

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043117.D
 Acq On : 24 Sep 2024 12:44
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Sep 25 01:25:24 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	5.556	168	94917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96798	50.000	ug/l	0.00

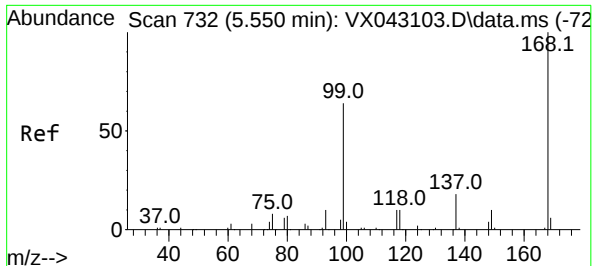
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83093	52.703	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.400%
35) Dibromofluoromethane	5.385	113	62671	47.265	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.520%
50) Toluene-d8	8.647	98	235469	52.490	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.980%
62) 4-Bromofluorobenzene	11.079	95	98897	54.743	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.480%

Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	761	2.162	ug/l #	71
13) Acrolein	2.245	56	20	0.431	ug/l #	15
16) Acetone	2.380	43	975	1.322	ug/l	91
20) Methylene Chloride	2.794	84	310	0.264	ug/l #	72
31) Cyclohexane	5.550	56	2583	1.666	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	8037	4.933	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10562	5.032	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	53349	25.923	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	53349	61.763	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.756	105	1989	0.333	ug/l	92
88) 1,4-Dichlorobenzene	12.036	146	729	0.229	ug/l #	1
89) n-Butylbenzene	12.335	91	1719	0.312	ug/l #	86
90) Hexachloroethane	12.536	117	255	0.203	ug/l #	36
92) 1,2-Dibromo-3-Chloropr...	12.762	75	161	0.255	ug/l #	39
93) 1,2,4-Trichlorobenzene	13.591	180	623	0.321	ug/l #	90
95) Naphthalene	13.780	128	3372	0.500	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.963	180	525	0.272	ug/l #	86

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

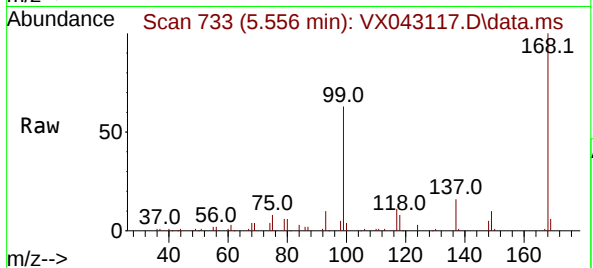
Quant Time: Sep 25 01:25:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration



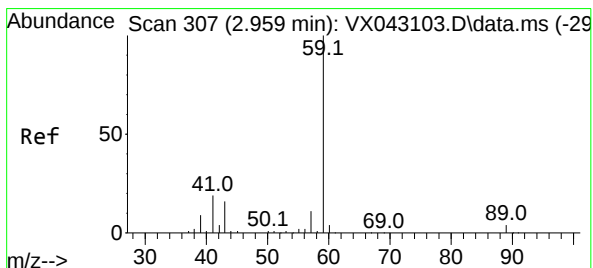
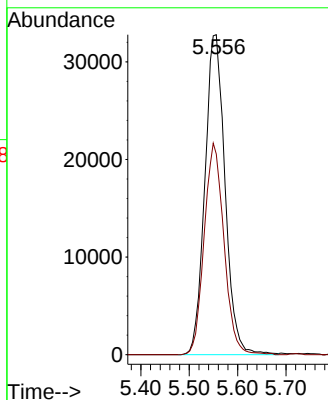
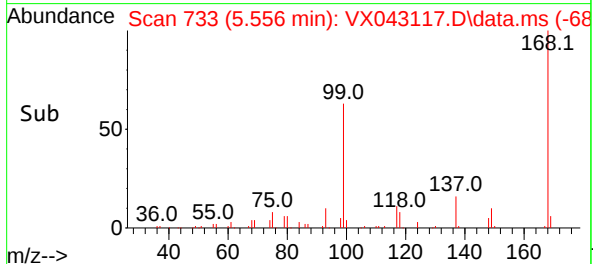


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

Instrument :
MSVOA_X
ClientSampleId :
IBLK

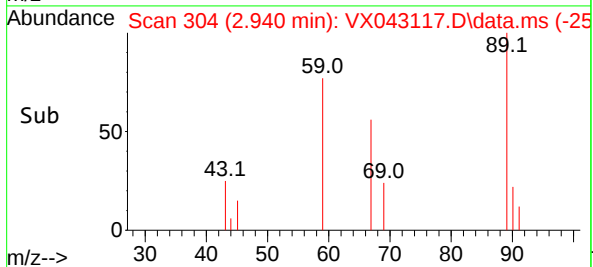
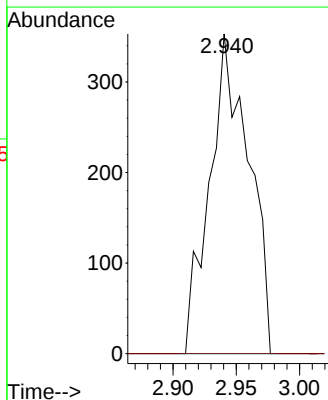
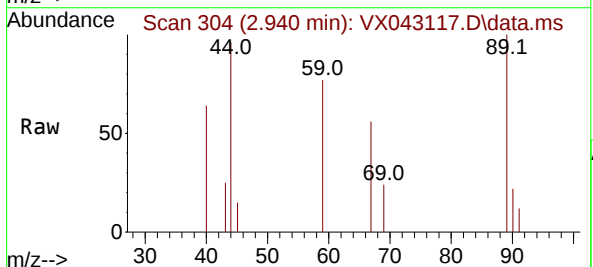


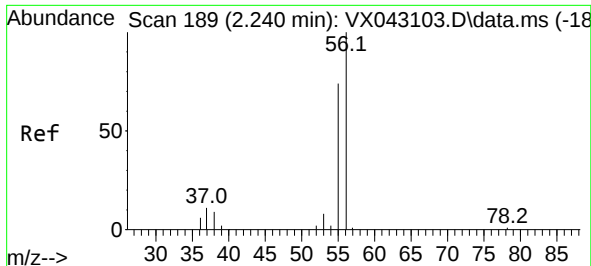
Tgt Ion:168 Resp: 94917
Ion Ratio Lower Upper
168 100
99 62.7 50.8 76.2



#11
Tert butyl alcohol
Concen: 2.162 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

