

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043126.D
 Acq On : 24 Sep 2024 16:35
 Operator : JC/MD
 Sample : P4164-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW8-MW01D-20240919

Quant Time: Sep 25 01:32:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

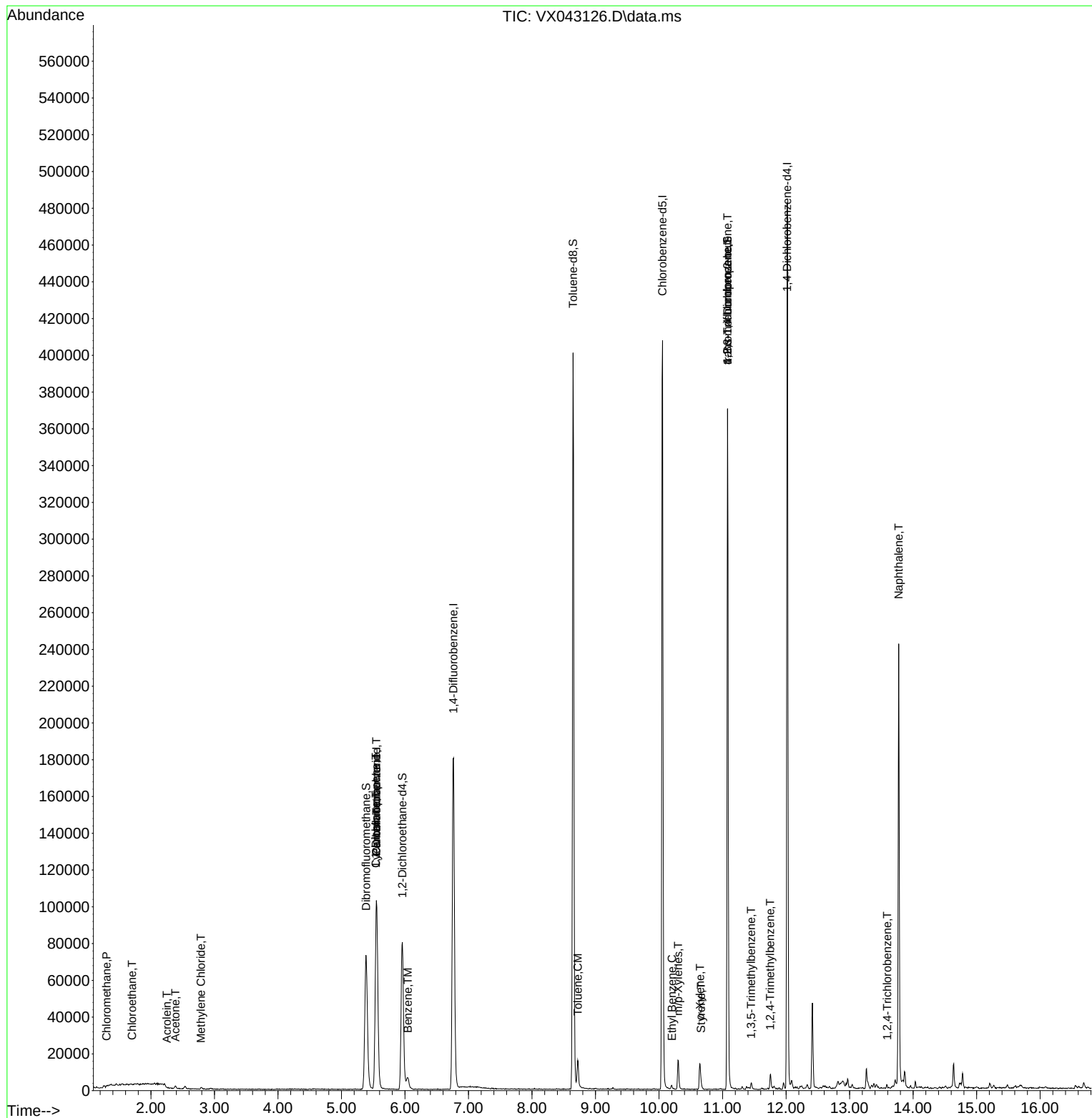
Internal Standards						
1) Pentafluorobenzene	5.550	168	94187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82756	52.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.800%			
35) Dibromofluoromethane	5.385	113	64290	48.950	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.647	98	229743	51.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.079	95	96255	53.791	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.580%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	425	0.414	ug/l #	87
6) Chloroethane	1.703	64	149	0.223	ug/l #	42
13) Acrolein	2.252	56	26	0.565	ug/l #	1
16) Acetone	2.386	43	1672	2.285	ug/l #	87
20) Methylene Chloride	2.788	84	424	0.364	ug/l #	78
31) Cyclohexane	5.544	56	2508	1.630	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	8043	4.984	ug/l #	50
38) Carbon Tetrachloride	5.550	117	10464	5.033	ug/l #	15
40) Benzene	6.044	78	6998	1.470	ug/l	97
52) Toluene	8.720	92	5716	1.864	ug/l	92
67) Ethyl Benzene	10.201	91	1487	0.220	ug/l	90
68) m/p-Xylenes	10.299	106	3944	1.570	ug/l	95
69) o-Xylene	10.646	106	3169	1.258	ug/l	97
70) Styrene	10.659	104	1737	0.413	ug/l #	71
76) 1,2,3-Trichloropropane	11.079	75	52930	25.699	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	1814	0.302	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	52930	61.230	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	4355	0.728	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	430	0.221	ug/l	96
95) Naphthalene	13.774	128	147966	21.924	ug/l	100

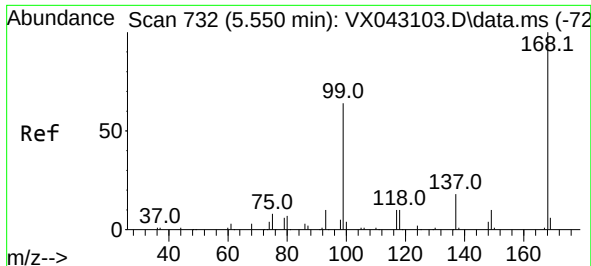
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RW8-MW01D-20240919

Quant Time: Sep 25 01:32:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration

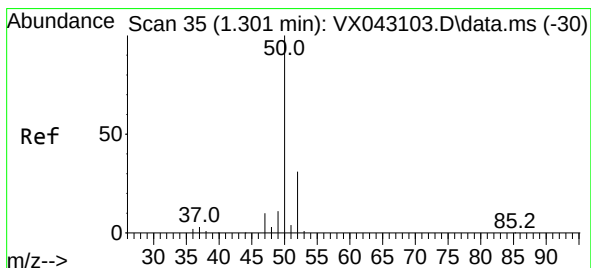
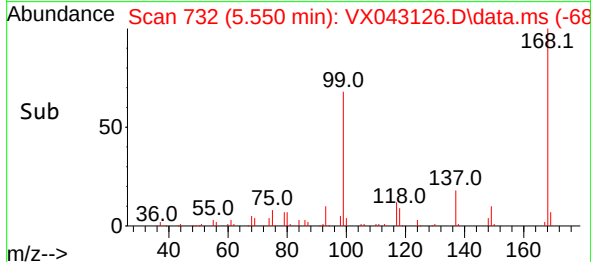
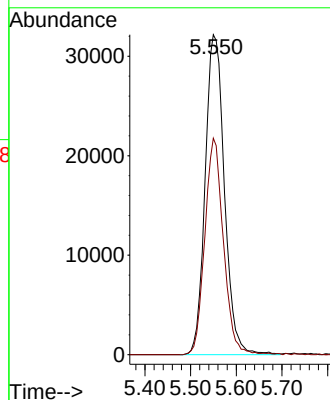
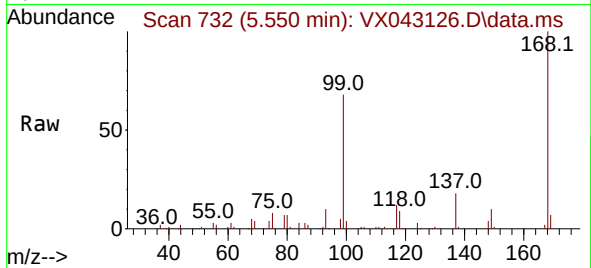




