

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040110.D
 Acq On : 05 Feb 2024 13:00
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 06 02:59:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

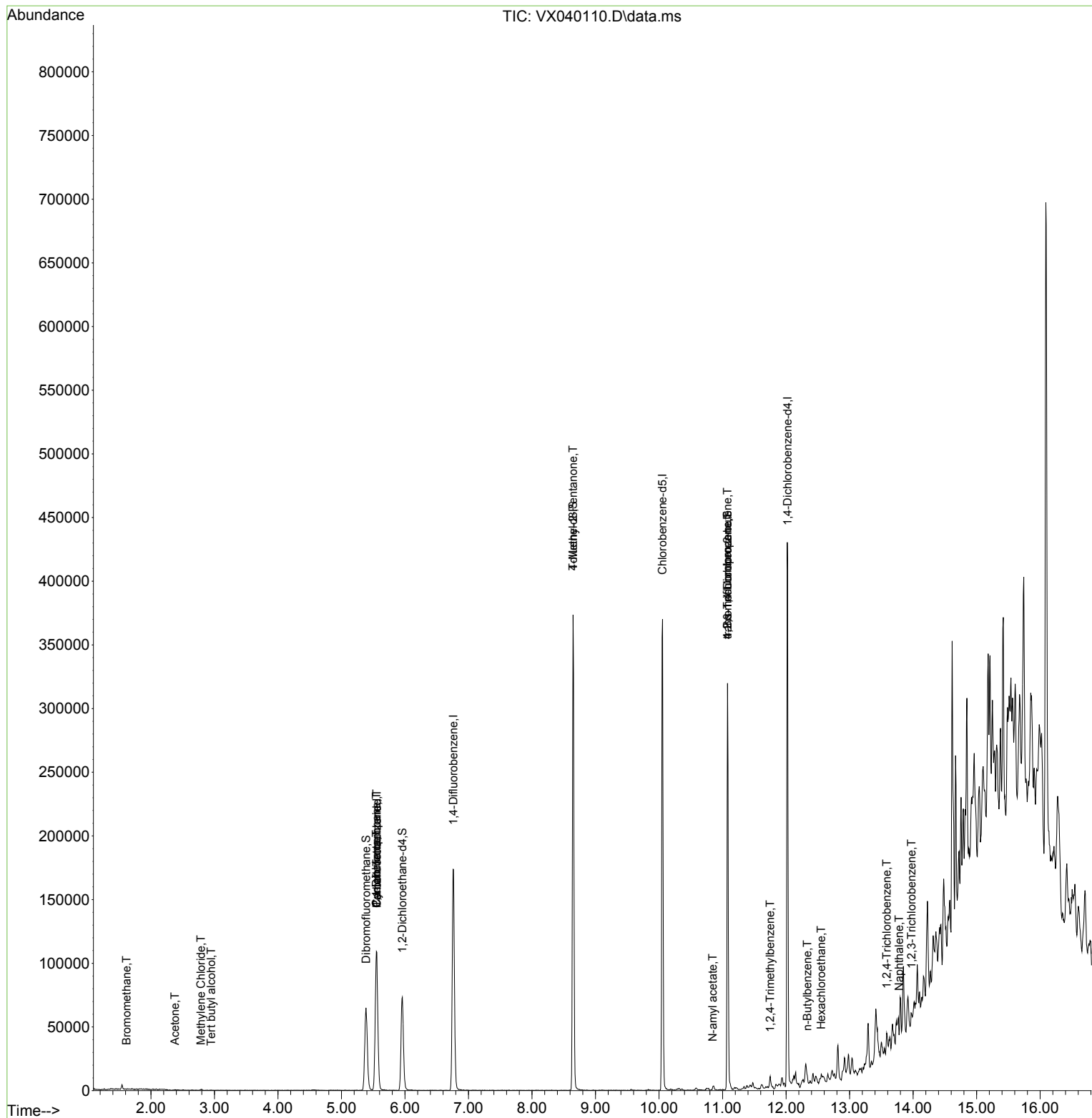
Internal Standards						
1) Pentafluorobenzene	5.556	168	99056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176973	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70326	44.114	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.220%
35) Dibromofluoromethane	5.385	113	55369	45.960	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.920%
50) Toluene-d8	8.646	98	214918	47.703	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.400%
62) 4-Bromofluorobenzene	11.079	95	82862	47.765	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.540%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	203	0.213	ug/l #	3
11) Tert butyl alcohol	2.946	59	109	0.377	ug/l #	78
16) Acetone	2.379	43	408	0.546	ug/l #	47
20) Methylene Chloride	2.788	84	307	0.231	ug/l #	87
31) Cyclohexane	5.550	56	2769	1.387	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	8862	5.086	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10780	6.466	ug/l #	13
51) 4-Methyl-2-Pentanone	8.646	43	1084	0.529	ug/l #	1
74) N-amyl acetate	10.847	43	311	0.315	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	44796	25.599	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44796	75.400	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1796	0.355	ug/l	94
89) n-Butylbenzene	12.335	91	1952	0.383	ug/l #	64
90) Hexachloroethane	12.554	117	289	0.262	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.585	180	476	0.288	ug/l #	1
95) Naphthalene	13.780	128	3884	0.691	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.975	180	1182	0.722	ug/l #	4

