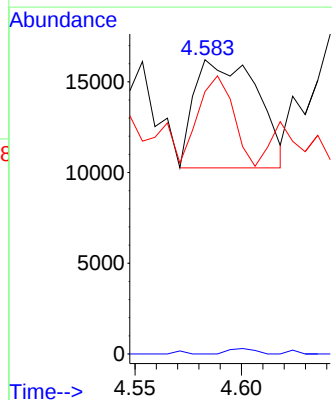
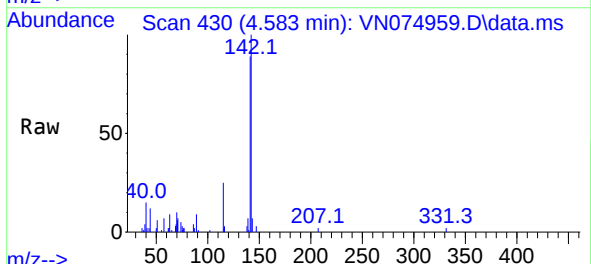
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

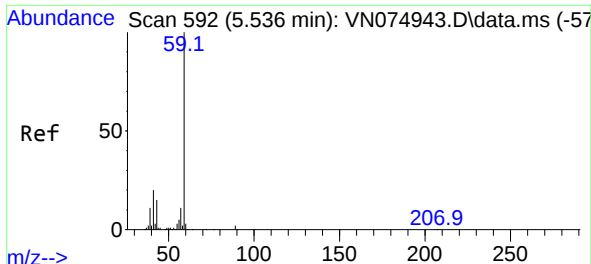
Tgt Ion:101 Resp: 314
Ion Ratio Lower Upper
101 100
85 0.0 37.8 56.8#
151 0.0 58.5 87.7#



#10
Methyl Iodide
Concen: 0.653 ug/l
RT: 4.583 min Scan# 430
Delta R.T. -0.012 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion:142 Resp: 12337
Ion Ratio Lower Upper
142 100
127 2.1 37.0 55.4#
141 45.5 11.4 17.0#

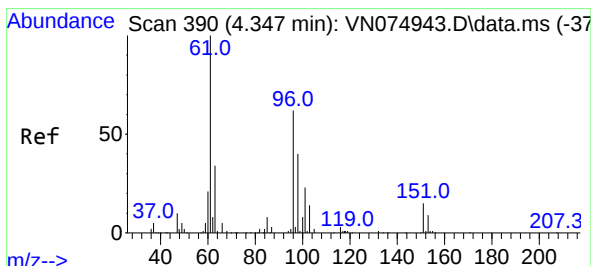
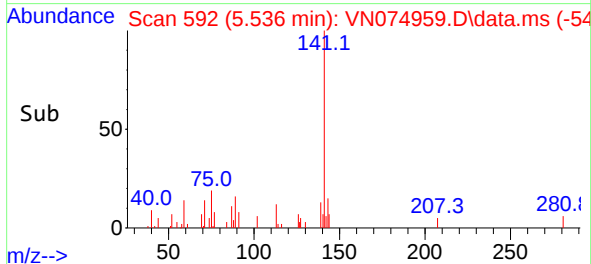
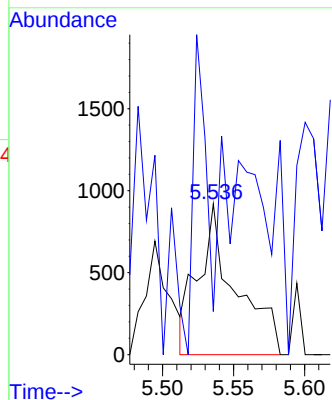
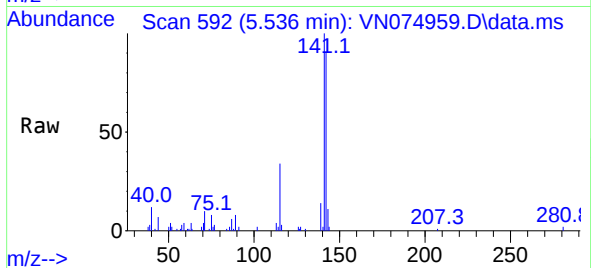




#11
Tert butyl alcohol
Concen: 0.357 ug/l
RT: 5.536 min Scan# 591
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

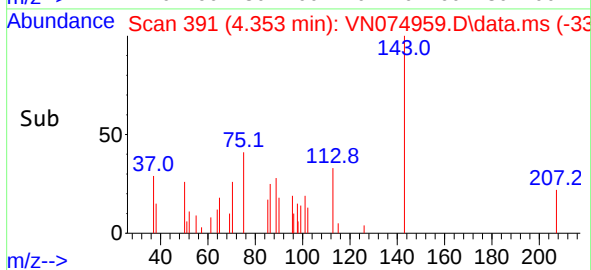
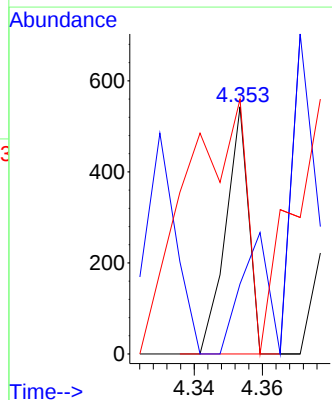
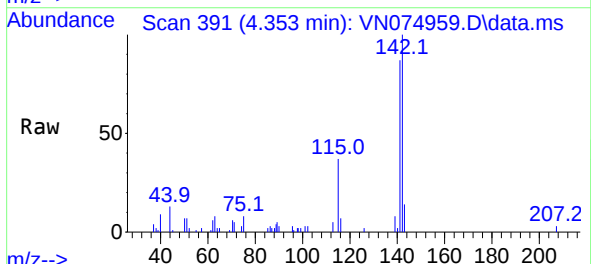
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

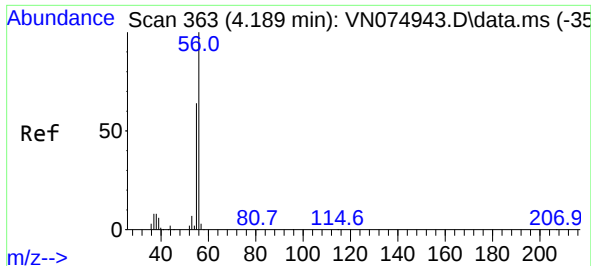
Tgt Ion: 59 Resp: 1692
Ion Ratio Lower Upper
59 100
57 105.8 8.2 12.4#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.353 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 96 Resp: 253
Ion Ratio Lower Upper
96 100
61 28.4 128.9 193.3#
98 44.8 51.8 77.8#

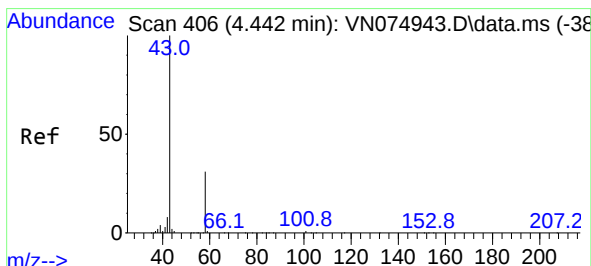
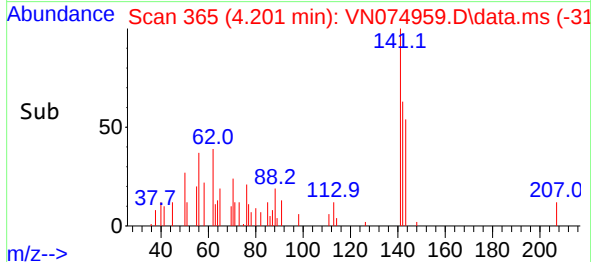
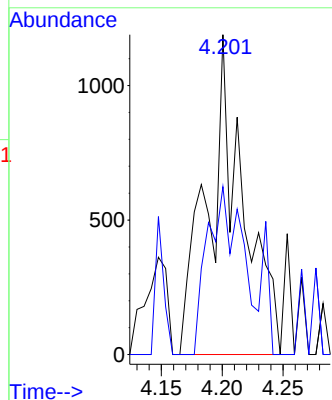
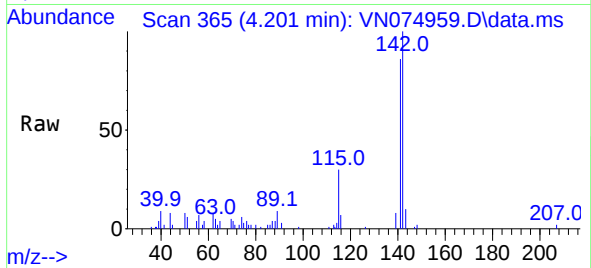