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

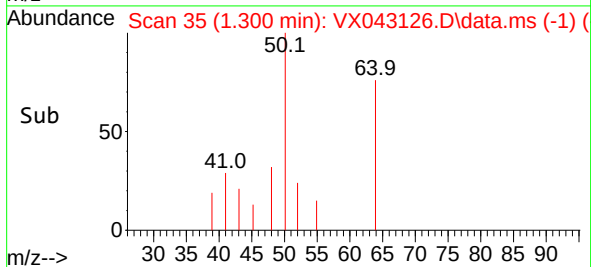
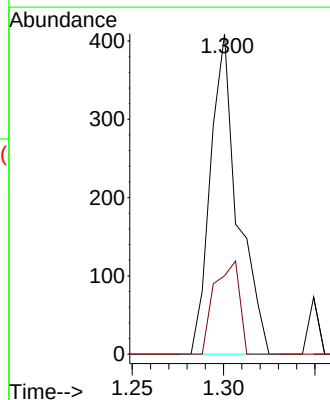
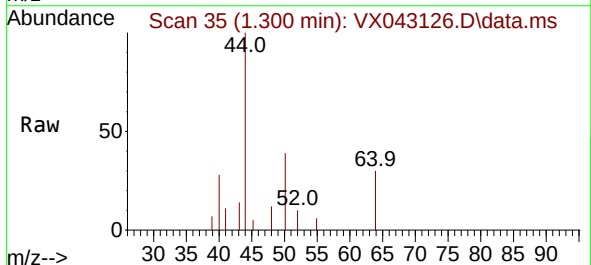
Instrument : MSVOA_X
ClientSampleId : RW8-MW01D-20240919

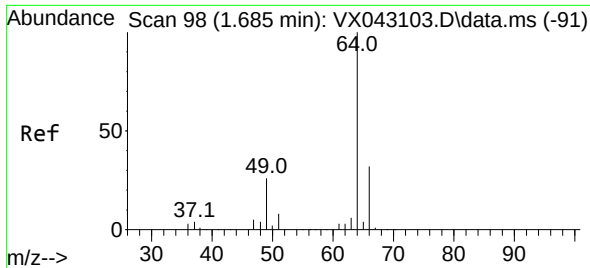
Tgt Ion:168 Resp: 94187
Ion Ratio Lower Upper
168 100
99 67.6 50.8 76.2



#3
Chloromethane
Concen: 0.414 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion: 50 Resp: 425
Ion Ratio Lower Upper
50 100
52 24.4 25.1 37.7#

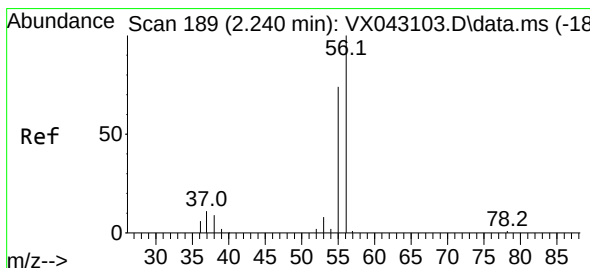
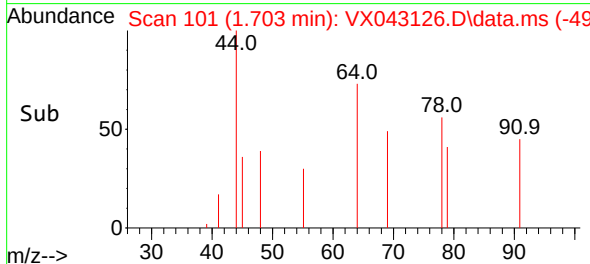
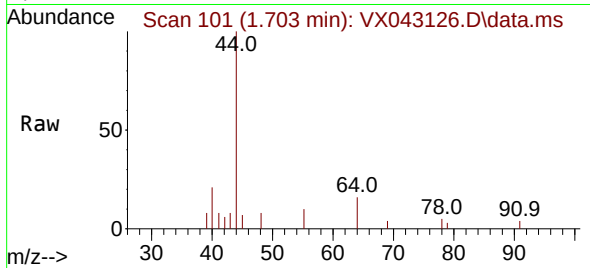




#6
Chloroethane
Concen: 0.223 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

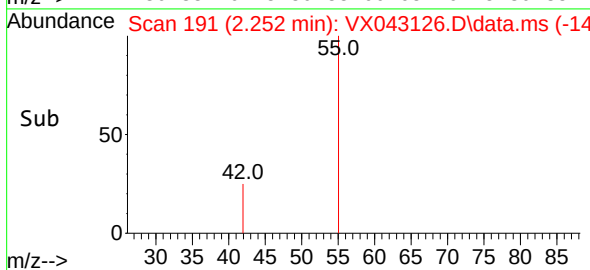
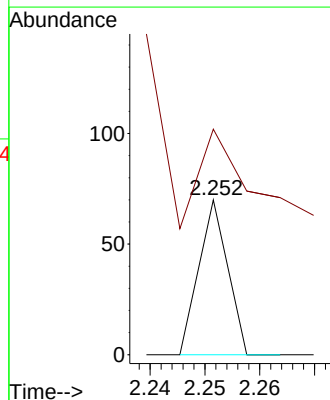
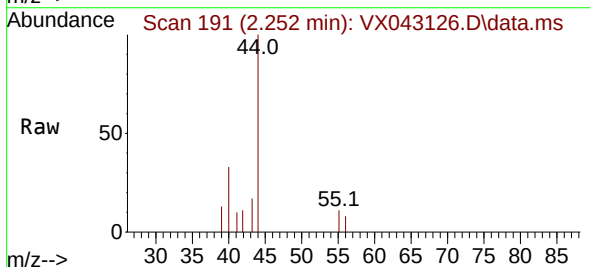
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D-20240919

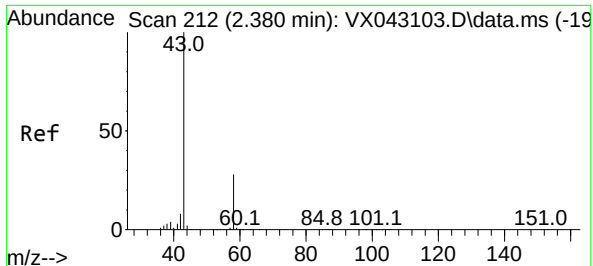
Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#



#13
Acrolein
Concen: 0.565 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 719.2 55.8 83.6#

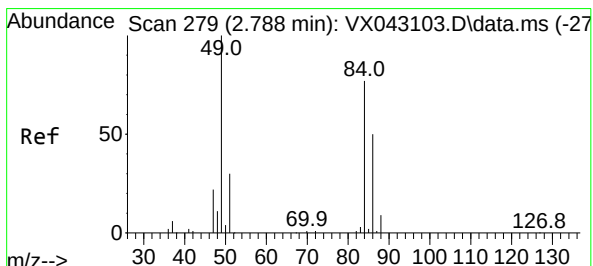
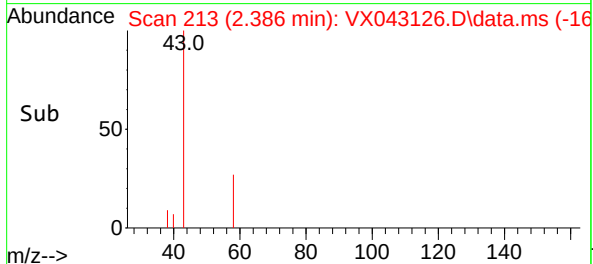
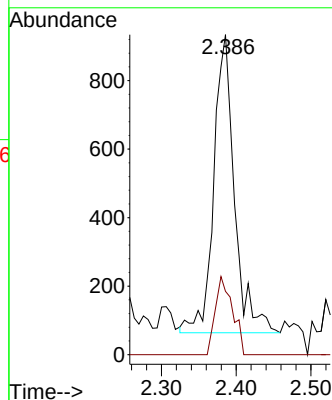
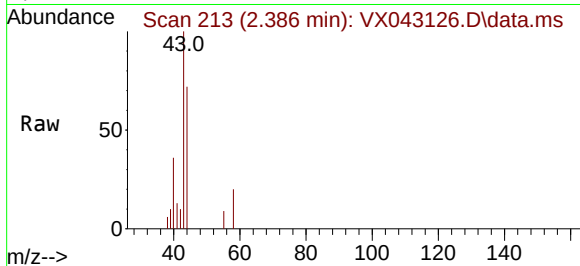