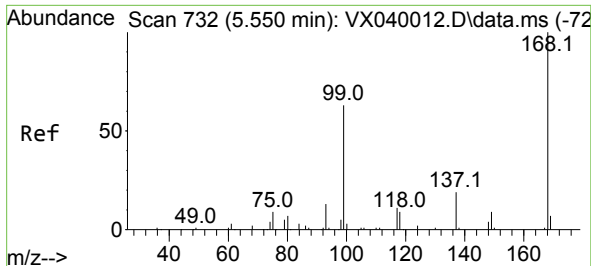
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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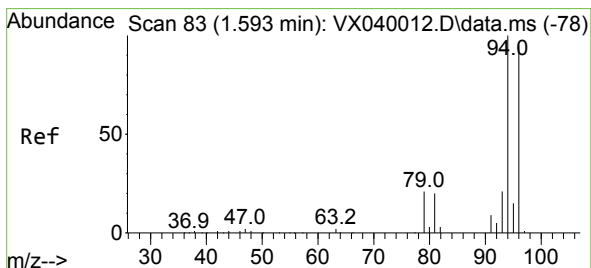
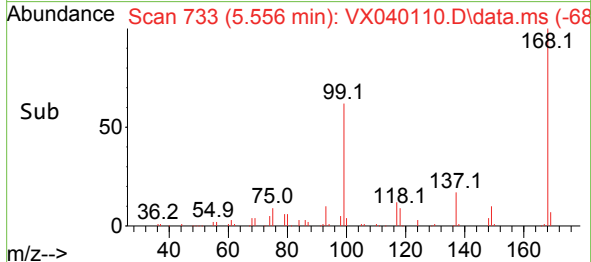
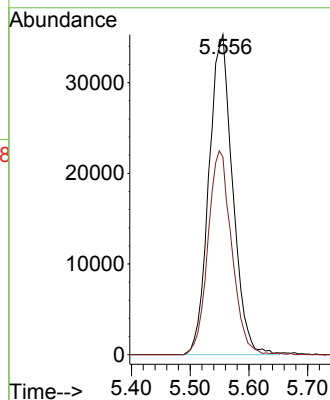
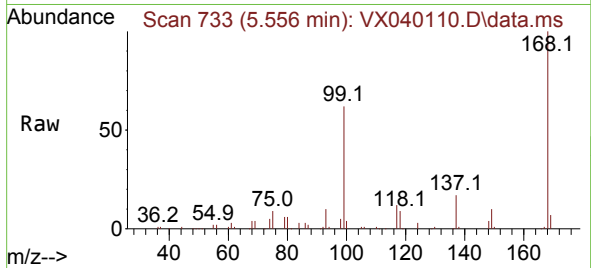




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

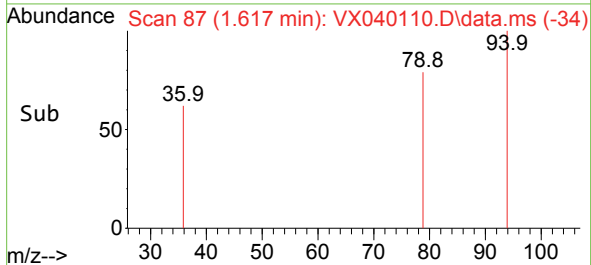
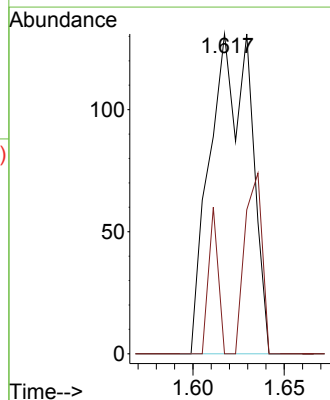
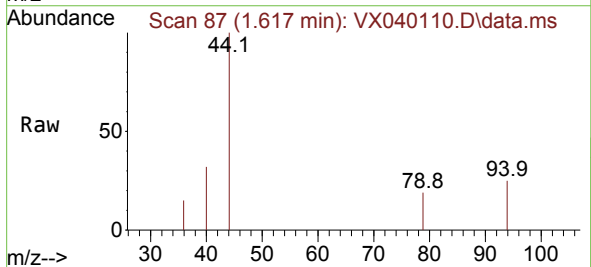
Instrument :
MSVOA_X
ClientSampleId :
IBLK