#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 301
Delta R.T. 0.012 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

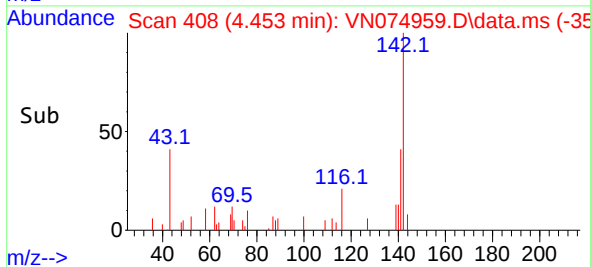
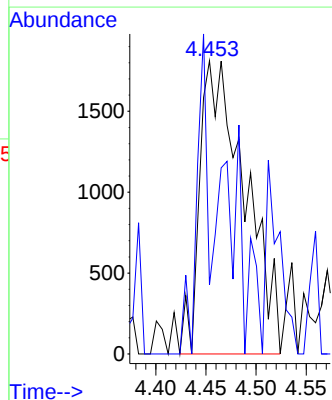
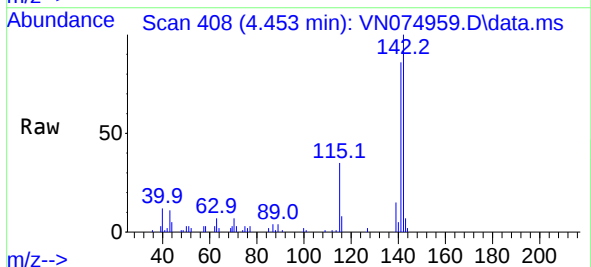
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

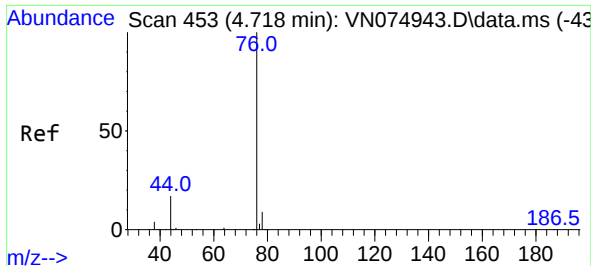
Tgt Ion: 56 Resp: 2369
Ion Ratio Lower Upper
56 100
55 52.5 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 43 Resp: 5682
Ion Ratio Lower Upper
43 100
58 23.6 25.7 38.5#

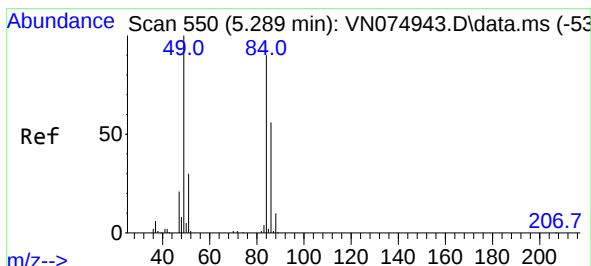
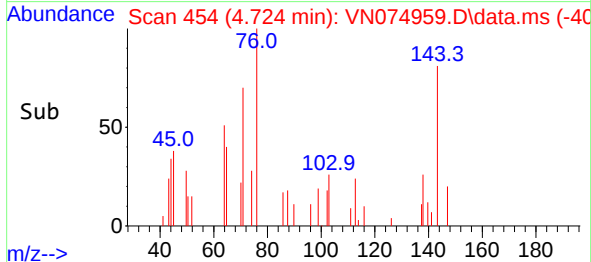
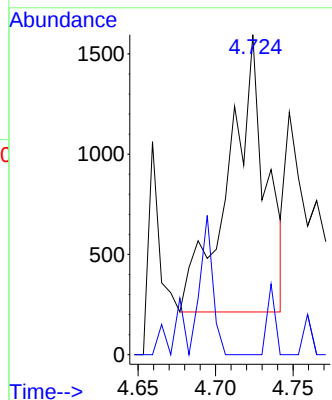
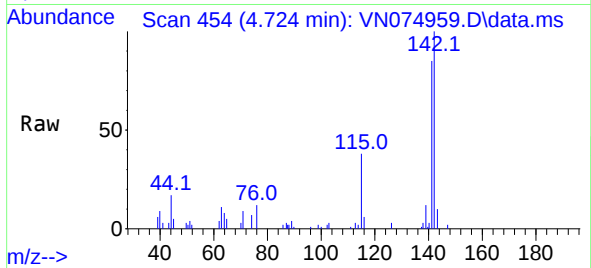




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.724 min Scan# 417
Delta R.T. 0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

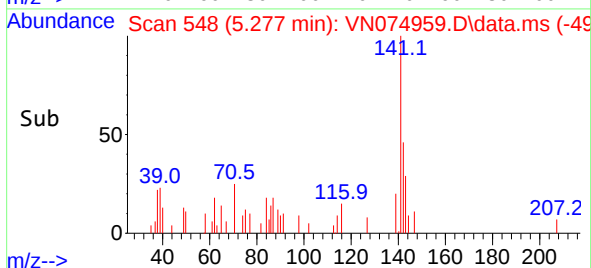
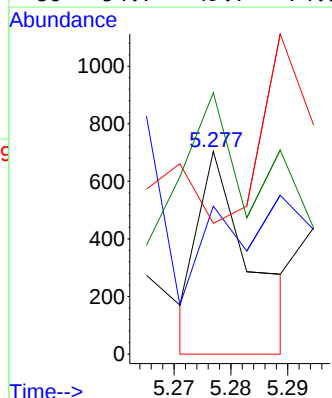
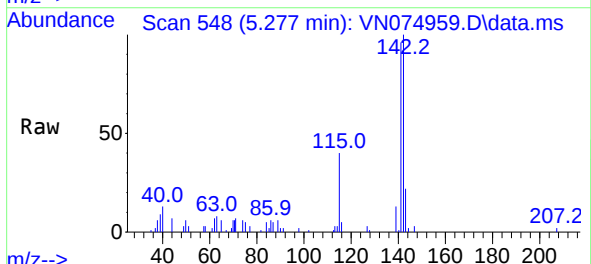
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

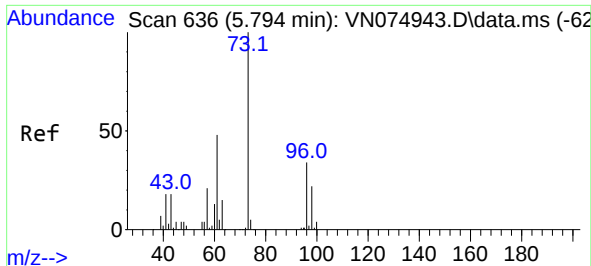
Tgt Ion: 76 Resp: 2326
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 84 Resp: 447
Ion Ratio Lower Upper
84 100
49 64.4 88.6 133.0#
51 0.0 26.7 40.1#
86 54.7 49.7 74.5

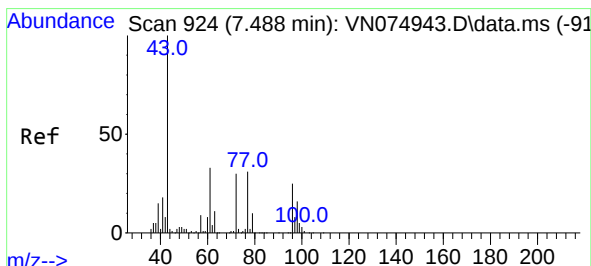
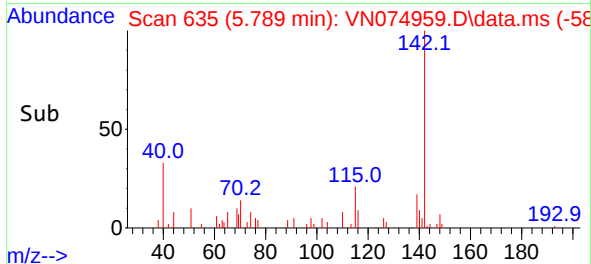
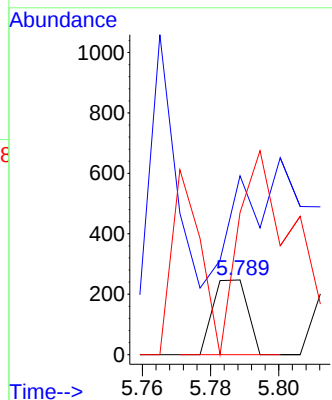
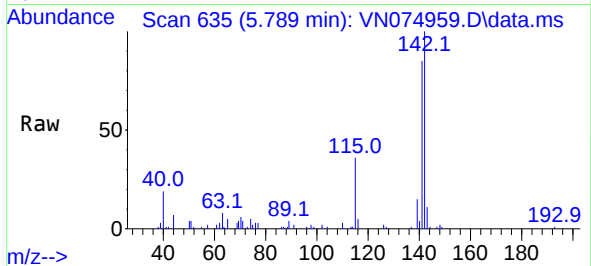