#16
Acetone
Concen: 2.285 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

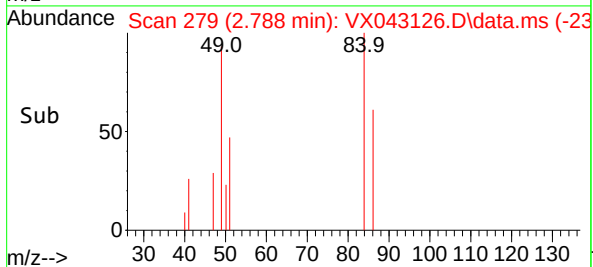
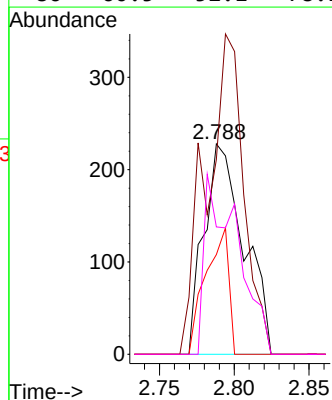
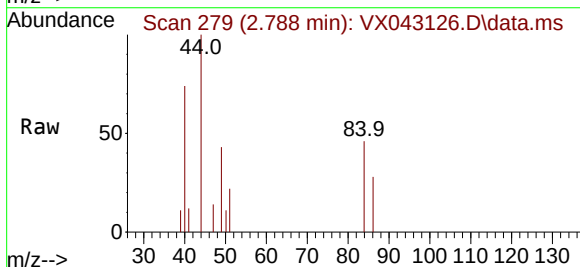
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D-20240919

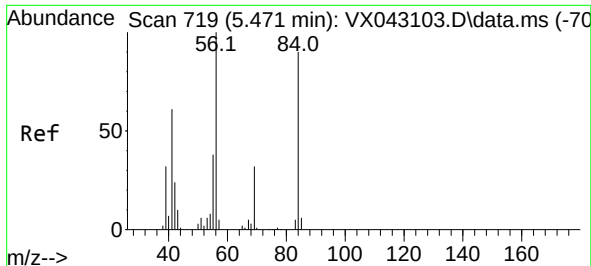
Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
58 21.3 22.6 34.0#



#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

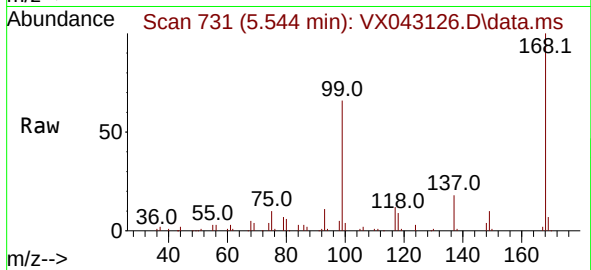
Tgt Ion: 84 Resp: 424
Ion Ratio Lower Upper
84 100
49 92.5 104.1 156.1#
51 47.4 31.1 46.7#
86 60.5 52.1 78.1



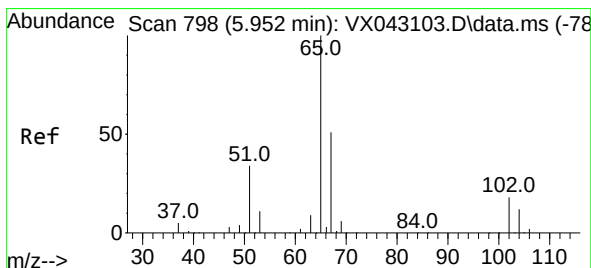
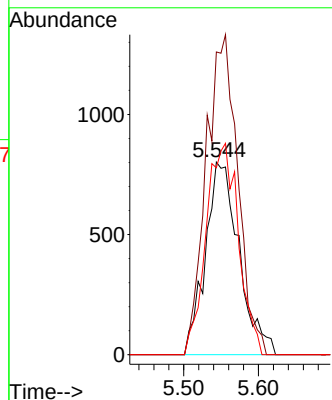
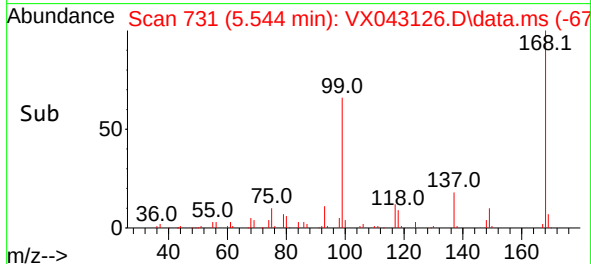


#31
Cyclohexane
Concen: 1.630 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D-20240919

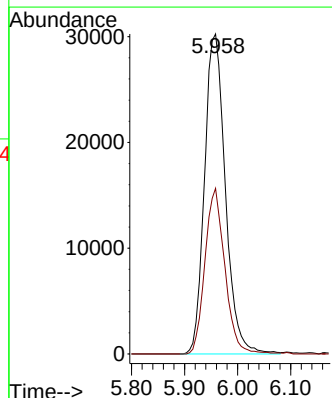
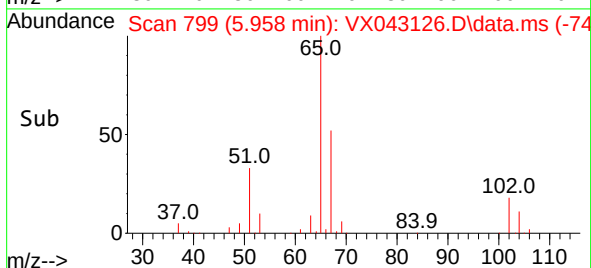
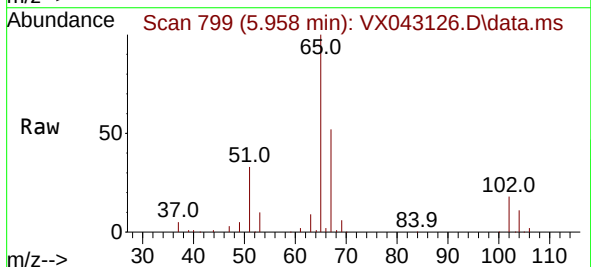


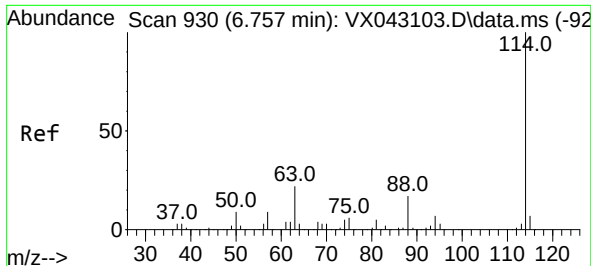
Tgt Ion: 56 Resp: 2508
Ion Ratio Lower Upper
56 100
69 157.1 25.8 38.6#
84 97.0 72.4 108.6



#33
1,2-Dichloroethane-d4
Concen: 52.896 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion: 65 Resp: 82756
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

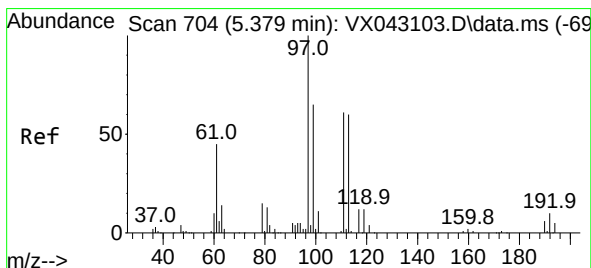
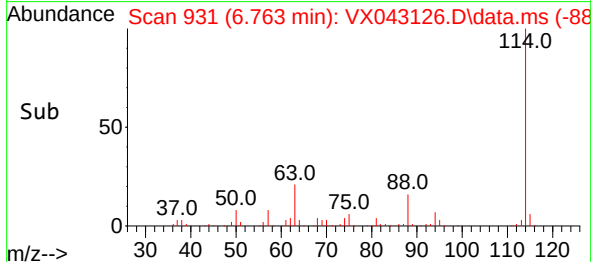
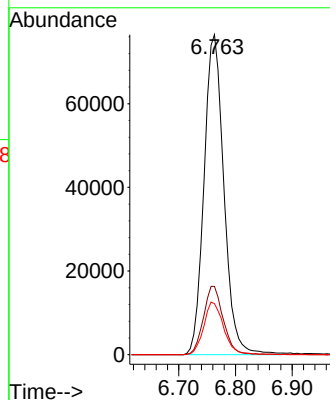
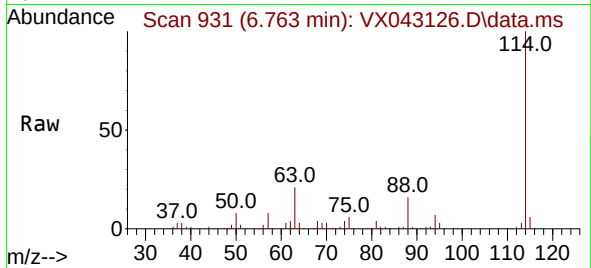