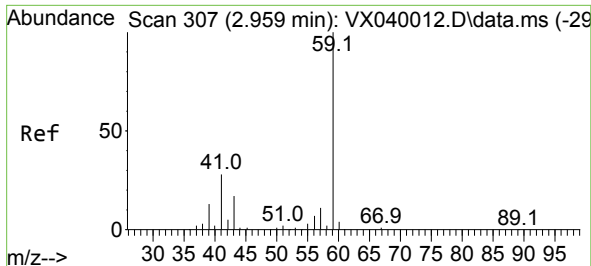
Tgt Ion:168 Resp: 99056
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#5
Bromomethane
Concen: 0.213 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.024 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Tgt Ion: 94 Resp: 203
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

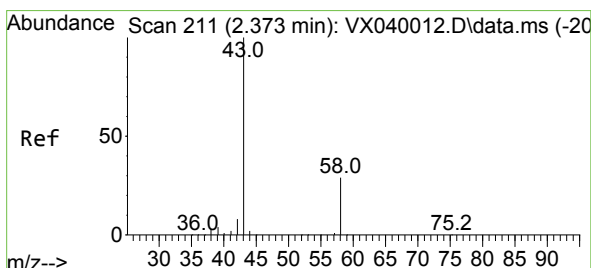
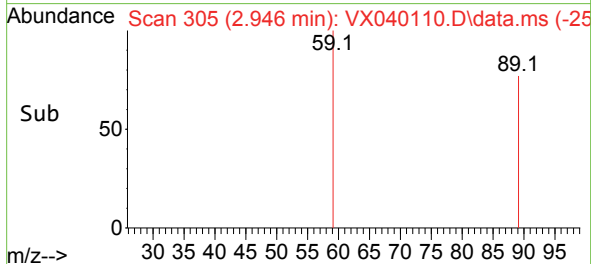
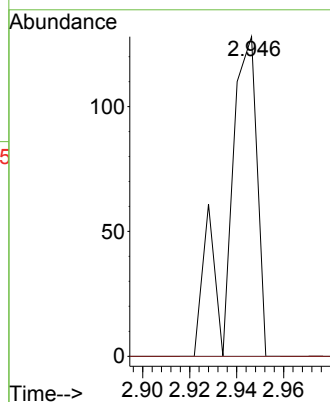
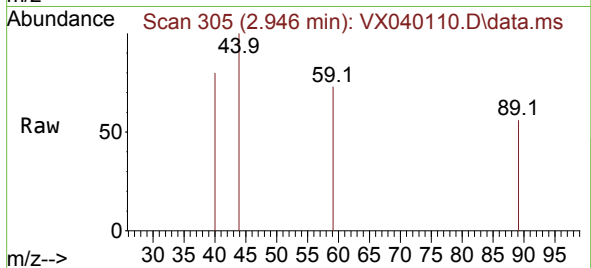




#11
Tert butyl alcohol
Concen: 0.377 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

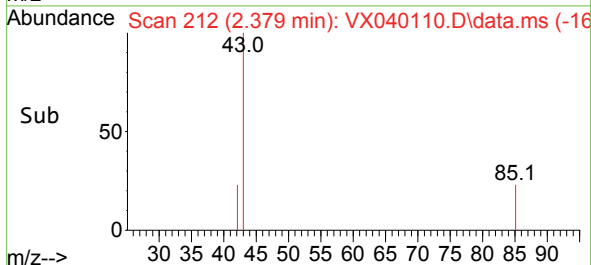
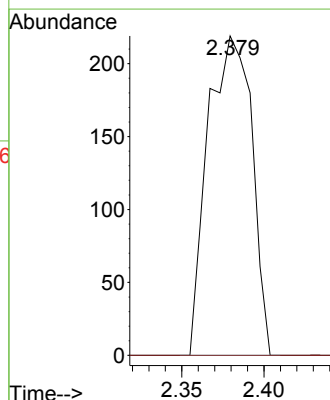
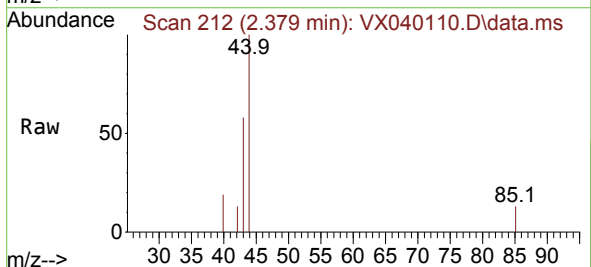
Instrument :
MSVOA_X
ClientSampleId :
IBLK