Tgt Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

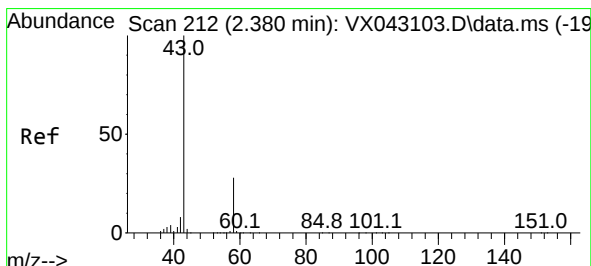
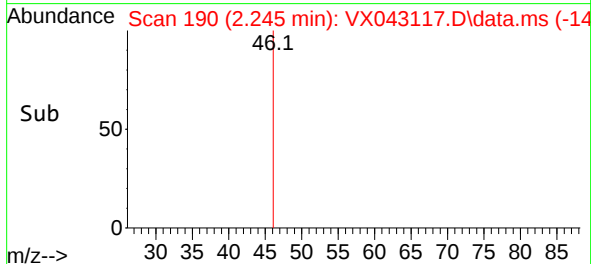
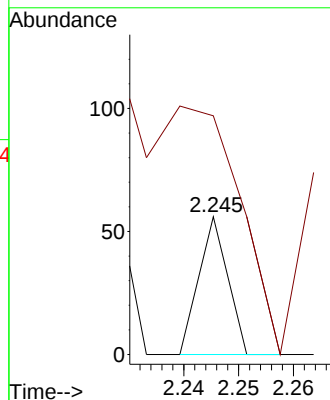
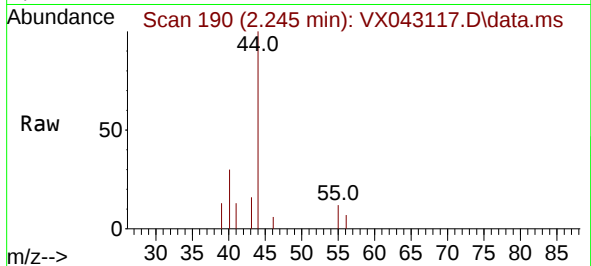




#13
Acrolein
Concen: 0.431 ug/l
RT: 2.245 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

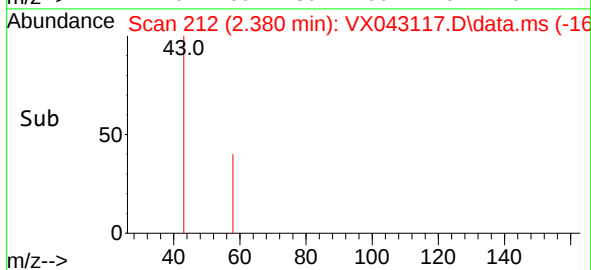
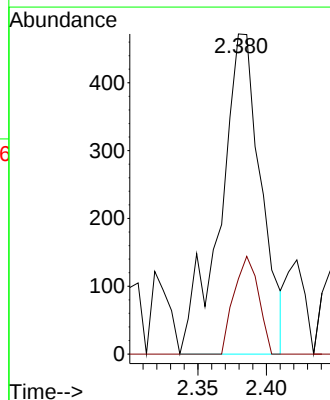
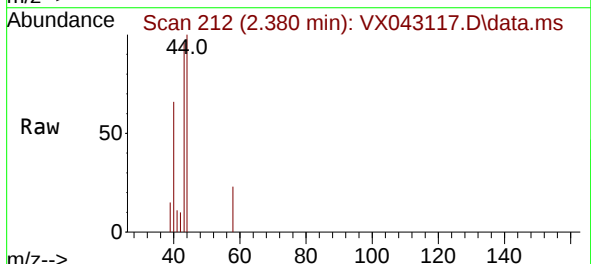
Instrument :
MSVOA_X
ClientSampleId :
IBLK

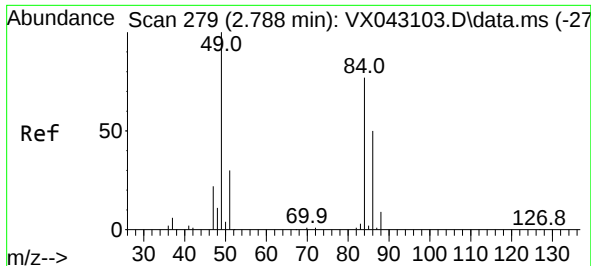
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 1.322 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
58 23.5 22.6 34.0





#20

Methylene Chloride

Concen: 0.264 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 310

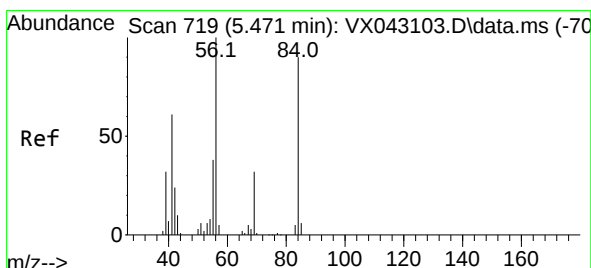
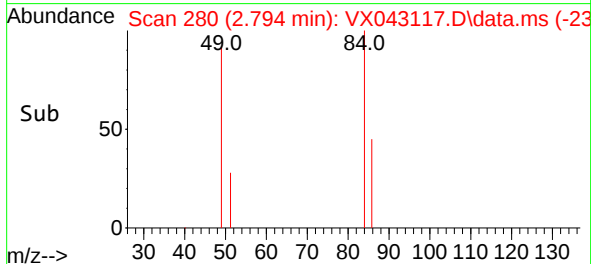
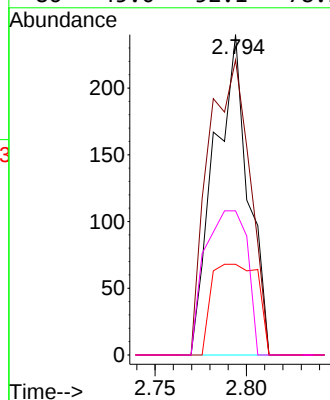
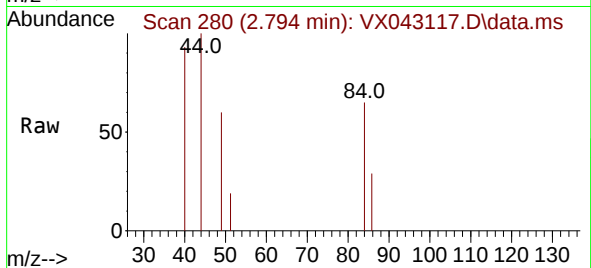
Ion Ratio Lower Upper

84 100

49 92.1 104.1 156.1#

51 28.3 31.1 46.7#

86 45.0 52.1 78.1#



#31

Cyclohexane

Concen: 1.666 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

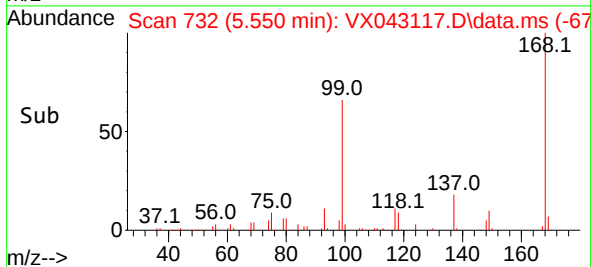
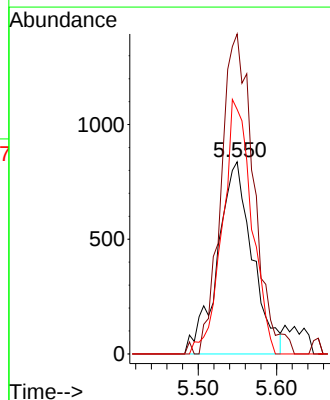
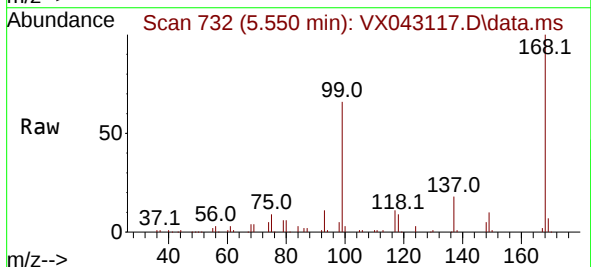
Tgt Ion: 56 Resp: 2583