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

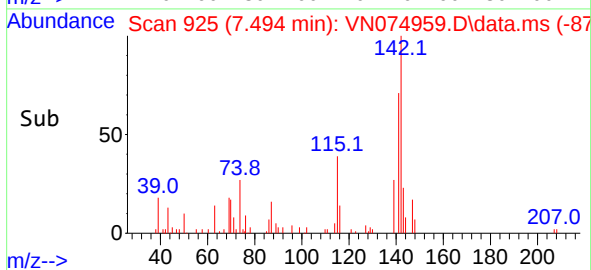
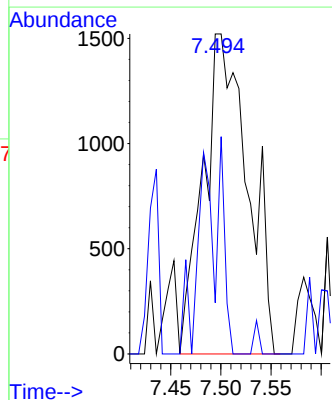
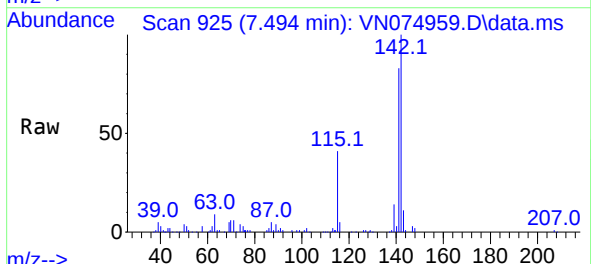
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

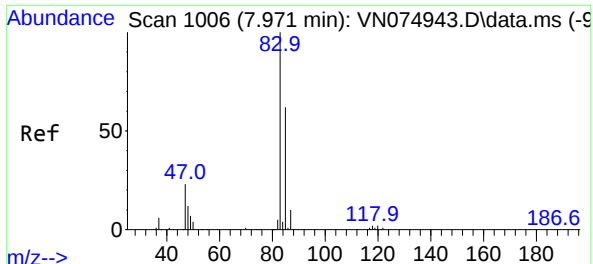
Tgt Ion: 96 Resp: 174
Ion Ratio Lower Upper
96 100
61 50.2 112.6 169.0#
98 44.5 52.4 78.6#



#25
2-Butanone
Concen: 0.343 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 43 Resp: 4690
Ion Ratio Lower Upper
43 100
72 16.0 23.9 35.9#

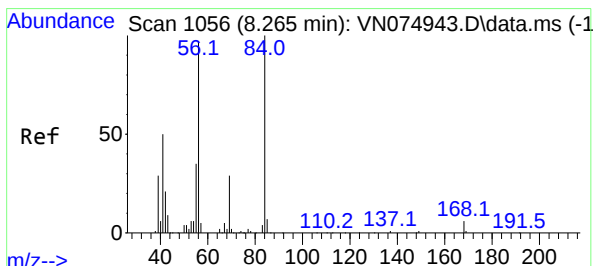
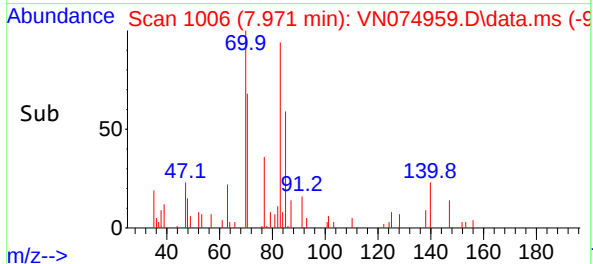
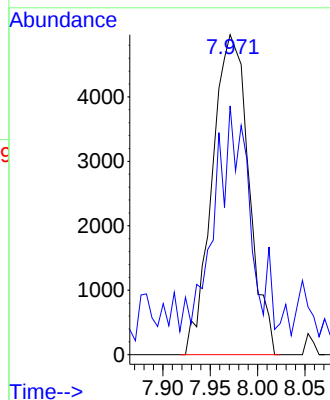
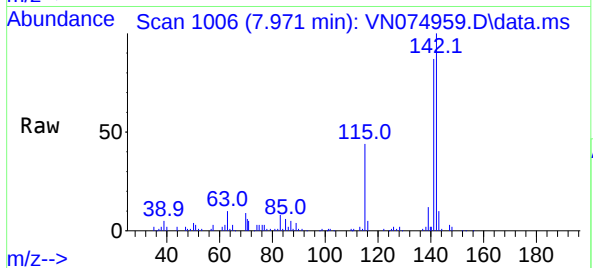




#30
Chloroform
Concen: 0.406 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

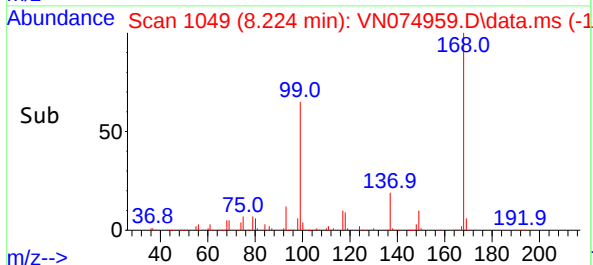
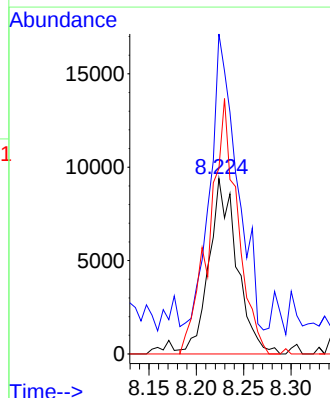
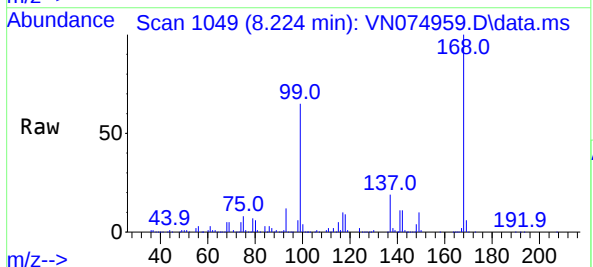
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

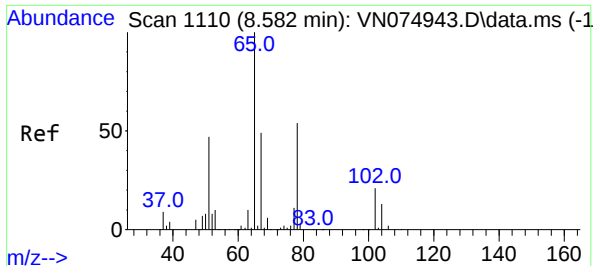
Tgt Ion: 83 Resp: 13340
Ion Ratio Lower Upper
83 100
85 70.5 49.9 74.9



#31
Cyclohexane
Concen: 0.841 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 56 Resp: 19280
Ion Ratio Lower Upper
56 100
69 166.7 24.2 36.2#
84 105.7 82.8 124.2