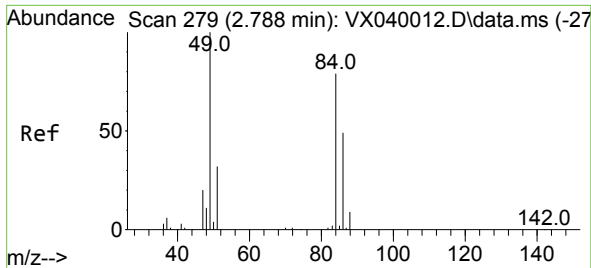
Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 0.546 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#

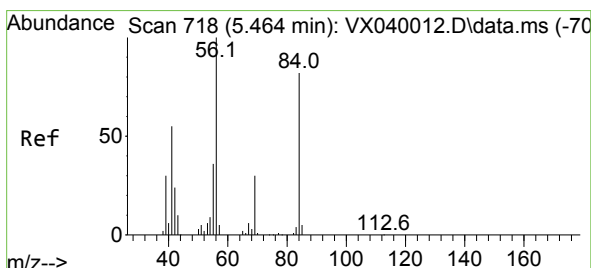
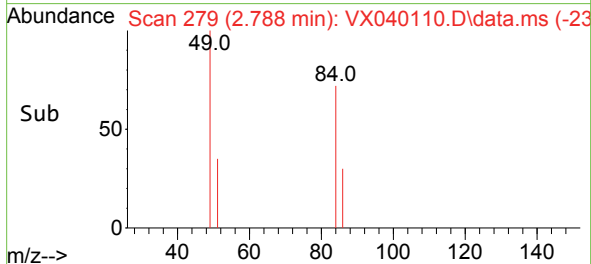
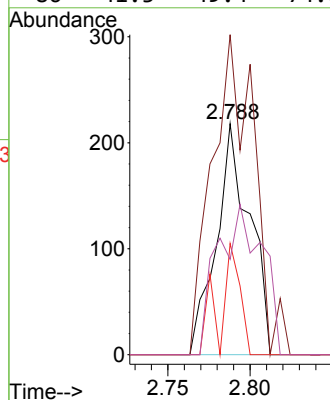
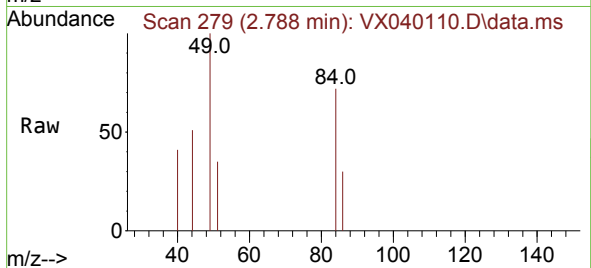




#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

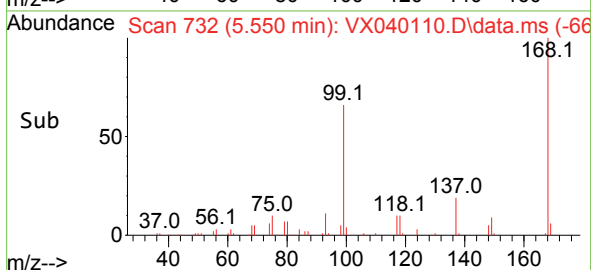
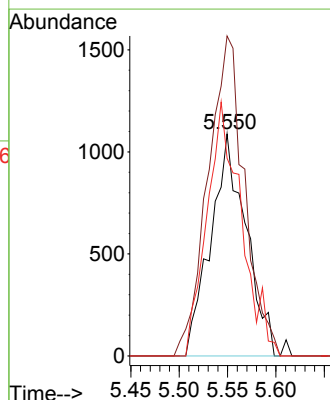
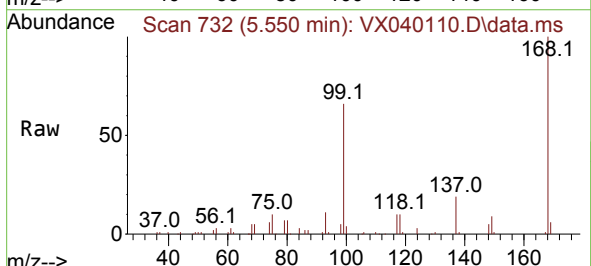
Instrument :
MSVOA_X
ClientSampleId :
IBLK