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

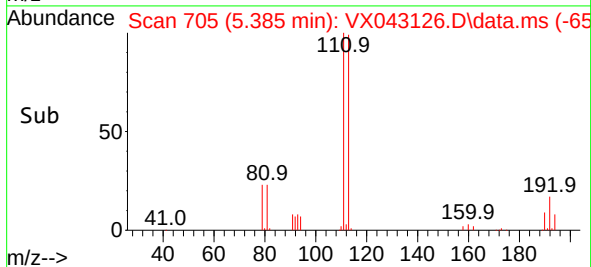
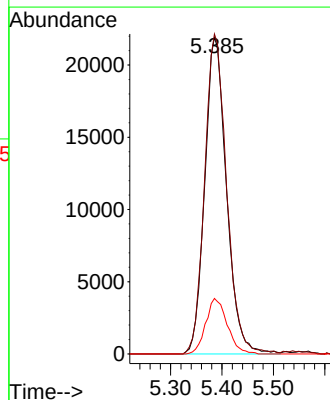
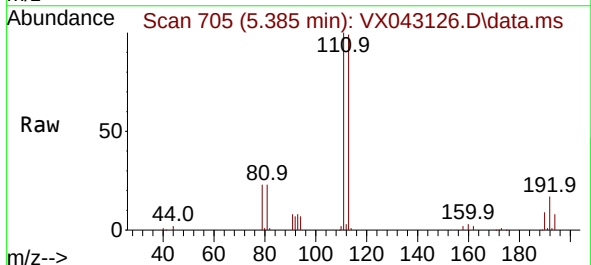
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D-20240919

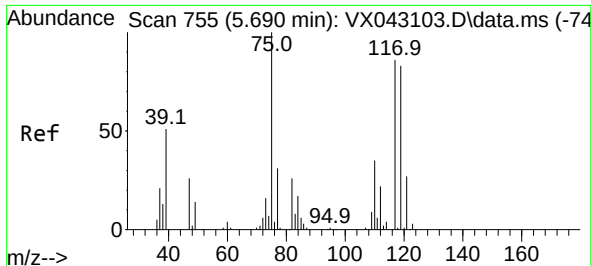
Tgt Ion:114 Resp: 186180
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.950 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion:113 Resp: 64290
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 17.3 14.6 22.0

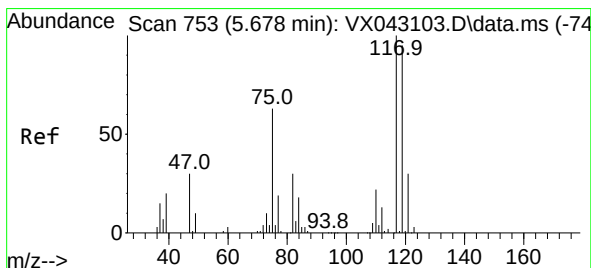
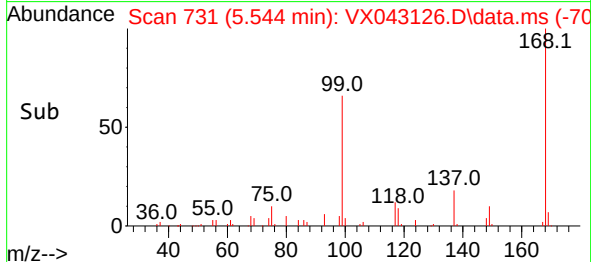
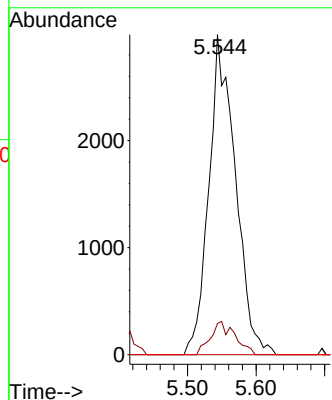
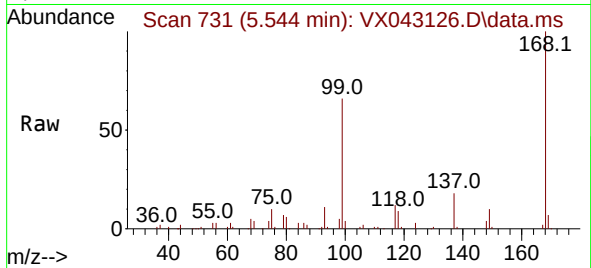




#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

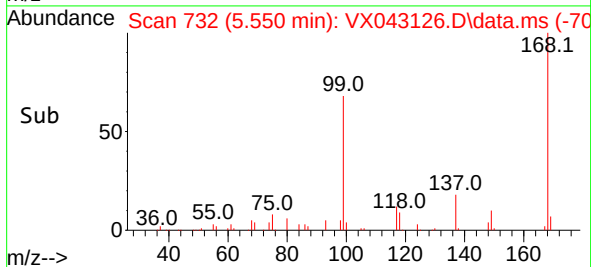
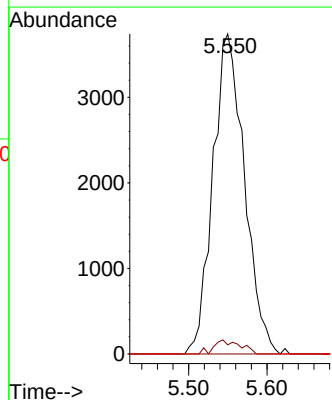
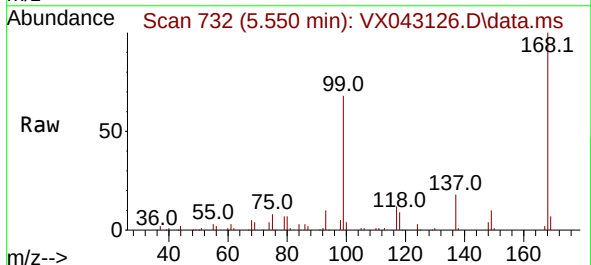
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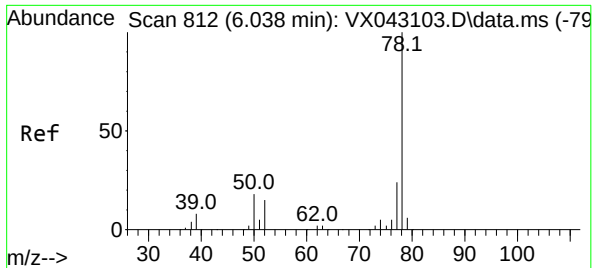
Tgt Ion: 75 Resp: 8043
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.033 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion: 117 Resp: 10464
Ion Ratio Lower Upper
117 100
119 2.8 75.5 113.3#
121 0.0 24.2 36.2#





#40

Benzene

Concen: 1.470 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX043126.D

Acq: 24 Sep 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

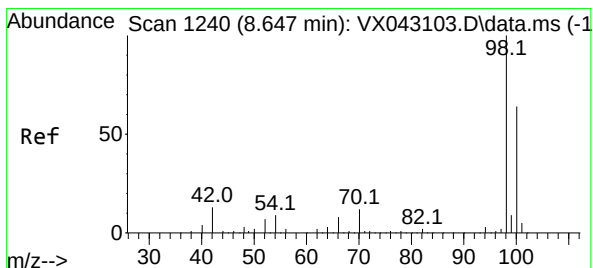
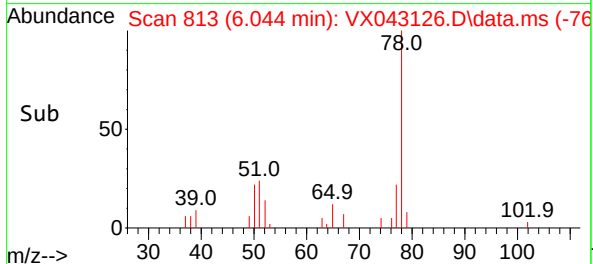
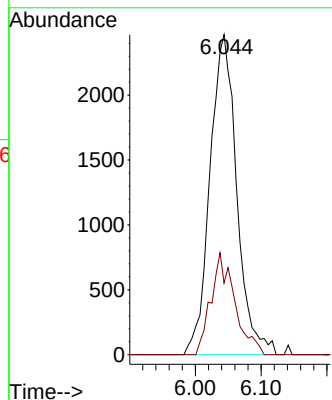
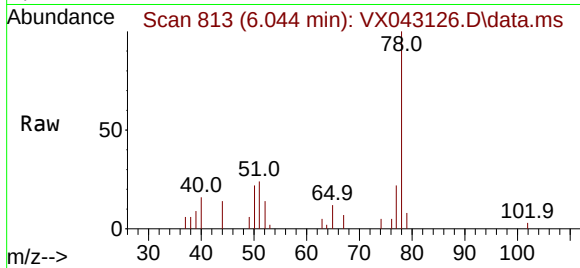
RW8-MW01D-20240919