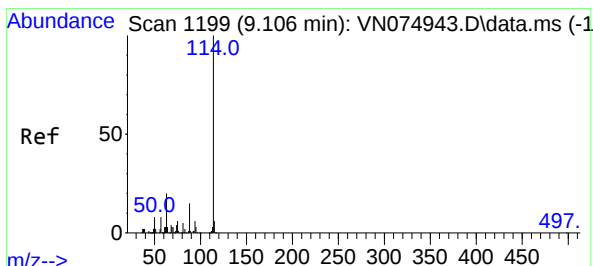
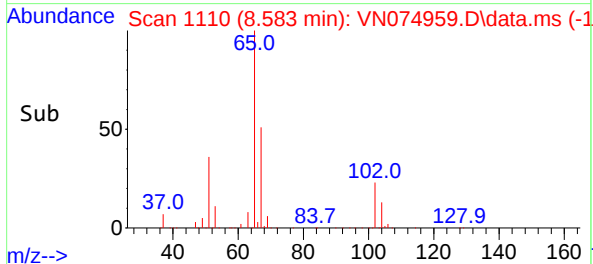
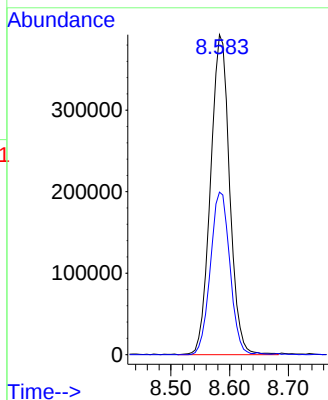
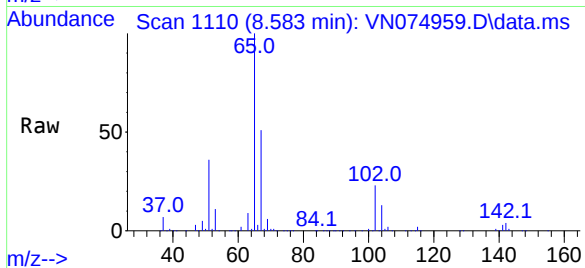




#33
1,2-Dichloroethane-d4
Concen: 39.462 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

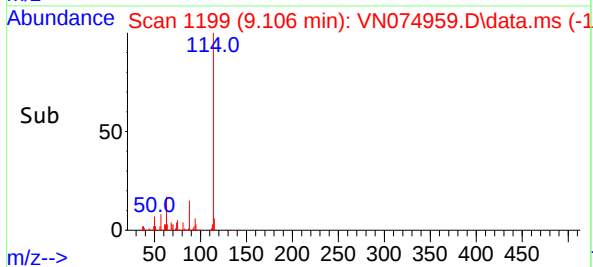
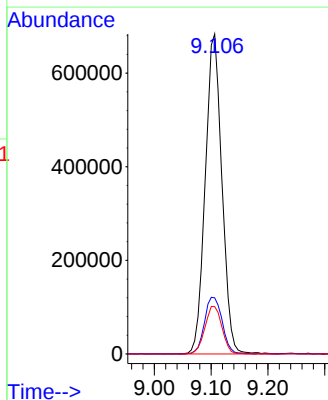
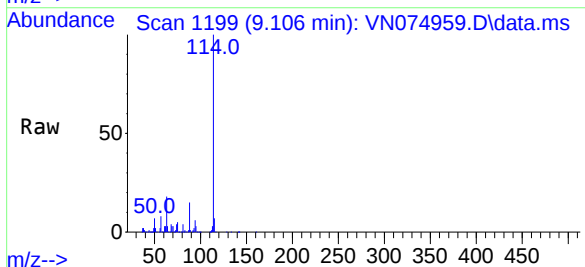
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

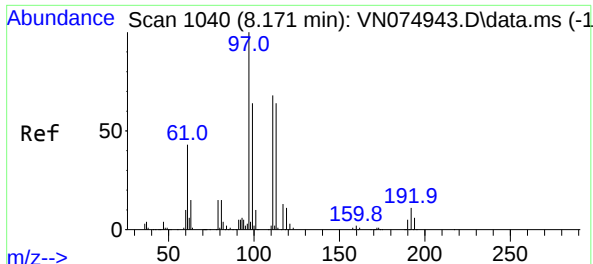
Tgt Ion: 65 Resp: 885593
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 114 Resp: 1387210
Ion Ratio Lower Upper
114 100
63 17.6 0.0 39.8
88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 44.306 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN074959.D

Acq: 21 Oct 2022 14:11

Instrument :

MSVOA_N

ClientSampleId :

MW-13D

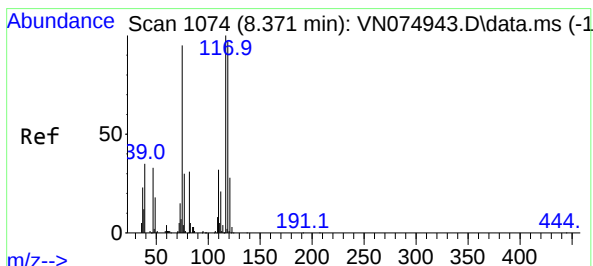
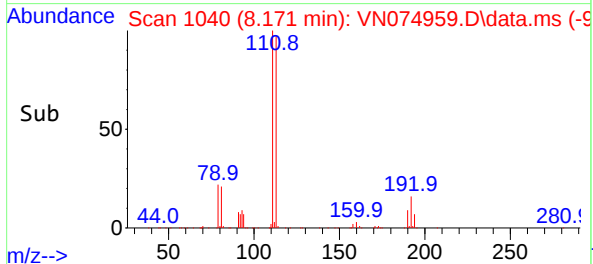
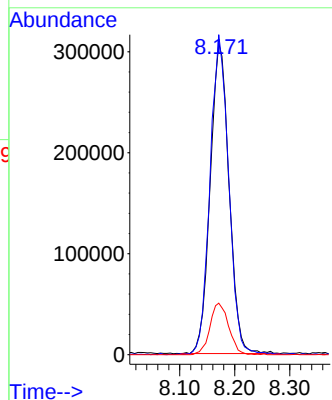
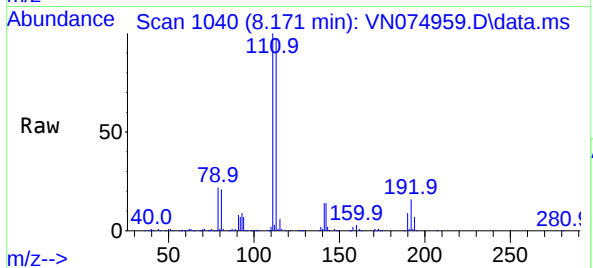
Tgt Ion:113 Resp: 731547

Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 16.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 3.473 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN074959.D

Acq: 21 Oct 2022 14:11

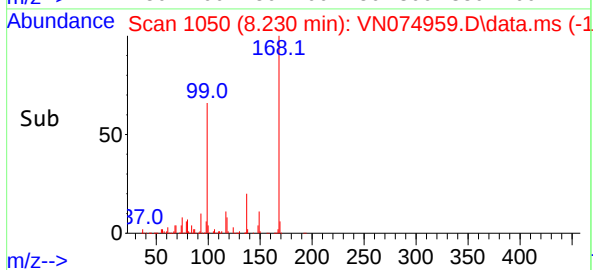
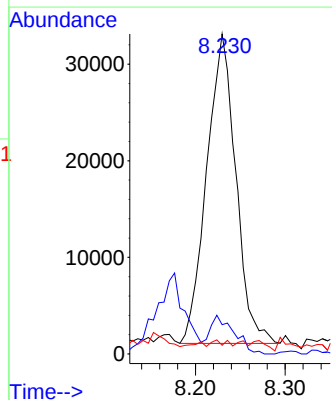
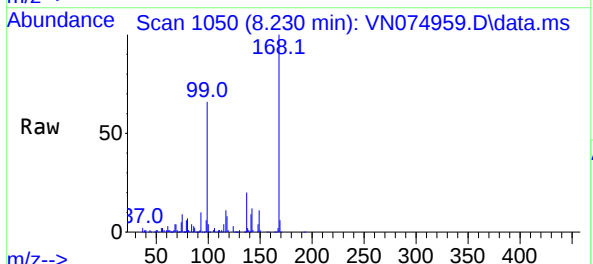
Tgt Ion: 75 Resp: 72210