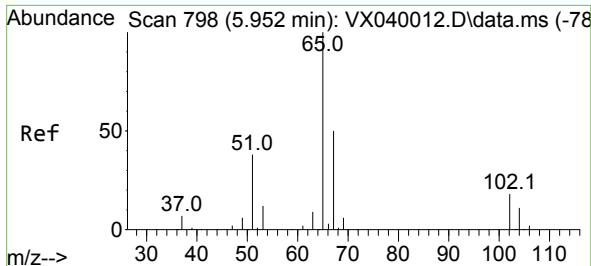
Tgt Ion:	84	Resp:	307
Ion	Ratio	Lower	Upper
84	100		
49	138.5	103.6	155.4
51	48.2	33.8	50.6
86	41.3	49.4	74.0#



#31
Cyclohexane
Concen: 1.387 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Tgt Ion:	56	Resp:	2769
Ion	Ratio	Lower	Upper
56	100		
69	144.1	23.4	35.2#
84	89.1	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 44.114 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040110.D

Acq: 05 Feb 2024 13:00

Instrument :

MSVOA_X

ClientSampleId :

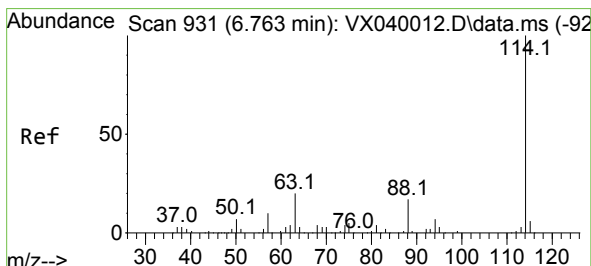
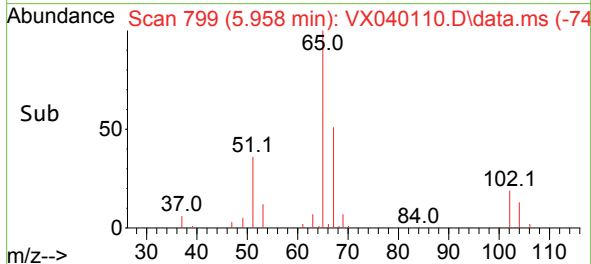
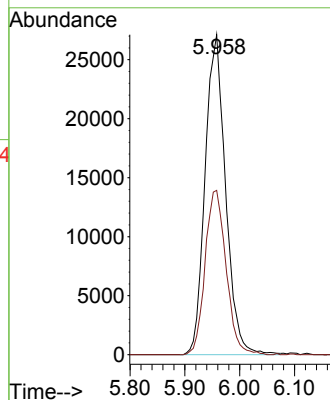
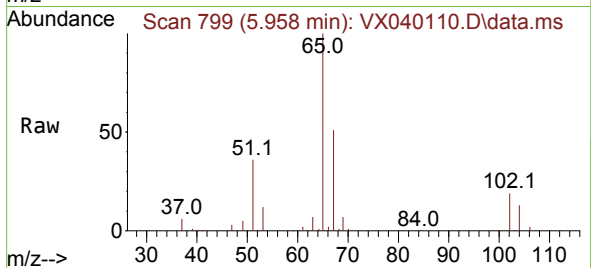
IBLK

Tgt Ion: 65 Resp: 70326

Ion Ratio Lower Upper

65 100

67 52.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040110.D

Acq: 05 Feb 2024 13:00

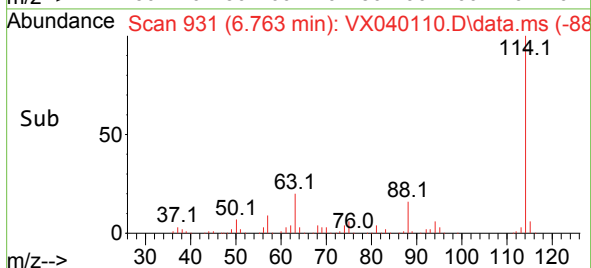
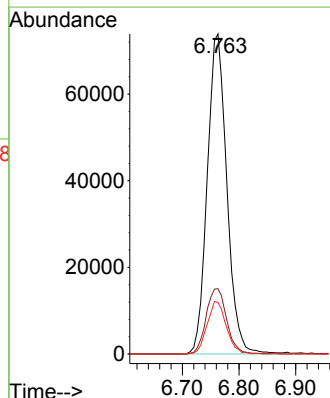
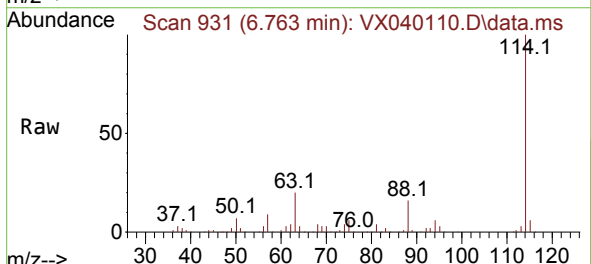
Tgt Ion: 114 Resp: 176973