Tgt Ion: 78 Resp: 6998

Ion Ratio Lower Upper

78 100

77 22.4 19.3 28.9



#50

Toluene-d8

Concen: 51.704 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043126.D

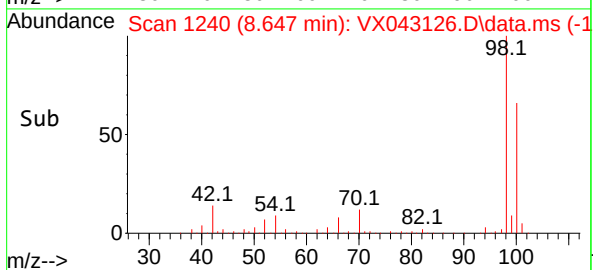
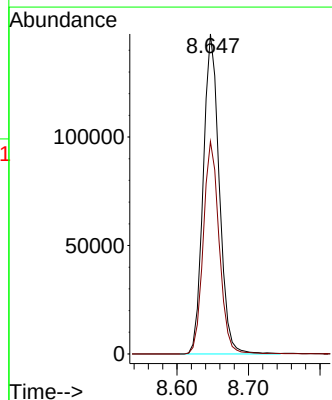
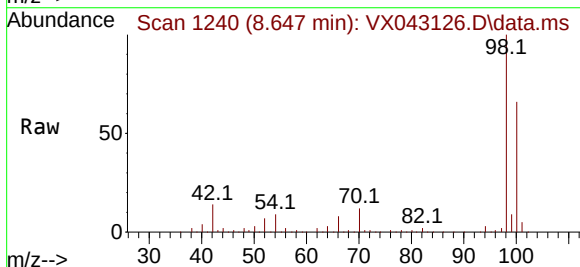
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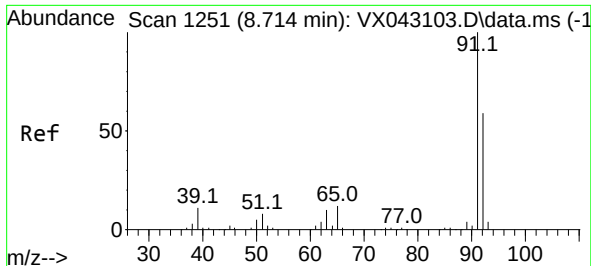
Tgt Ion: 98 Resp: 229743

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4

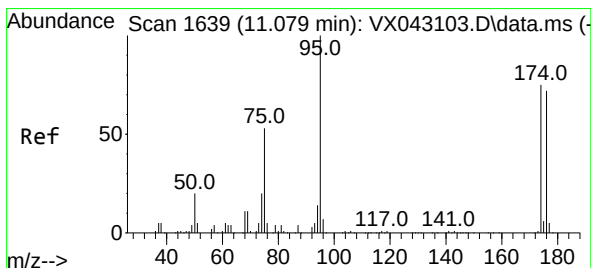
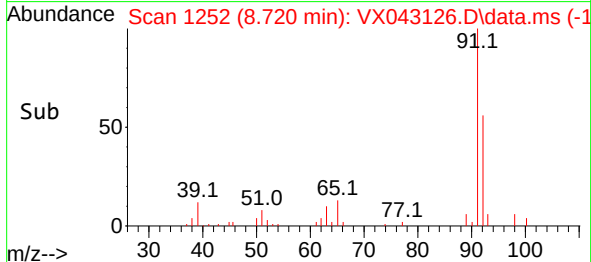
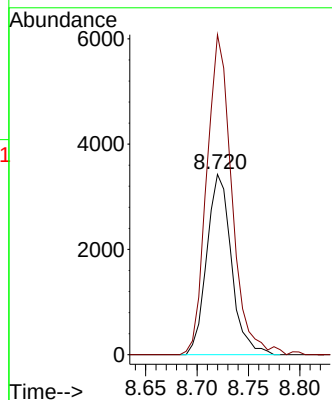
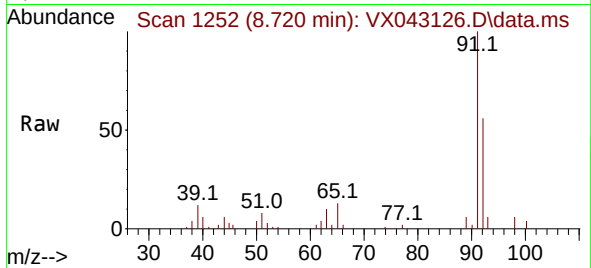




#52
Toluene
Concen: 1.864 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

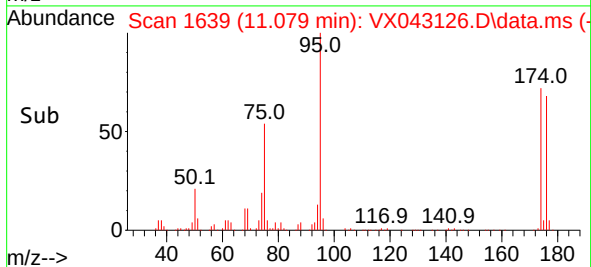
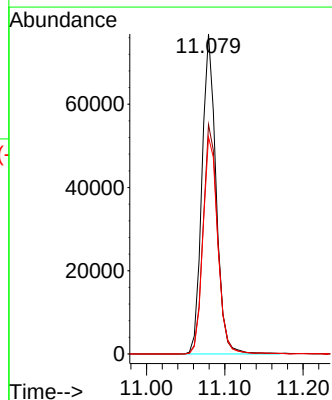
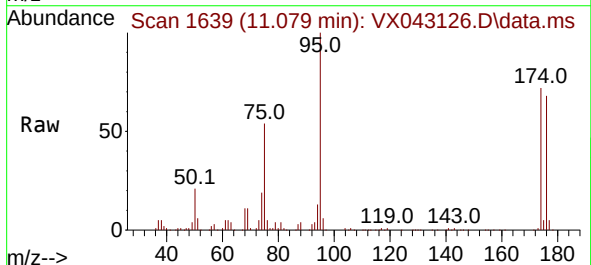
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D-20240919

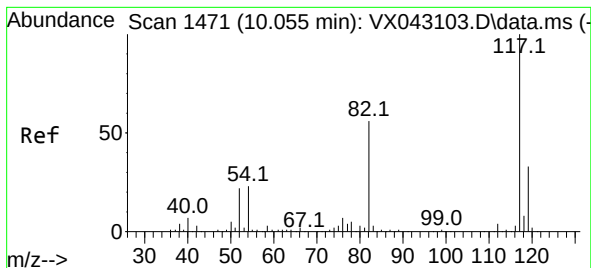
Tgt Ion: 92 Resp: 5716
Ion Ratio Lower Upper
92 100
91 180.6 135.9 203.9



#62
4-Bromofluorobenzene
Concen: 53.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion: 95 Resp: 96255
Ion Ratio Lower Upper
95 100
174 73.4 0.0 146.0
176 70.8 0.0 142.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043126.D