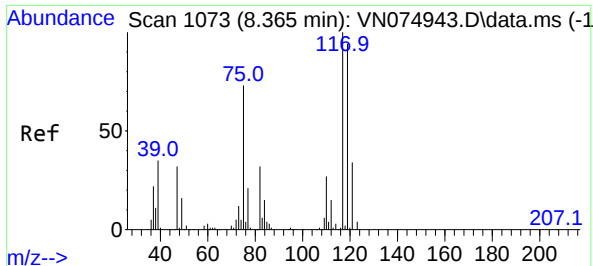
Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

77 1.0 25.0 37.4#

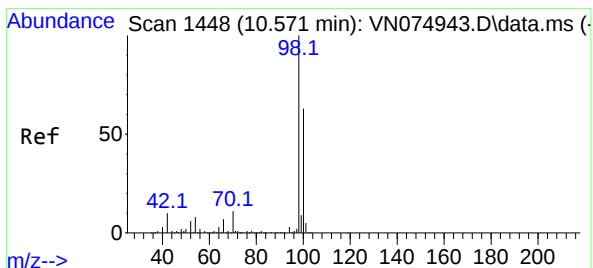
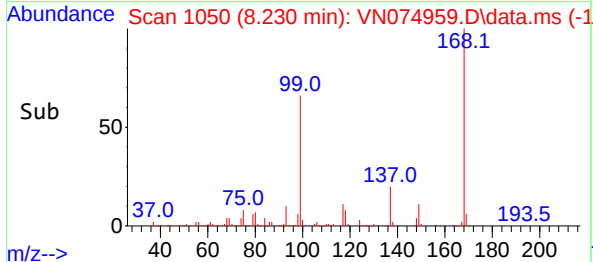
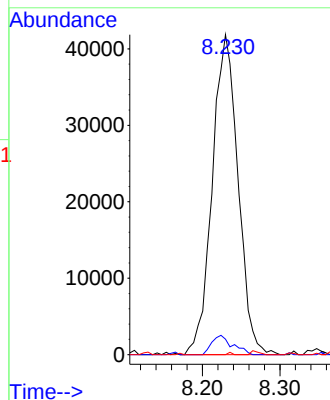
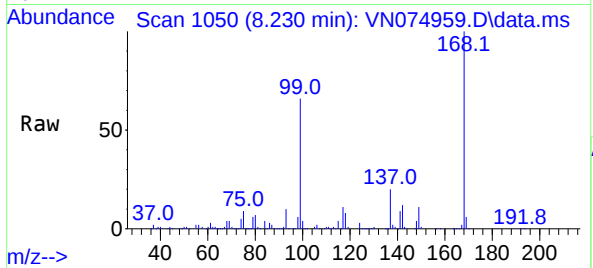




#38
Carbon Tetrachloride
Concen: 4.284 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

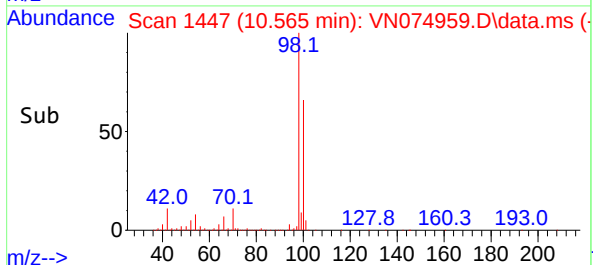
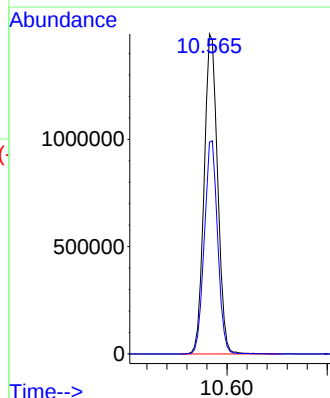
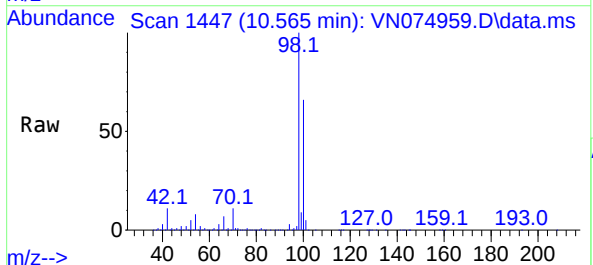
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

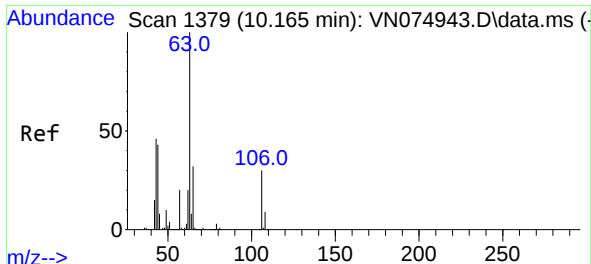
Tgt Ion:117 Resp: 96973
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 27.0 40.6#



#50
Toluene-d8
Concen: 43.971 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 98 Resp: 2785594
Ion Ratio Lower Upper
98 100
100 65.8 51.4 77.2

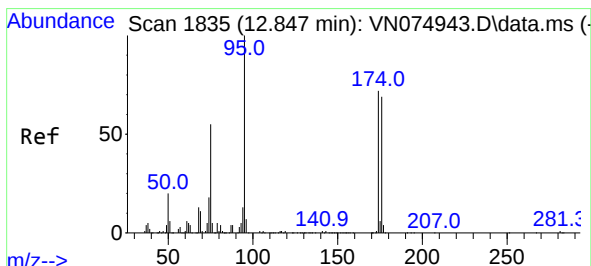
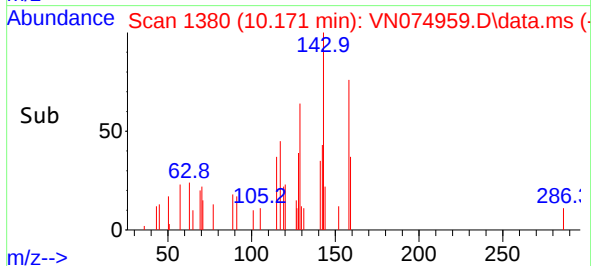
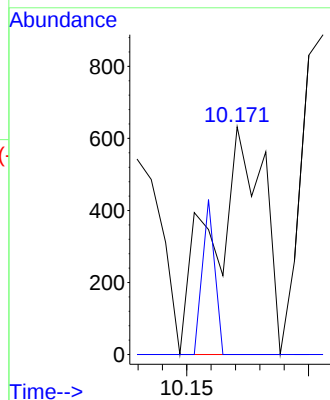
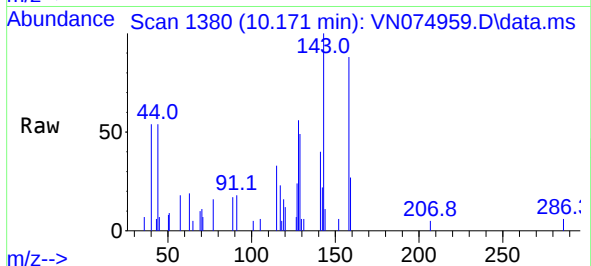




#58
2-Chloroethyl Vinyl ether
Concen: 3.685 ug/l
RT: 10.171 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

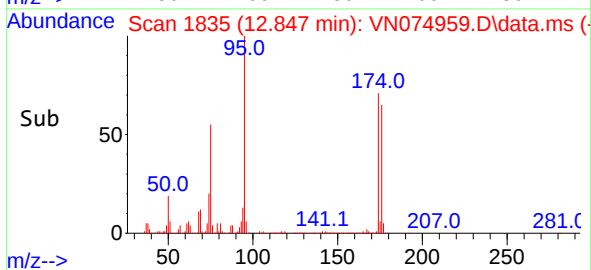
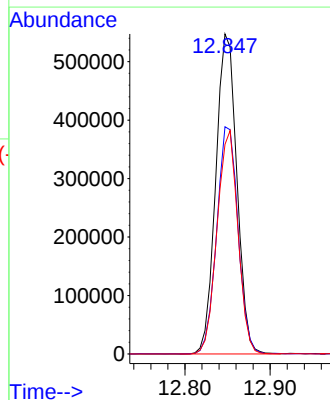
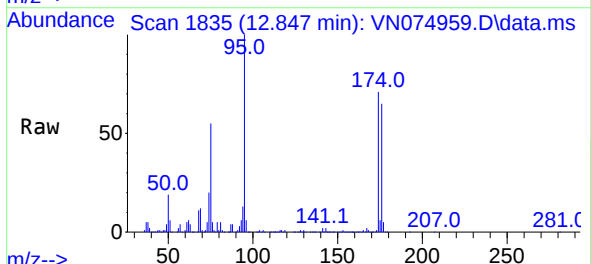
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