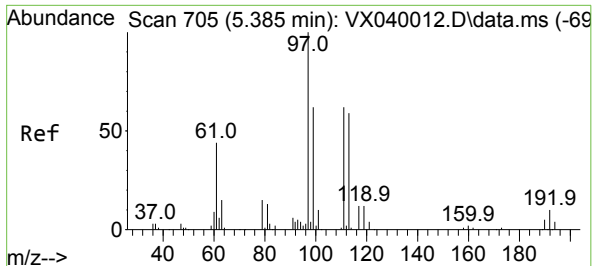
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 16.1 0.0 36.6

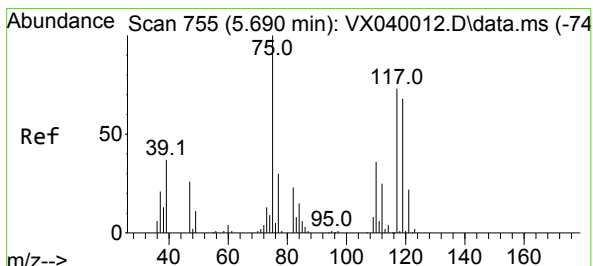
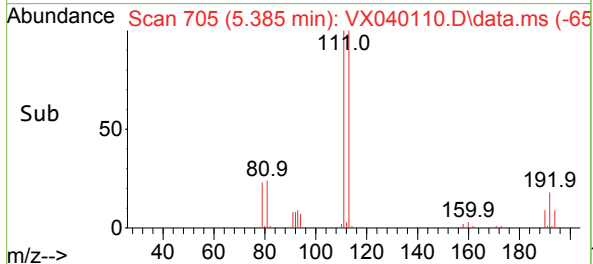
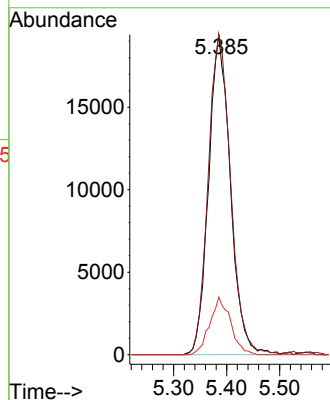
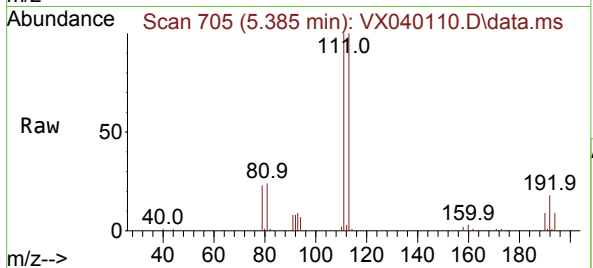




#35
Dibromofluoromethane
Concen: 45.960 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