Acq: 24 Sep 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW01D-20240919

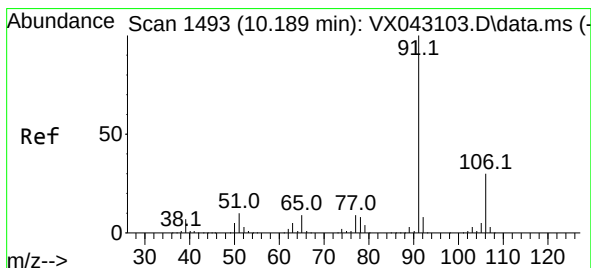
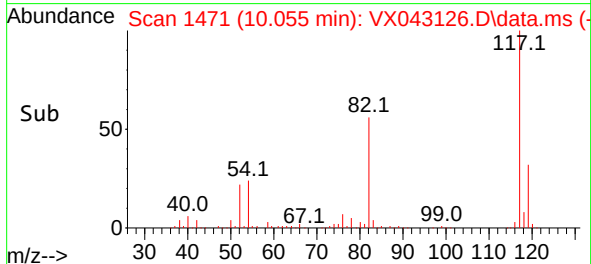
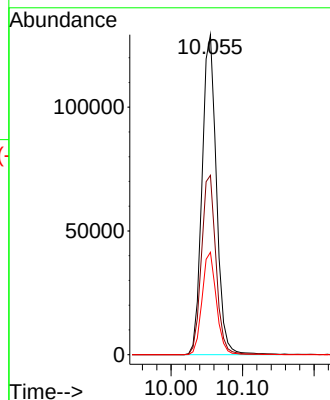
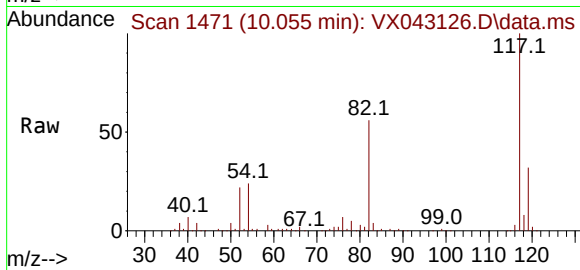
Tgt Ion:117 Resp: 180891

Ion Ratio Lower Upper

117 100

82 56.1 44.7 67.1

119 32.0 26.3 39.5



#67

Ethyl Benzene

Concen: 0.220 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX043126.D

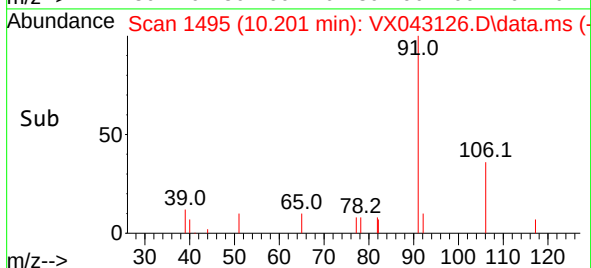
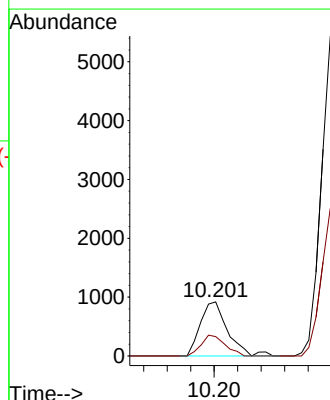
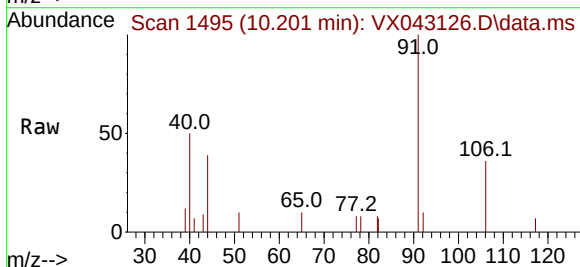
Acq: 24 Sep 2024 16:35

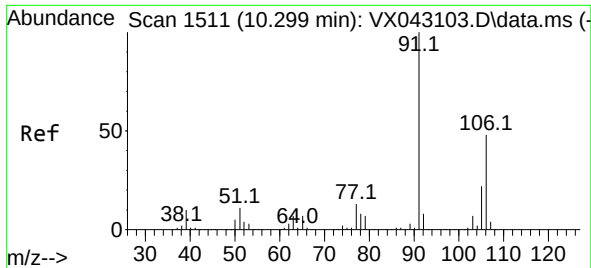
Tgt Ion: 91 Resp: 1487

Ion Ratio Lower Upper

91 100

106 35.9 24.2 36.4

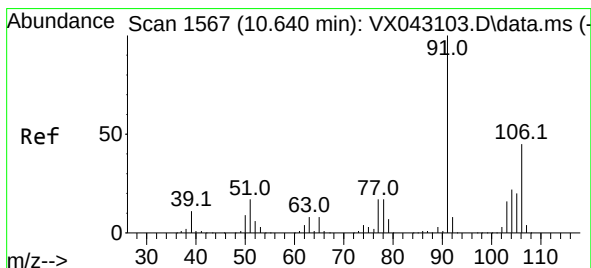
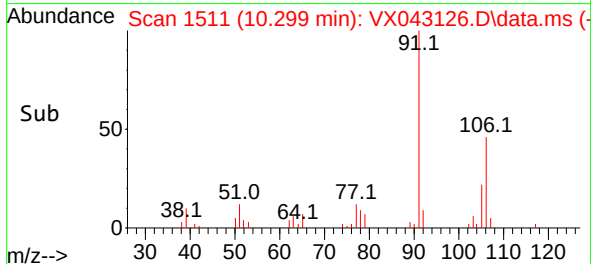
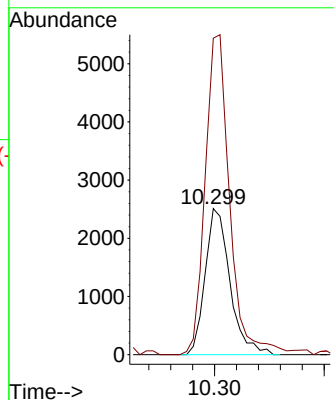
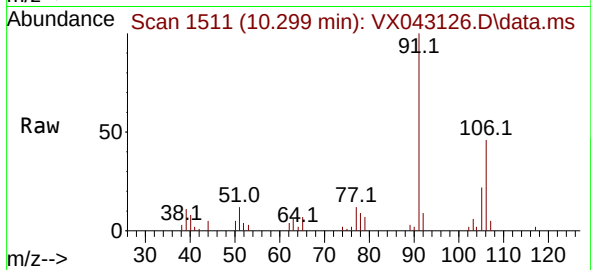




#68
m/p-Xylenes
Concen: 1.570 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

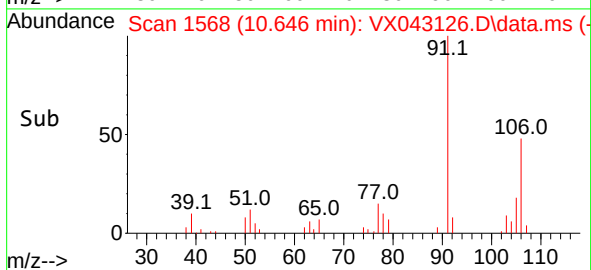
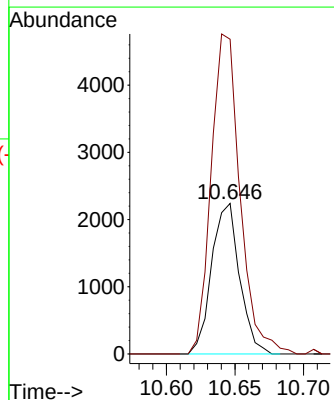
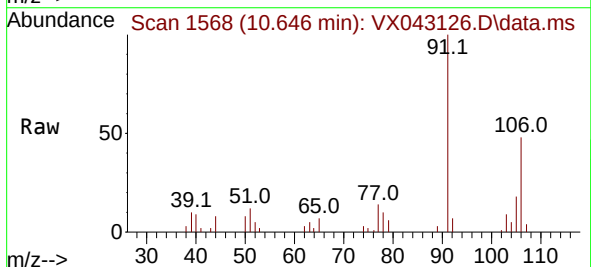
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D-20240919

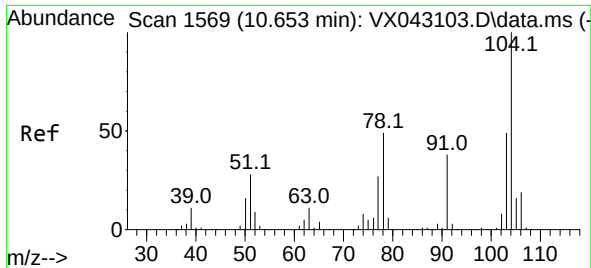
Tgt Ion:106 Resp: 3944
Ion Ratio Lower Upper
106 100
91 217.8 167.5 251.3