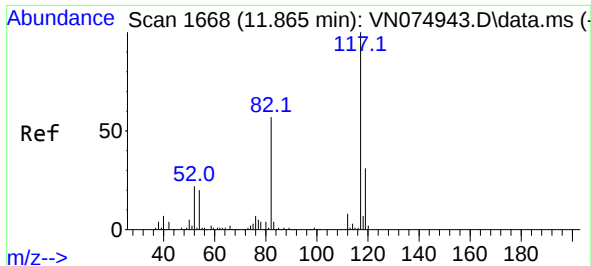
Tgt Ion: 63 Resp: 915
Ion Ratio Lower Upper
63 100
106 16.6 24.1 36.1#



#62
4-Bromofluorobenzene
Concen: 42.087 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 95 Resp: 940477
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.0
176 69.1 0.0 138.2

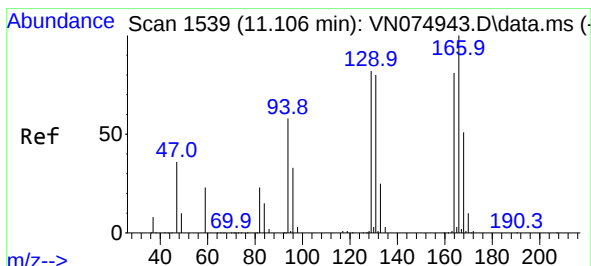
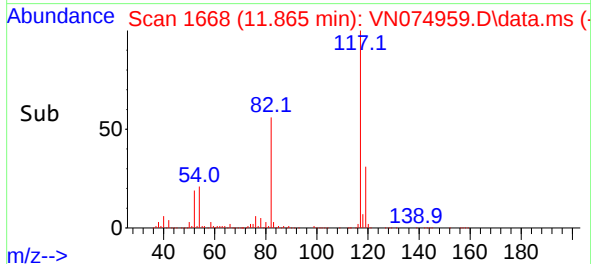
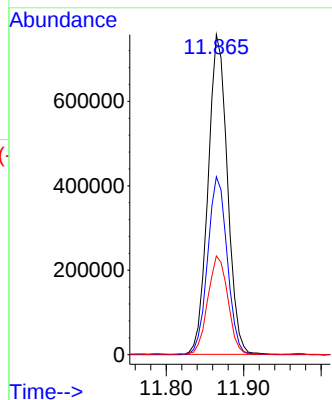
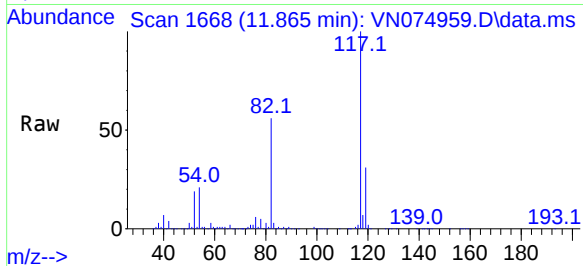




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

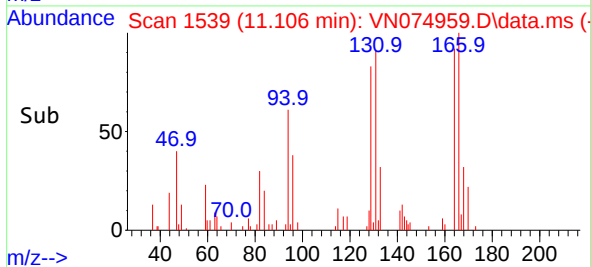
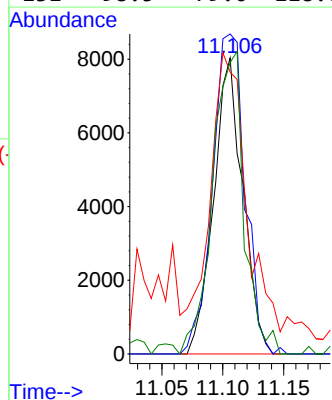
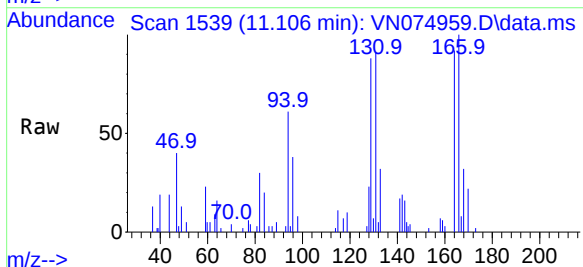
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

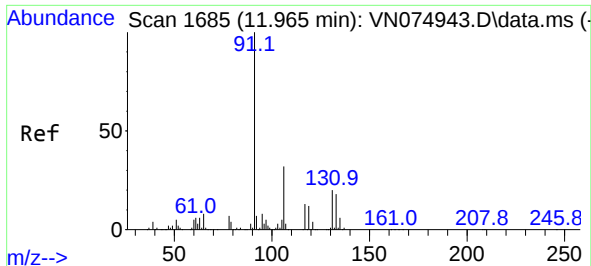
Tgt Ion:117 Resp: 1314108
Ion Ratio Lower Upper
117 100
82 55.7 45.6 68.4
119 30.9 25.1 37.7



#64
Tetrachloroethene
Concen: 1.250 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion:164 Resp: 13428
Ion Ratio Lower Upper
164 100
166 108.1 98.6 148.0
129 87.8 81.2 121.8
131 98.5 79.0 118.6

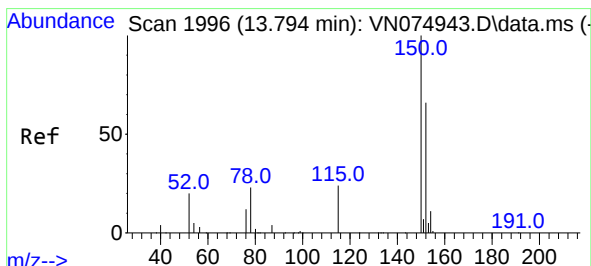
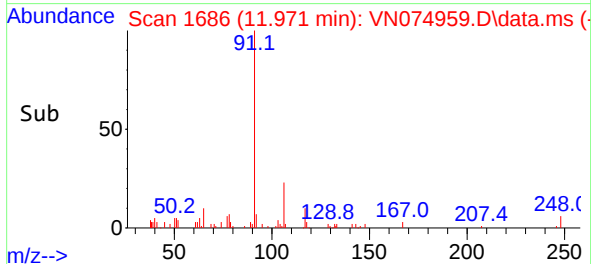
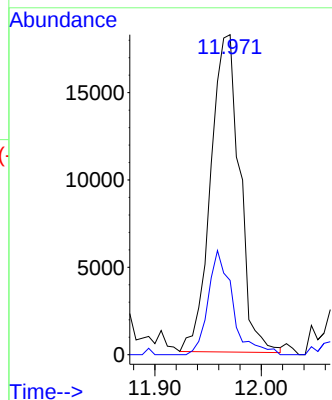
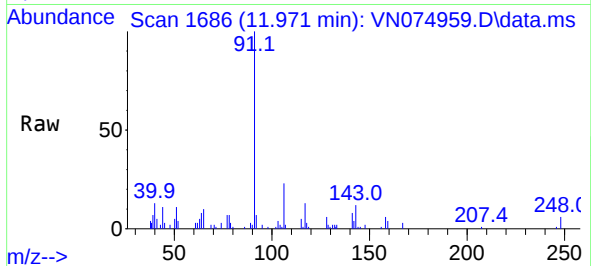




#67
Ethyl Benzene
Concen: 0.488 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