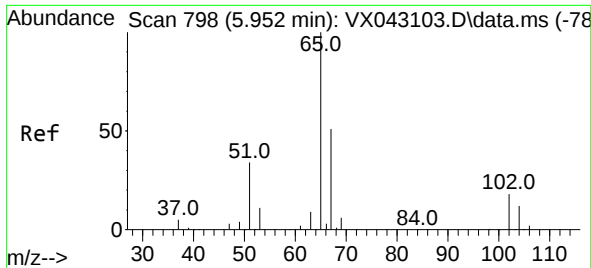
Ion Ratio Lower Upper

56 100

69 166.5 25.8 38.6#

84 127.2 72.4 108.6#

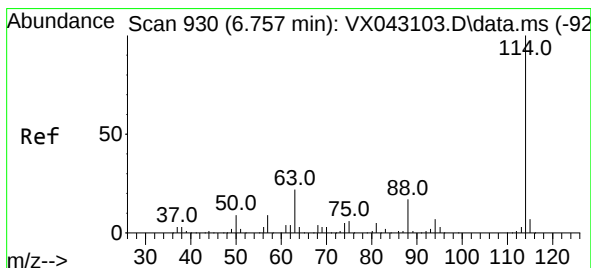
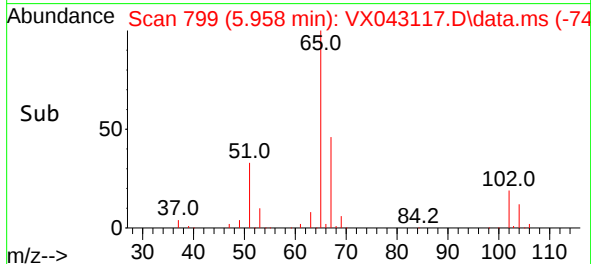
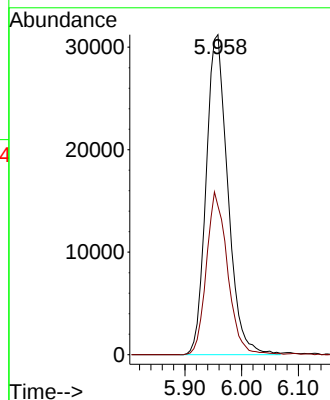
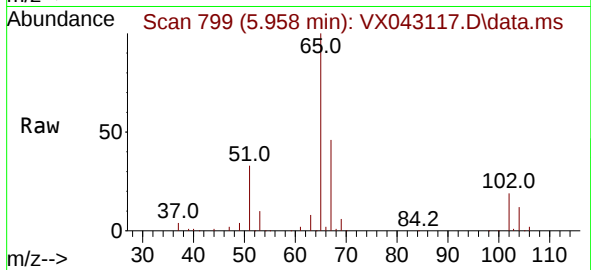




#33
 1,2-Dichloroethane-d4
 Concen: 52.703 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX043117.D
 Acq: 24 Sep 2024 12:44

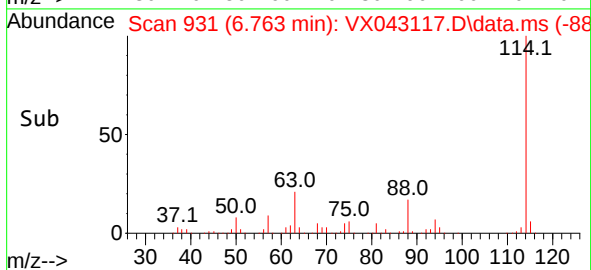
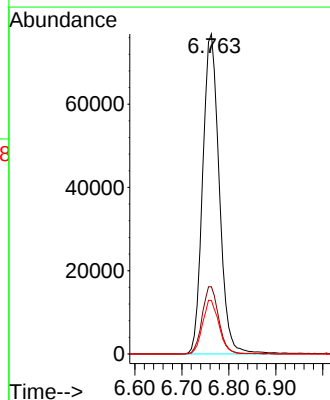
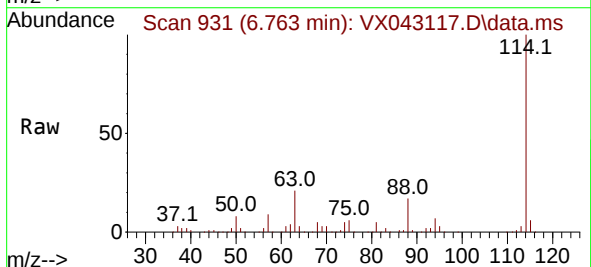
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

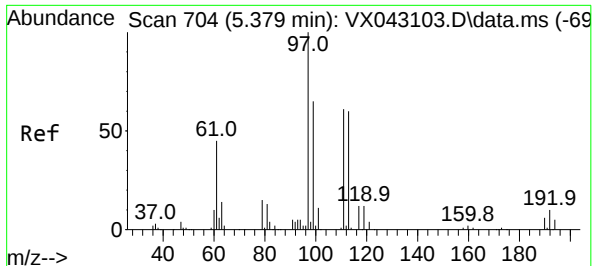
Tgt Ion: 65 Resp: 83093
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX043117.D
 Acq: 24 Sep 2024 12:44

Tgt Ion: 114 Resp: 187964
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.265 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

IBLK

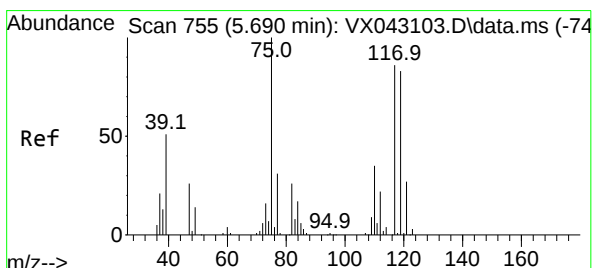
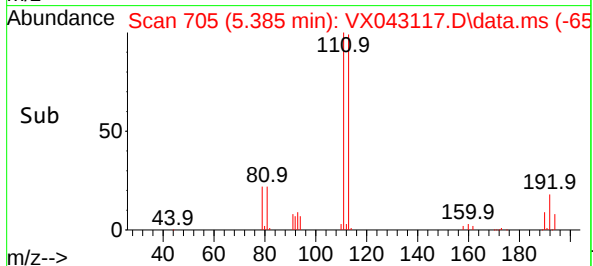
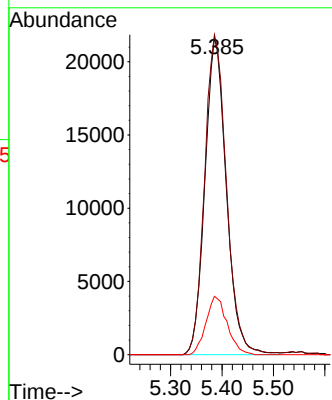
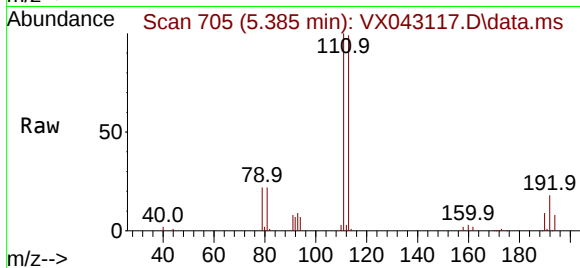
Tgt Ion:113 Resp: 62671

Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 18.2 14.6 22.0



#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

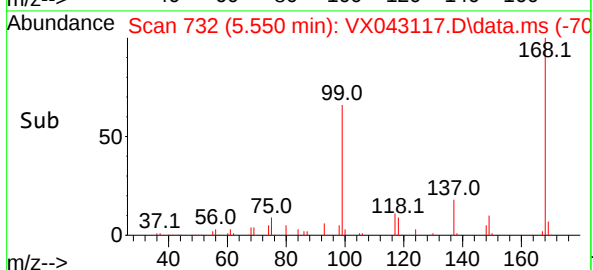
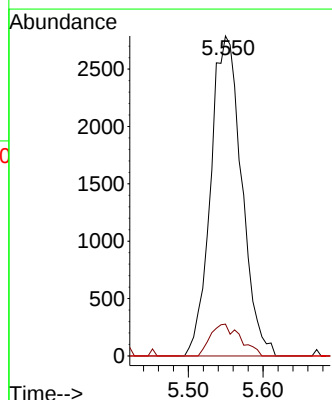
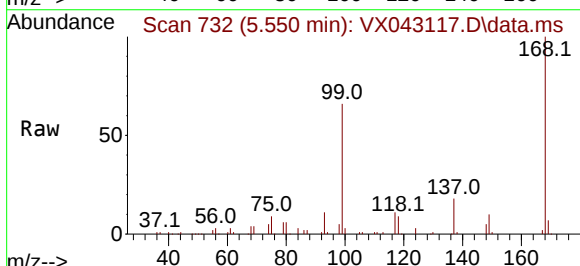
Tgt Ion: 75 Resp: 8037

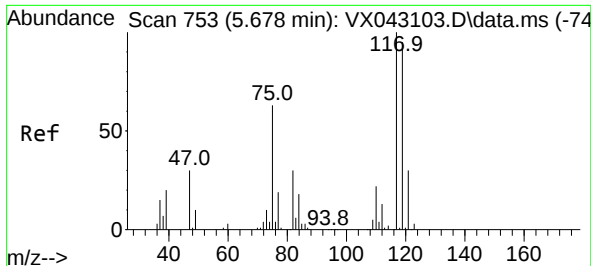
Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.4#

77 0.0 25.2 37.8#

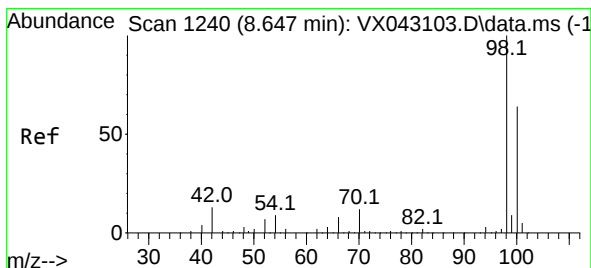
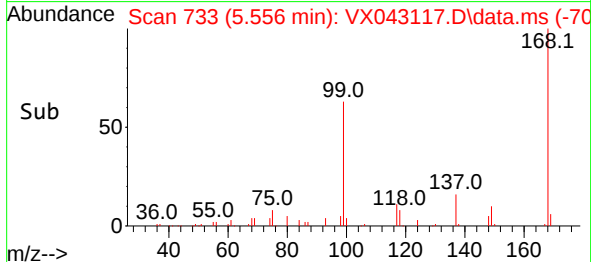
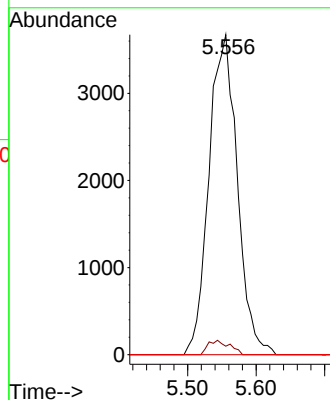
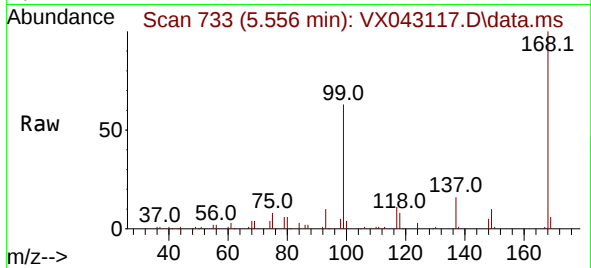




#38
Carbon Tetrachloride
Concen: 5.032 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

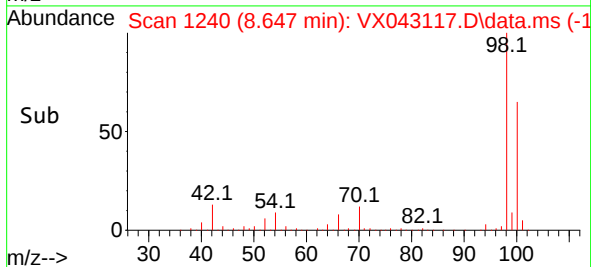
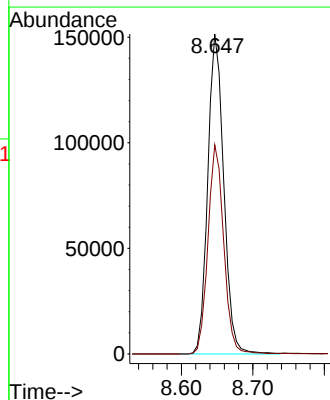
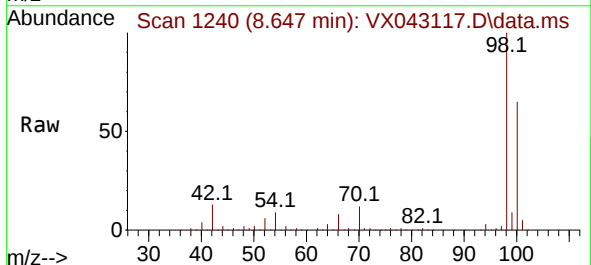
Instrument :
MSVOA_X
ClientSampleId :
IBLK

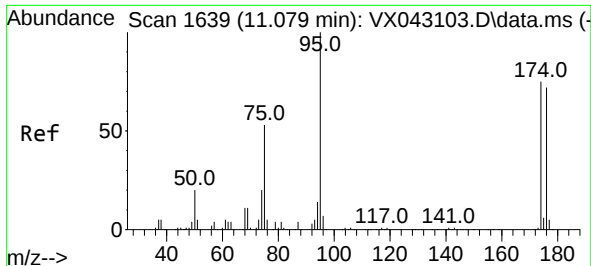
Tgt Ion:117 Resp: 10562
Ion Ratio Lower Upper
117 100
119 2.6 75.5 113.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.490 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