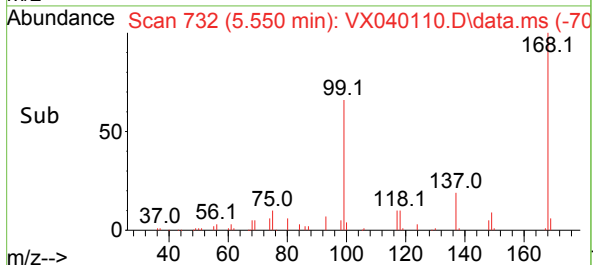
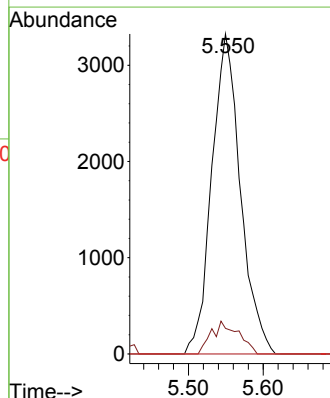
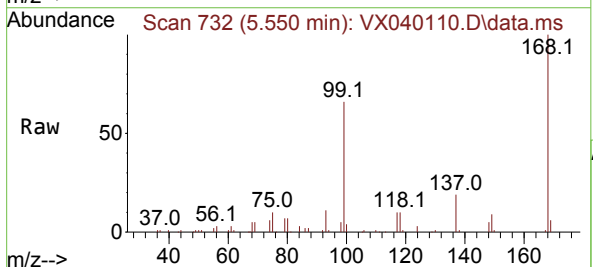
Instrument :
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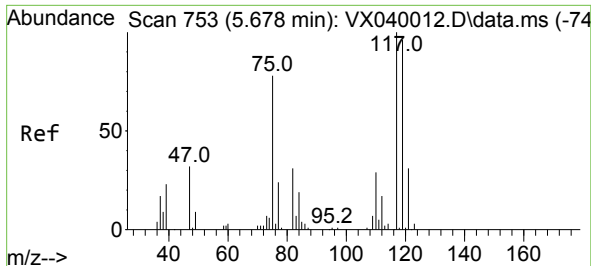
Tgt Ion:113 Resp: 55369
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.086 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

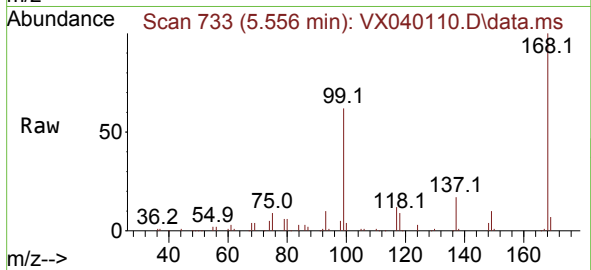
Tgt Ion: 75 Resp: 8862
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



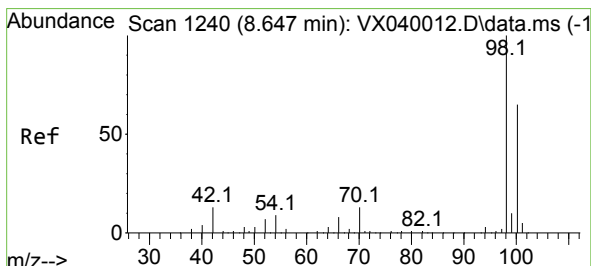
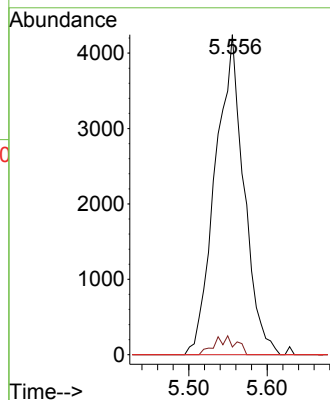
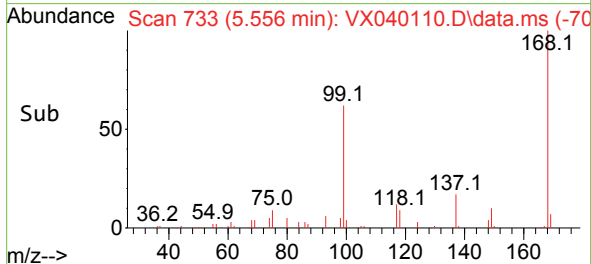


#38
Carbon Tetrachloride
Concen: 6.466 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
IBLK

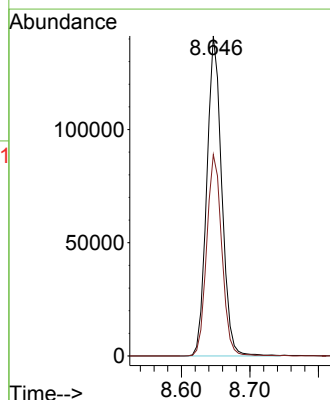
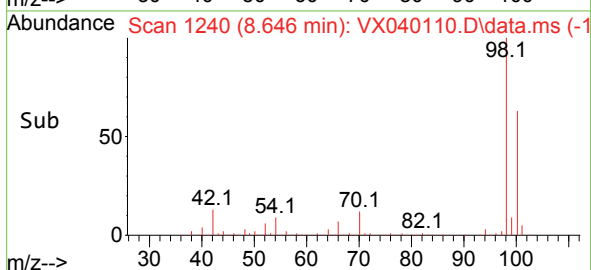
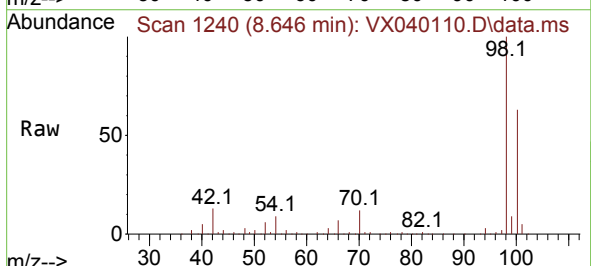