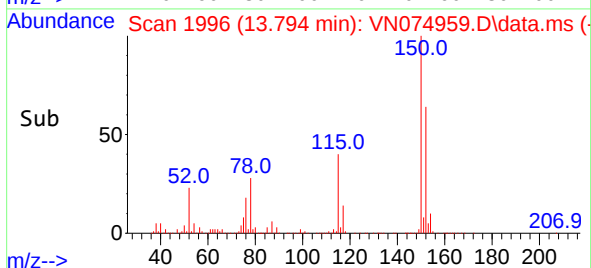
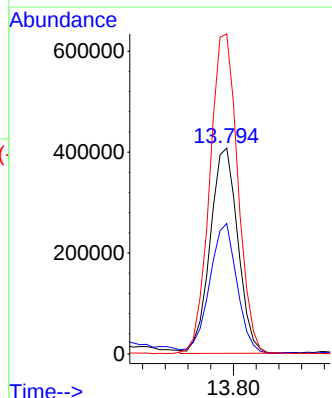
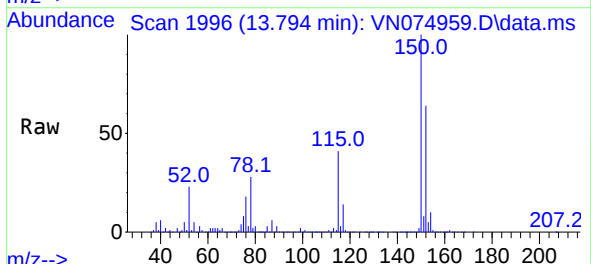
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

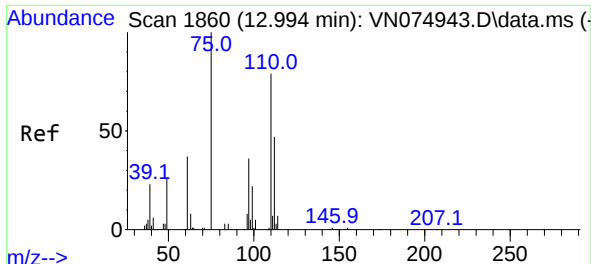
Tgt Ion: 91 Resp: 34439
Ion Ratio Lower Upper
91 100
106 23.4 25.4 38.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion:152 Resp: 687871
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.8
150 157.9 0.0 349.6

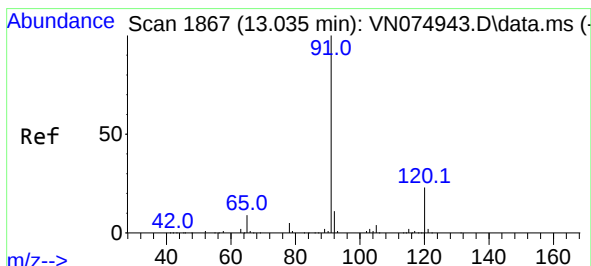
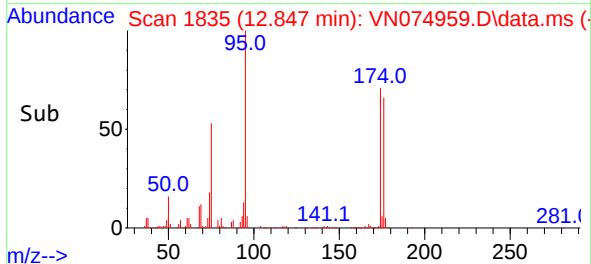
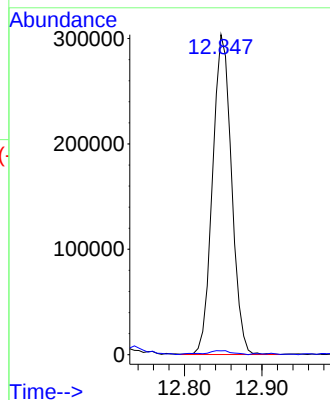
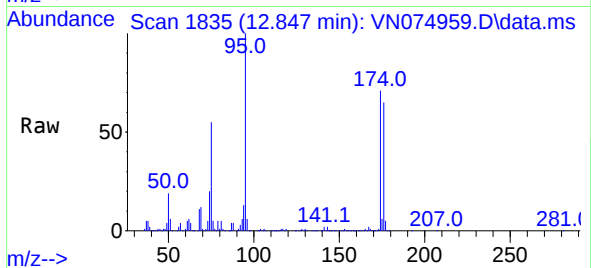




#76
1,2,3-Trichloropropane
Concen: 27.696 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

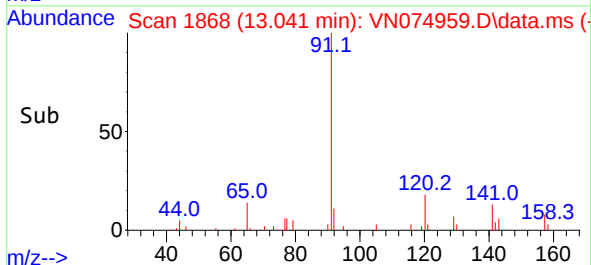
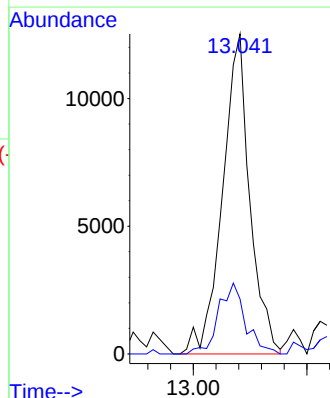
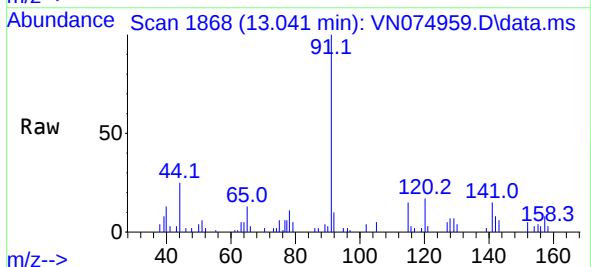
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

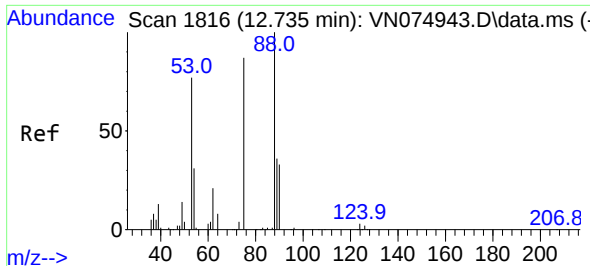
Tgt Ion: 75 Resp: 516647
Ion Ratio Lower Upper
75 100
77 1.8 81.0 243.0#



#78
n-propylbenzene
Concen: 0.318 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 91 Resp: 20917
Ion Ratio Lower Upper
91 100
120 21.9 11.5 34.4

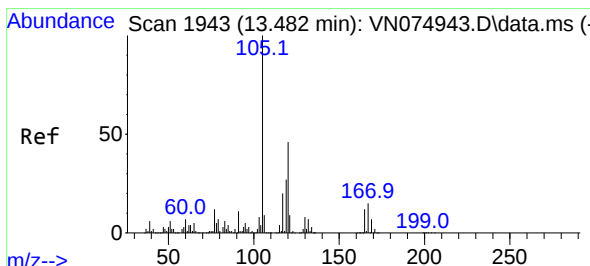
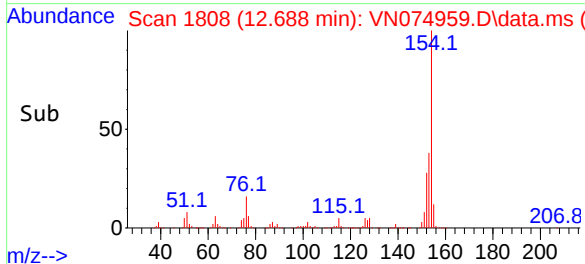
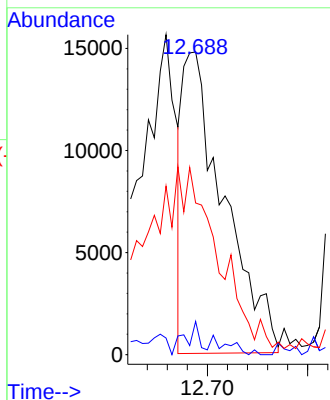
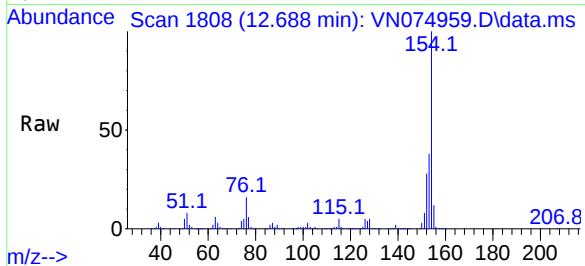