Tgt Ion: 98 Resp: 235469
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 54.743 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

IBLK

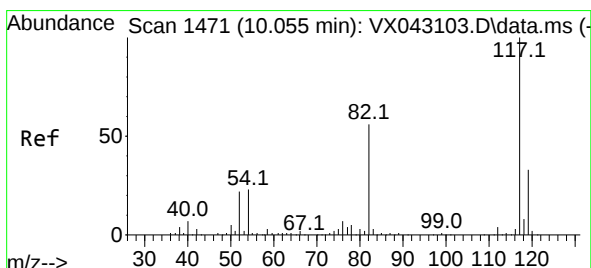
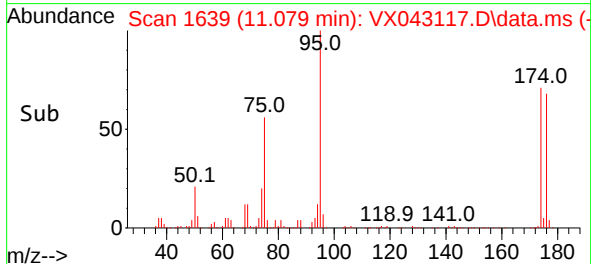
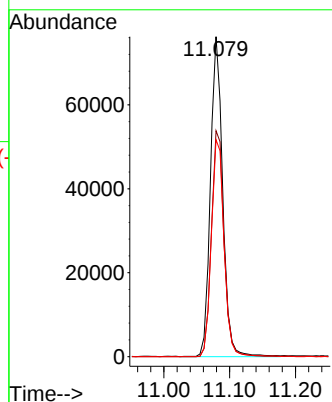
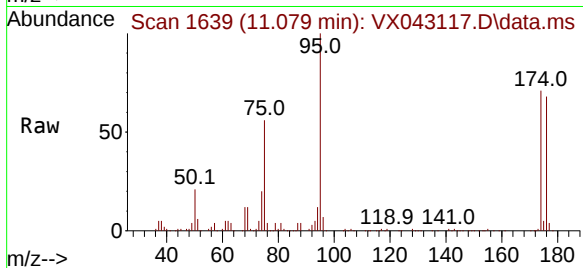
Tgt Ion: 95 Resp: 98897

Ion Ratio Lower Upper

95 100

174 72.5 0.0 146.0

176 70.5 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: VX043117.D

Acq: 24 Sep 2024 12:44

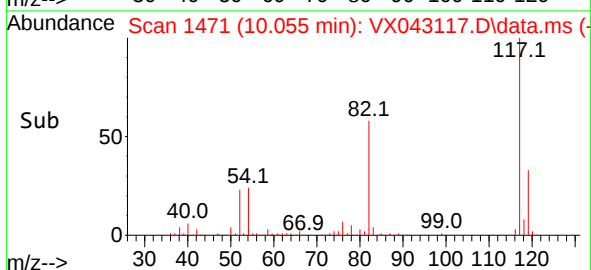
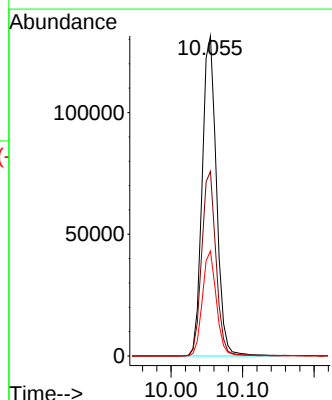
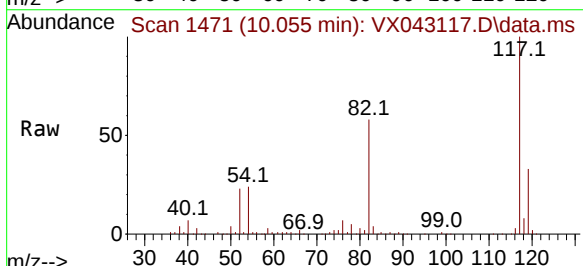
Tgt Ion: 117 Resp: 182396

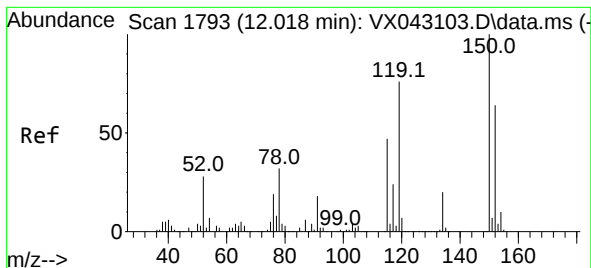
Ion Ratio Lower Upper

117 100

82 57.7 44.7 67.1

119 32.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

IBLK

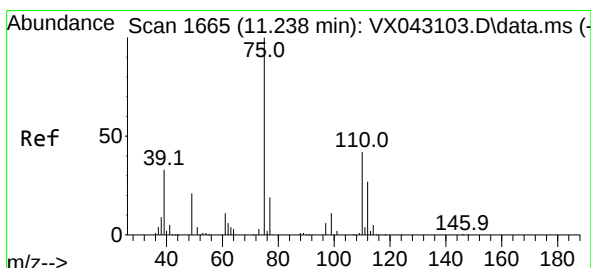
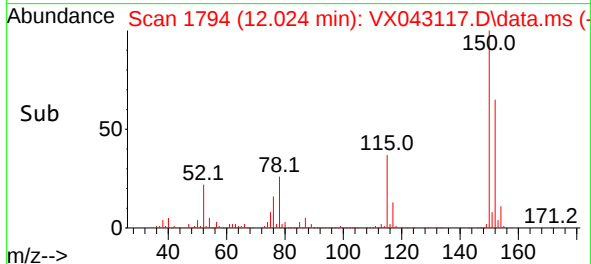
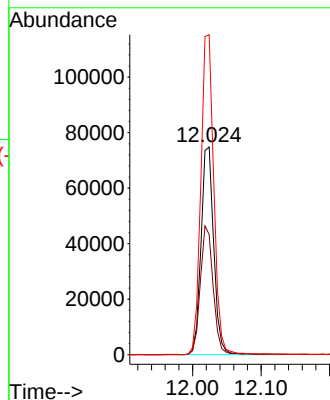
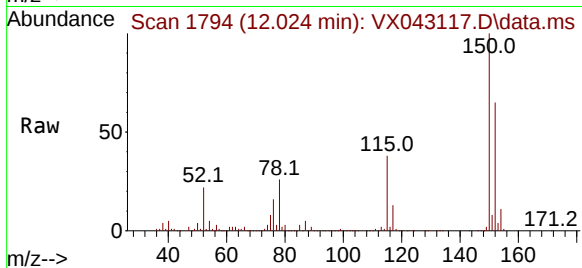
Tgt Ion:152 Resp: 96798

Ion Ratio Lower Upper

152 100

115 62.2 43.7 131.1

150 157.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 25.923 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043117.D