#69
o-Xylene
Concen: 1.258 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion:106 Resp: 3169
Ion Ratio Lower Upper
106 100
91 220.2 112.5 337.4





#70

Styrene

Concen: 0.413 ug/l

RT: 10.659 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043126.D

Acq: 24 Sep 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW01D-20240919

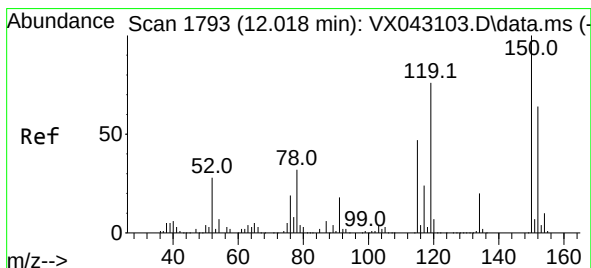
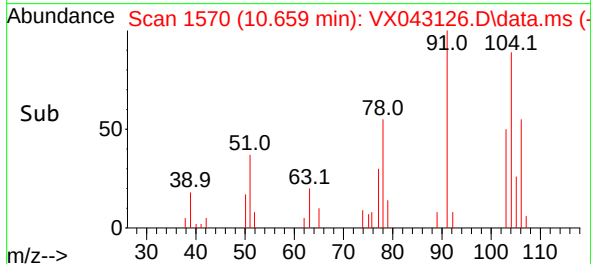
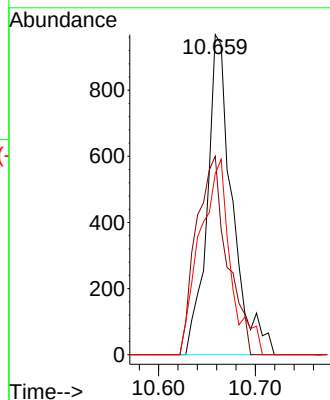
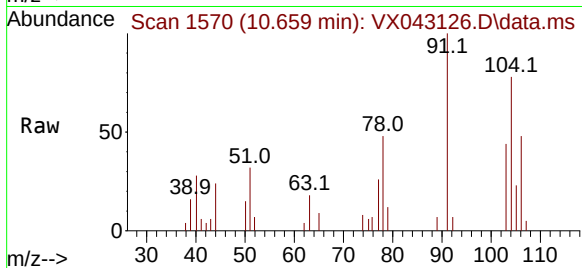
Tgt Ion:104 Resp: 1737

Ion Ratio Lower Upper

104 100

78 76.2 44.3 66.5#

103 75.2 43.4 65.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX043126.D

Acq: 24 Sep 2024 16:35

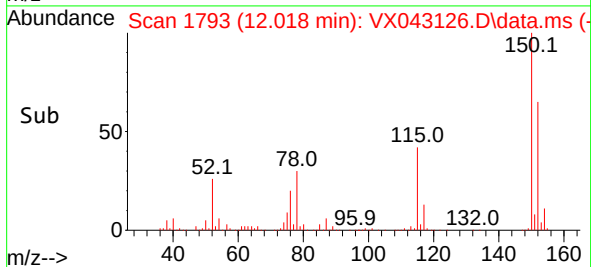
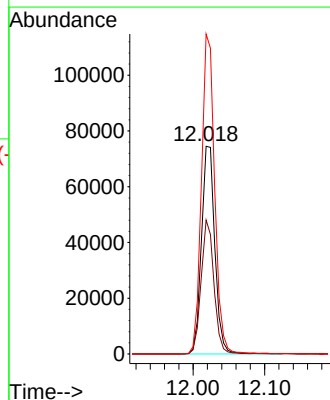
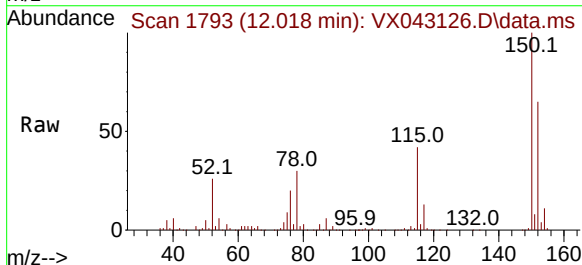
Tgt Ion:152 Resp: 96875

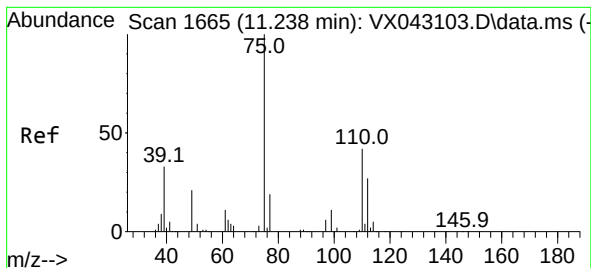
Ion Ratio Lower Upper

152 100

115 61.6 43.7 131.1

150 152.2 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 25.699 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043126.D

Acq: 24 Sep 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

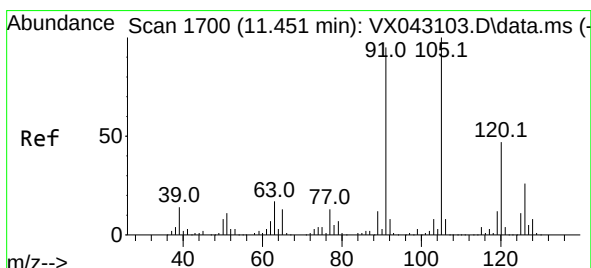
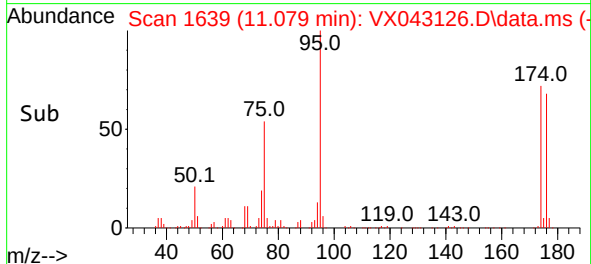
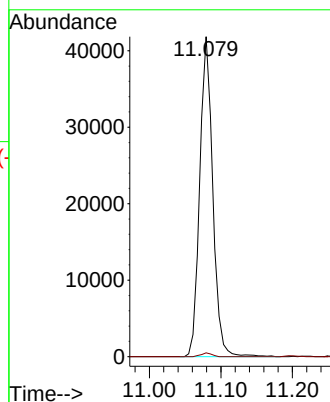
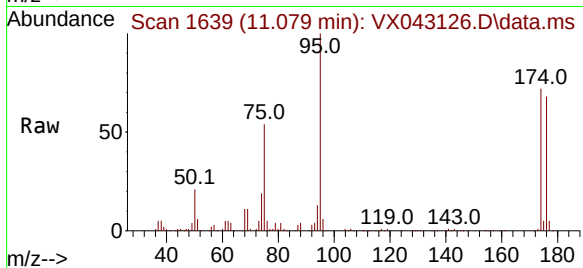
RW8-MW01D-20240919

Tgt Ion: 75 Resp: 52930

Ion Ratio Lower Upper

75 100

77 1.0 21.9 65.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.302 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043126.D

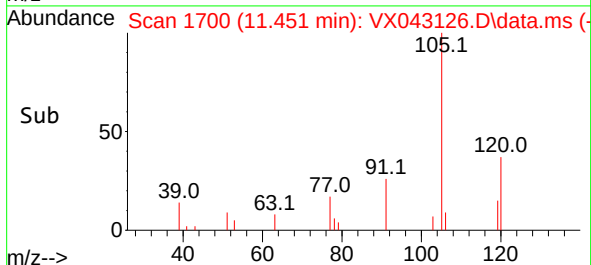
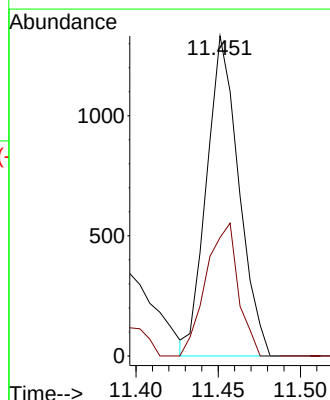
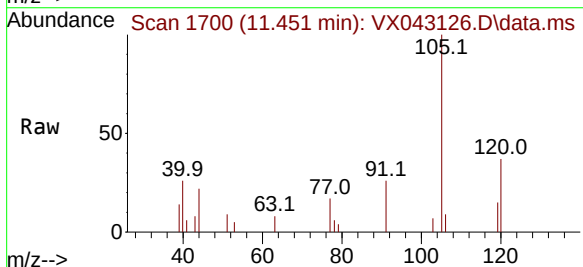
Acq: 24 Sep 2024 16:35