#81
trans-1,4-Dichloro-2-butene
Concen: 7.292 ug/l
RT: 12.688 min Scan# 1808
Delta R.T. -0.047 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

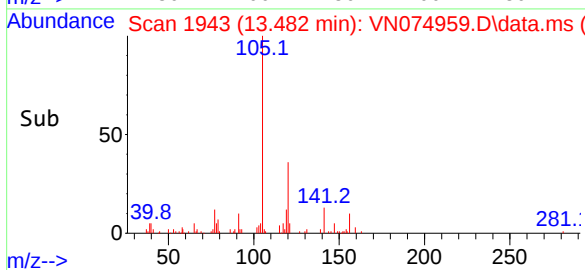
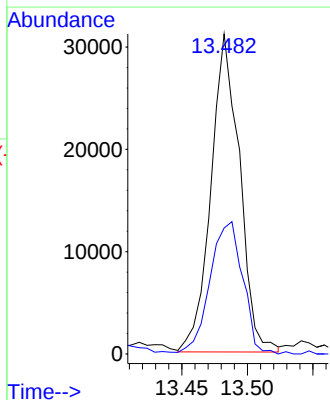
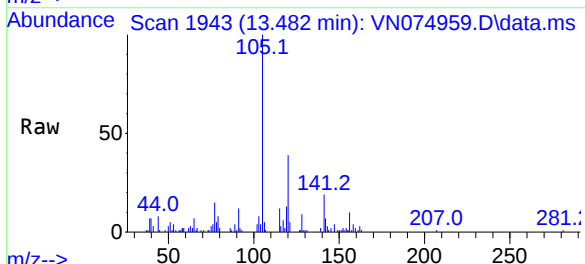
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

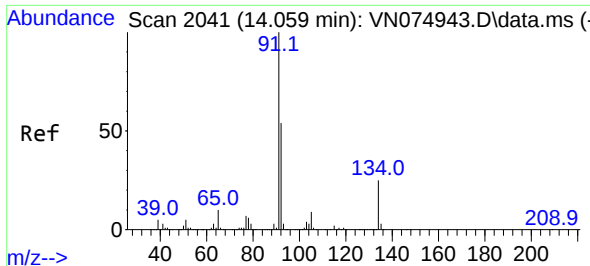
Tgt Ion: 75 Resp: 42426
Ion Ratio Lower Upper
75 100
53 1.0 79.2 118.8#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.965 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 105 Resp: 47292
Ion Ratio Lower Upper
105 100
120 47.7 22.9 68.5

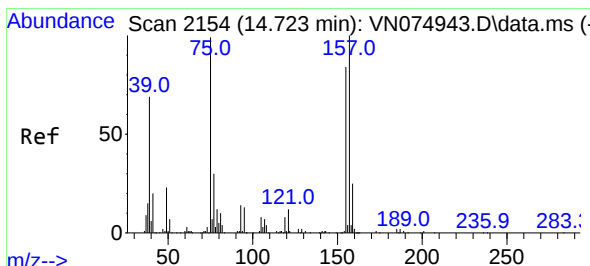
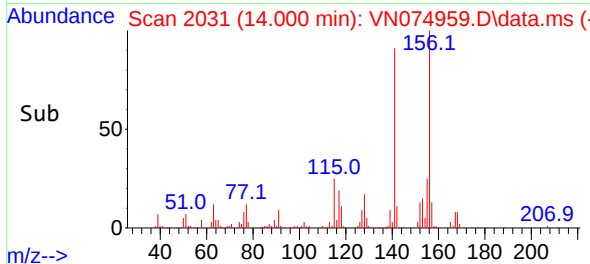
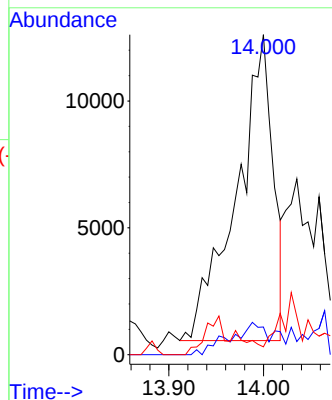
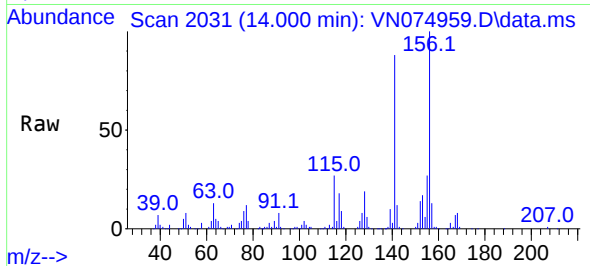




#89
n-Butylbenzene
Concen: 0.767 ug/l
RT: 14.000 min Scan# 2041
Delta R.T. -0.059 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

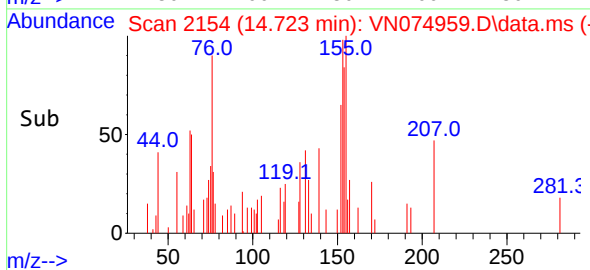
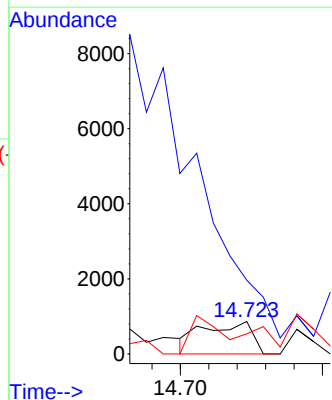
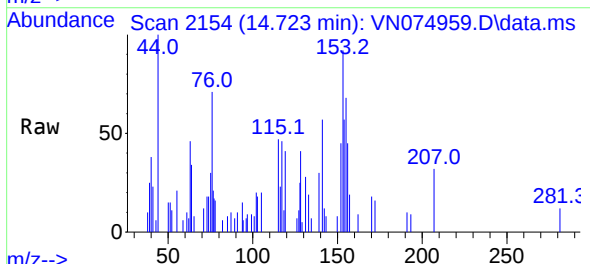
Instrument :
MSVOA_N
ClientSampleId :
MW-13D

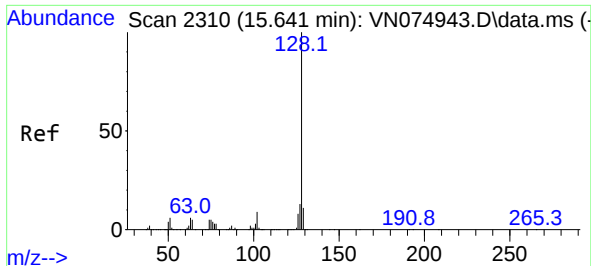
Tgt Ion: 91 Resp: 32538
Ion Ratio Lower Upper
91 100
92 4.0 26.3 78.9#
134 0.0 12.6 37.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.233 ug/l
RT: 14.723 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VN074959.D
Acq: 21 Oct 2022 14:11

Tgt Ion: 75 Resp: 1014
Ion Ratio Lower Upper
75 100
155 0.0 39.6 118.8#
157 0.0 47.8 143.4#





#95

Naphthalene

Concen: 34.276 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN074959.D

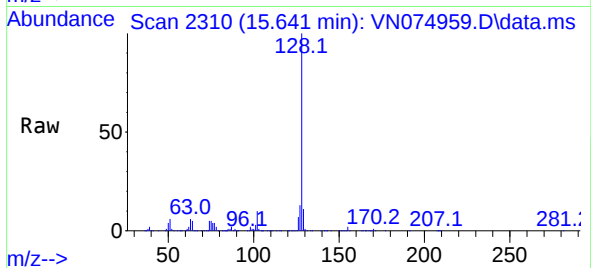
Acq: 21 Oct 2022 14:11

Instrument :

MSVOA_N

ClientSampleId :

MW-13D



Tgt Ion:128 Resp: 1432443

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.9 8.6 12.8