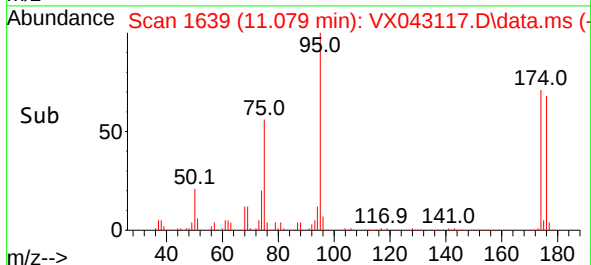
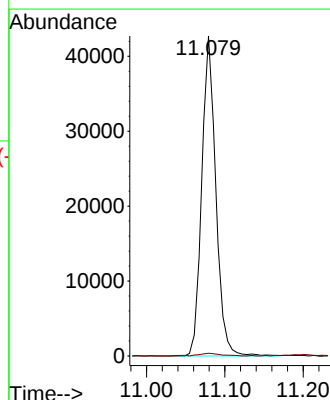
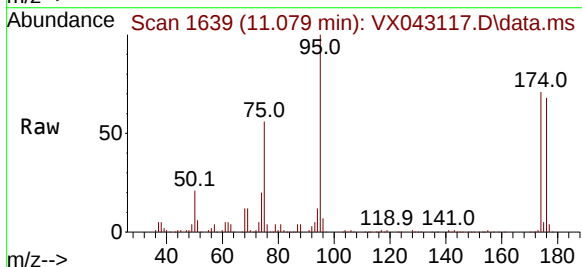
Acq: 24 Sep 2024 12:44

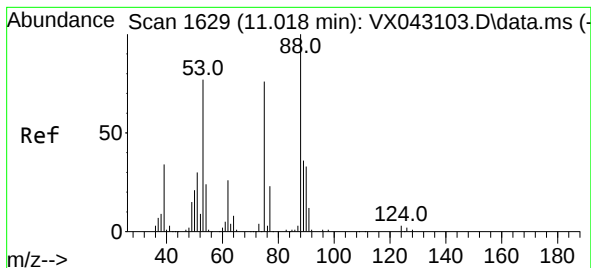
Tgt Ion: 75 Resp: 53349

Ion Ratio Lower Upper

75 100

77 1.3 21.9 65.7#

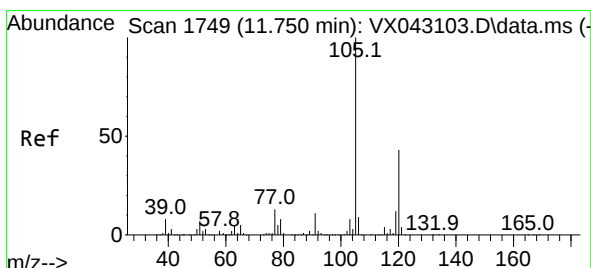
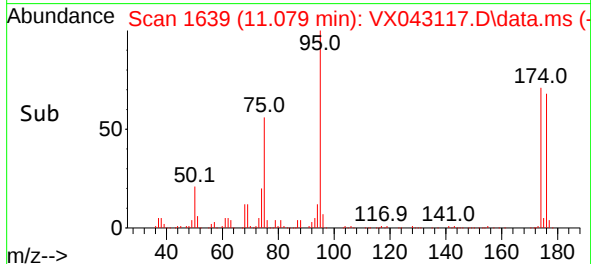
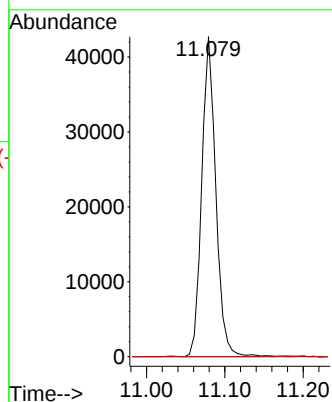
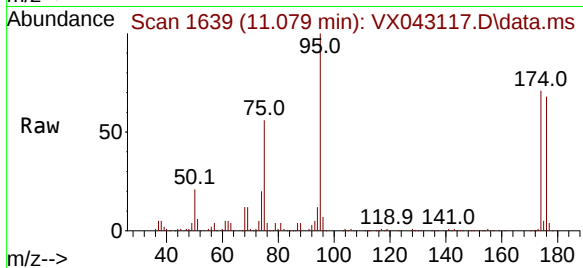




#81
trans-1,4-Dichloro-2-butene
Concen: 61.763 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

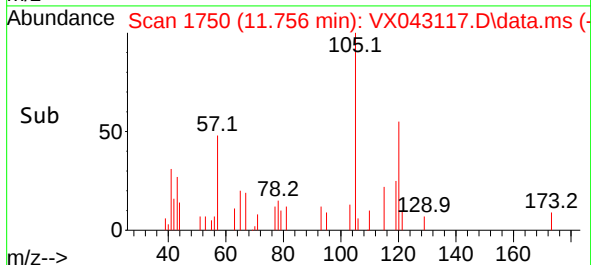
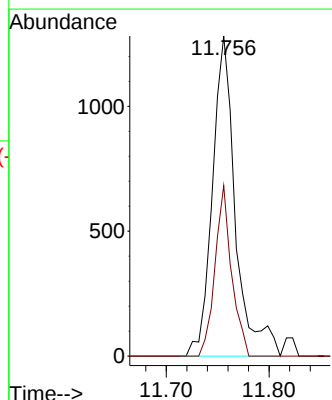
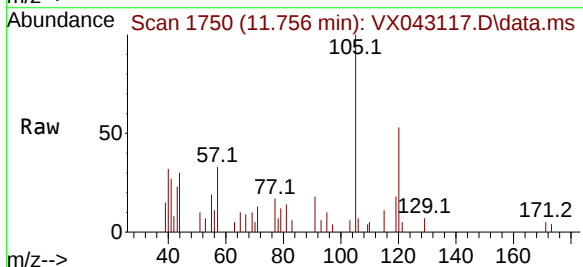
Instrument :
MSVOA_X
ClientSampleId :
IBLK

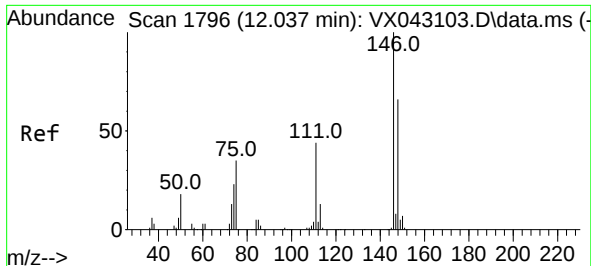
Tgt Ion: 75 Resp: 53349
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.333 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