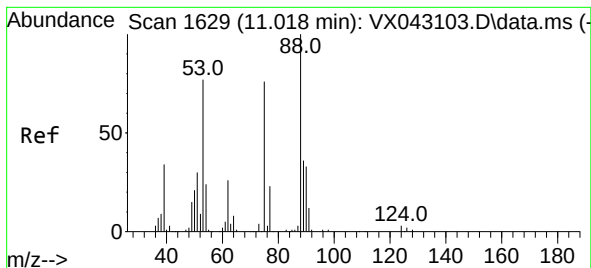
Tgt Ion: 105 Resp: 1814

Ion Ratio Lower Upper

105 100

120 41.6 23.5 70.5

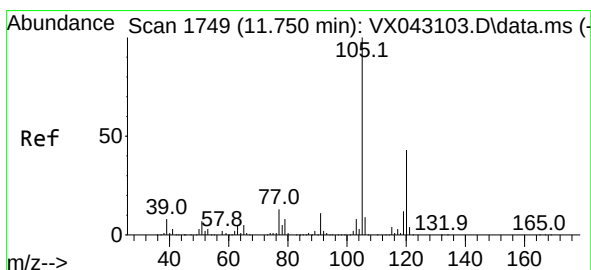
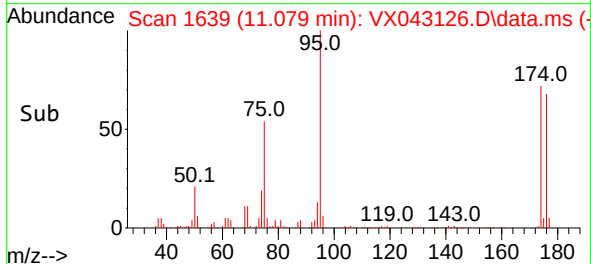
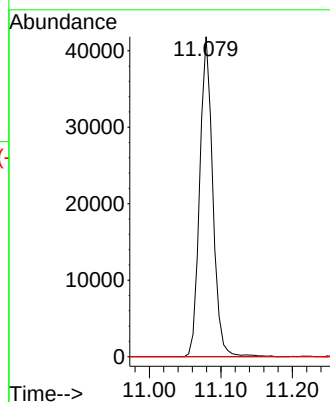
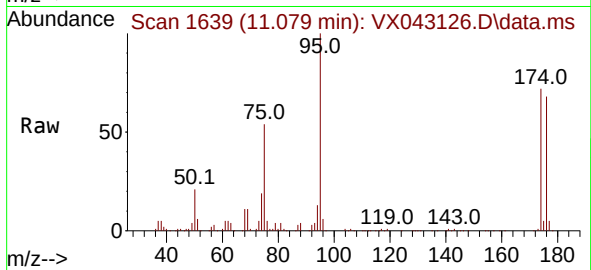




#81
trans-1,4-Dichloro-2-butene
Concen: 61.230 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

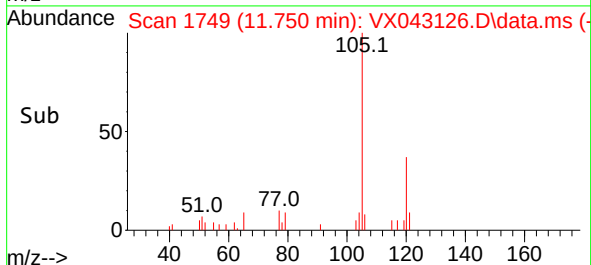
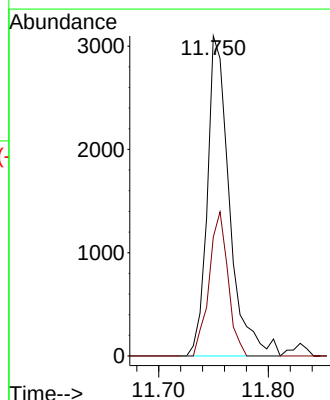
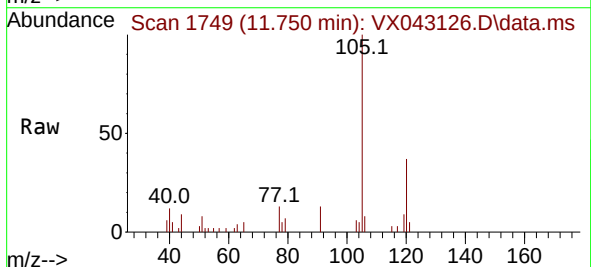
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D-20240919

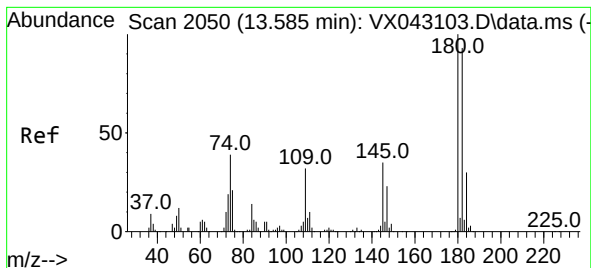
Tgt Ion: 75 Resp: 52930
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.728 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043126.D
Acq: 24 Sep 2024 16:35

Tgt Ion: 105 Resp: 4355
Ion Ratio Lower Upper
105 100
120 38.4 21.8 65.4





#93

1,2,4-Trichlorobenzene

Concen: 0.221 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043126.D

Acq: 24 Sep 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW01D-20240919

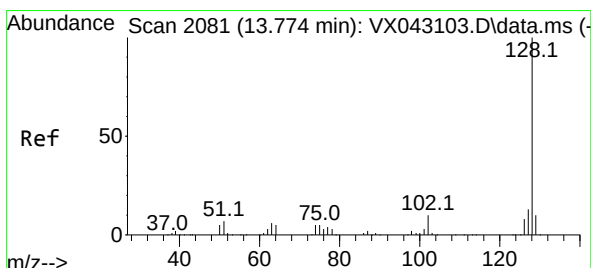
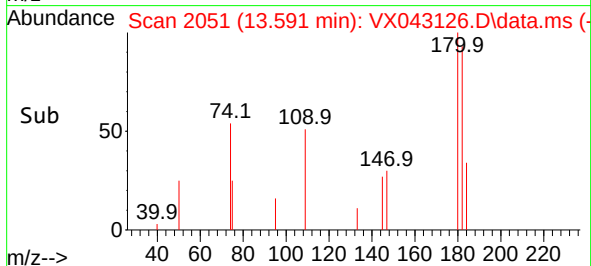
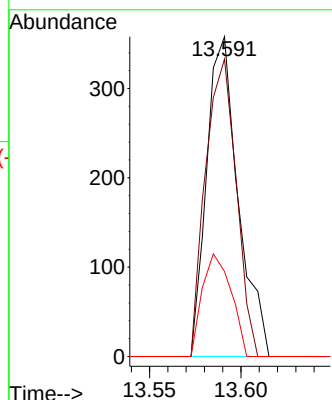
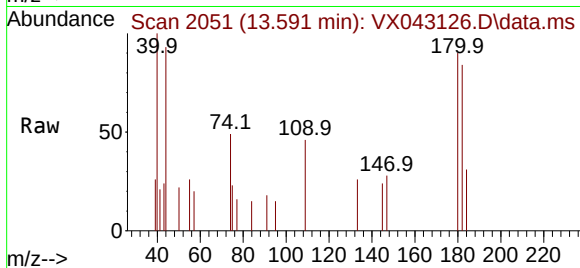
Tgt Ion:180 Resp: 430

Ion Ratio Lower Upper

180 100

182 90.5 46.7 140.0

145 29.3 17.0 50.9



#95

Naphthalene

Concen: 21.924 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043126.D

Acq: 24 Sep 2024 16:35

Tgt Ion:128 Resp: 147966

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.8 8.6 13.0