Tgt Ion: 105 Resp: 1989
Ion Ratio Lower Upper
105 100
120 38.3 21.8 65.4

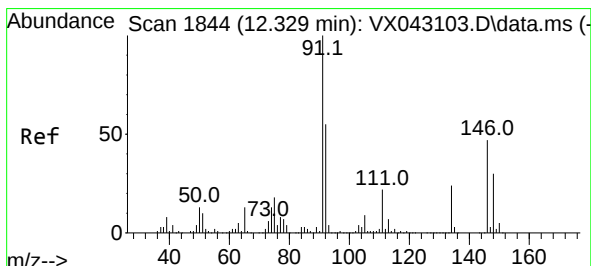
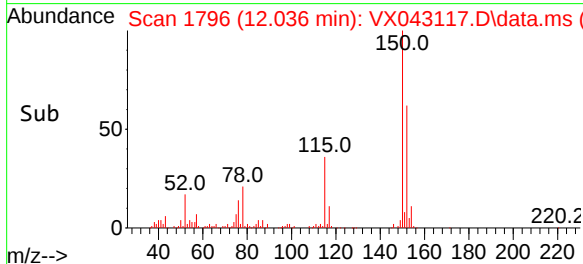
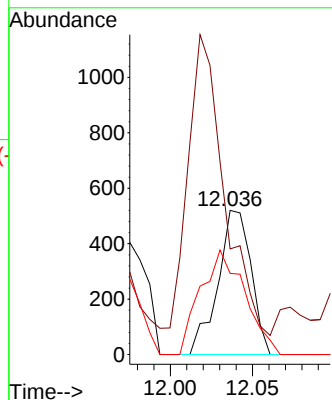
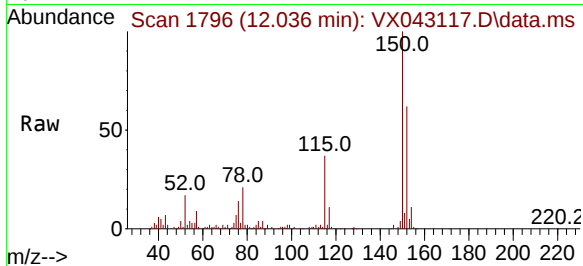




#88
1,4-Dichlorobenzene
Concen: 0.229 ug/l
RT: 12.036 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

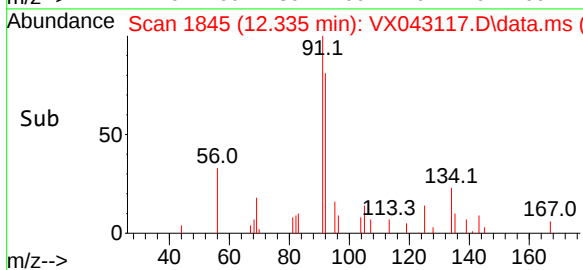
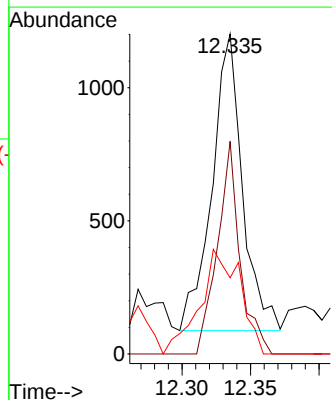
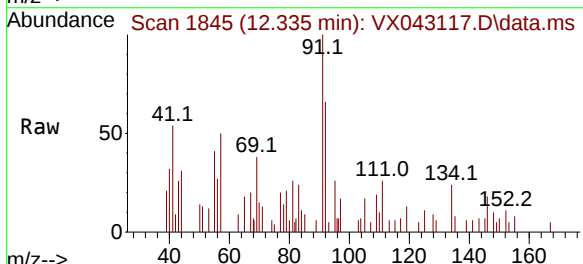
Instrument :
MSVOA_X
ClientSampleId :
IBLK

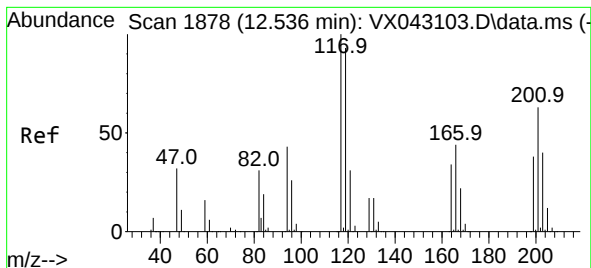
Tgt Ion:146 Resp: 729
Ion Ratio Lower Upper
146 100
111 230.6 21.2 63.6#
148 96.8 32.6 98.0



#89
n-Butylbenzene
Concen: 0.312 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX043117.D
Acq: 24 Sep 2024 12:44

Tgt Ion: 91 Resp: 1719
Ion Ratio Lower Upper
91 100
92 53.1 26.9 80.7
134 46.5 12.6 37.6#





#90

Hexachloroethane

Concen: 0.203 ug/l

RT: 12.536 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

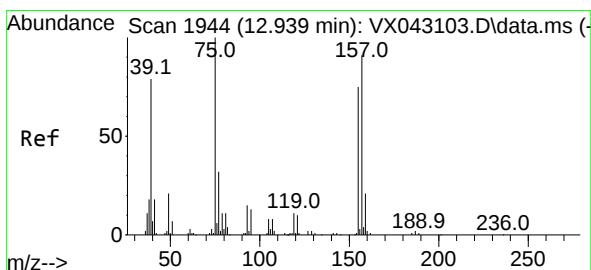
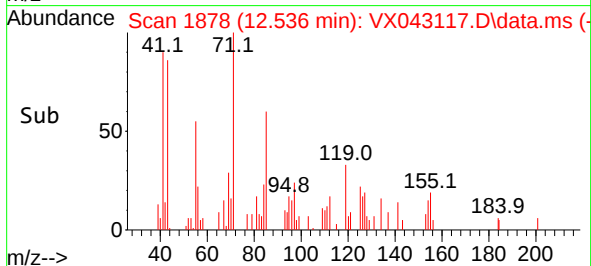
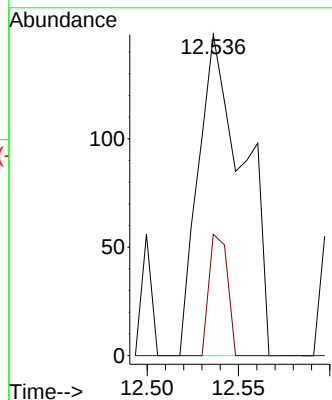
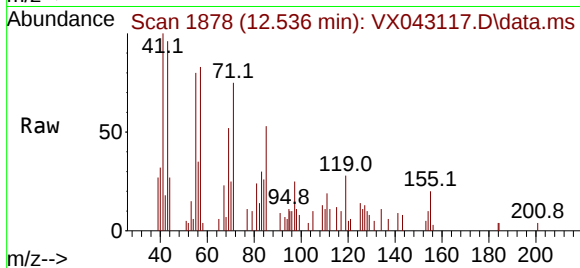
IBLK

Tgt Ion:117 Resp: 255

Ion Ratio Lower Upper

117 100

201 15.3 32.9 98.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.255 ug/l

RT: 12.762 min Scan# 1915

Delta R.T. -0.177 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

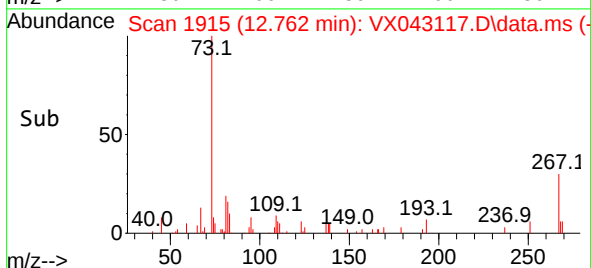
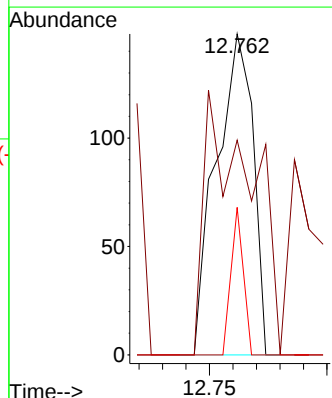
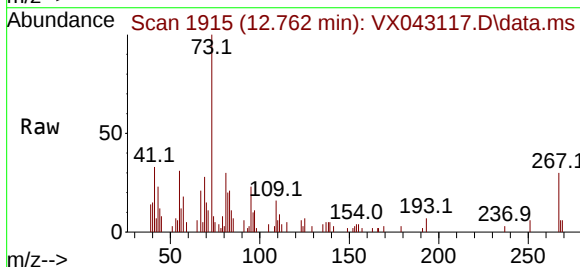
Tgt Ion: 75 Resp: 161

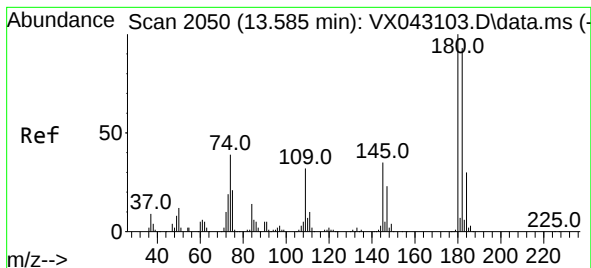
Ion Ratio Lower Upper

75 100

155 105.0 38.6 115.8

157 15.5 49.2 147.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.321 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

IBLK

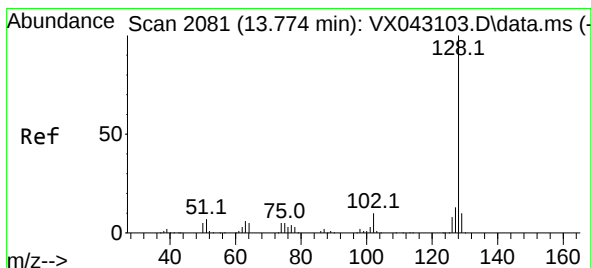
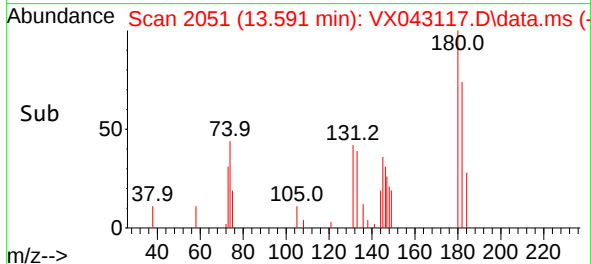
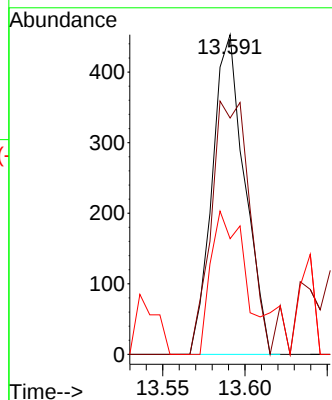
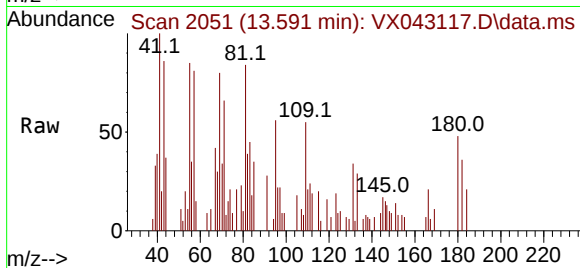
Tgt Ion:180 Resp: 623

Ion Ratio Lower Upper

180 100

182 92.3 46.7 140.0

145 53.8 17.0 50.9#



#95

Naphthalene

Concen: 0.500 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX043117.D

Acq: 24 Sep 2024 12:44

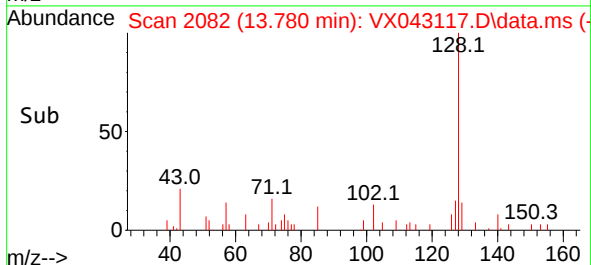
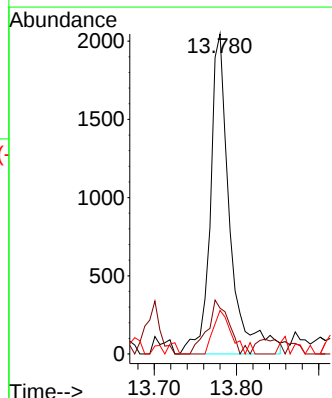
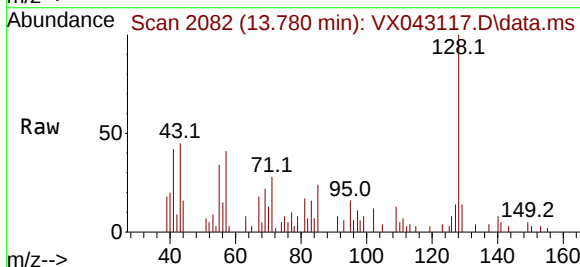
Tgt Ion:128 Resp: 3372

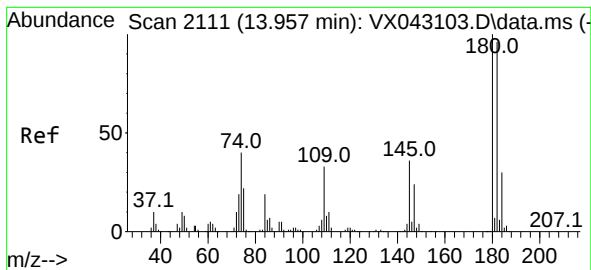
Ion Ratio Lower Upper

128 100

127 18.5 10.2 15.4#

129 12.9 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.272 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043117.D

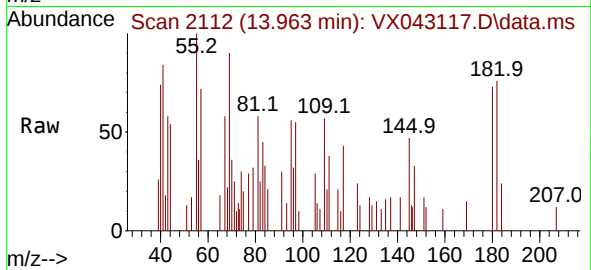
Acq: 24 Sep 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 525

Ion Ratio Lower Upper

180 100

182 100.2 47.8 143.4

145 58.7 17.7 53.1#