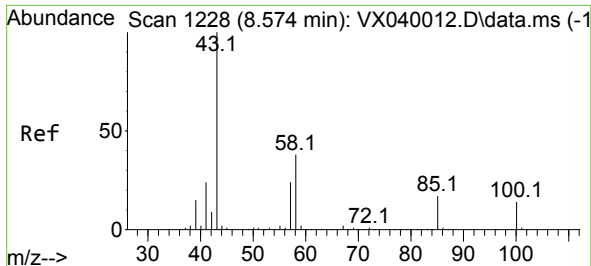
Tgt Ion:117 Resp: 10780
Ion Ratio Lower Upper
117 100
119 2.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.703 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Tgt Ion: 98 Resp: 214918
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.529 ug/l

RT: 8.646 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX040110.D

Acq: 05 Feb 2024 13:00

Instrument :

MSVOA_X

ClientSampleId :

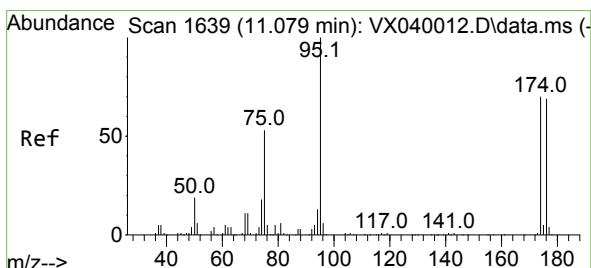
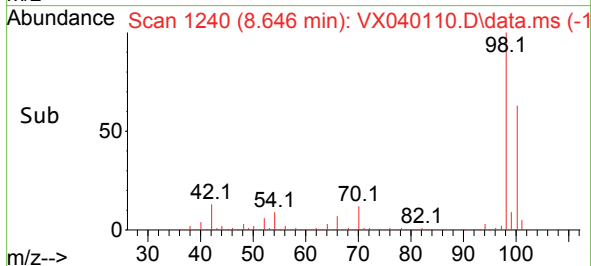
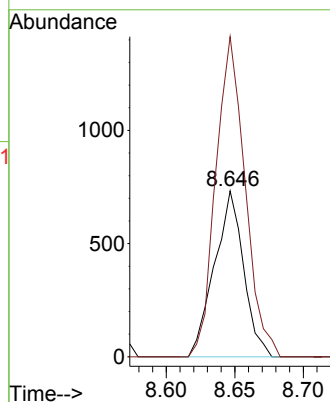
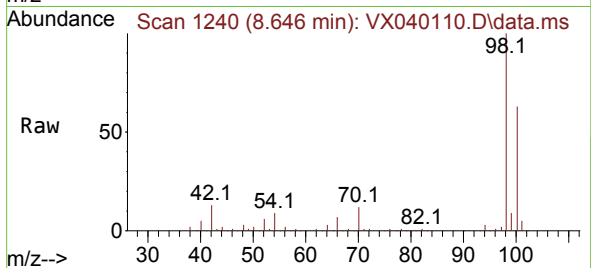
IBLK

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

43 100

58 194.0 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 47.765 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX040110.D

Acq: 05 Feb 2024 13:00

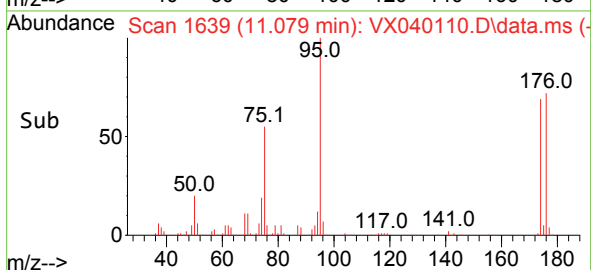
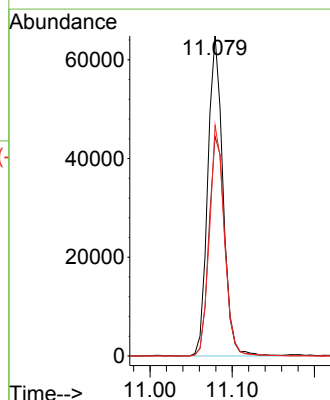
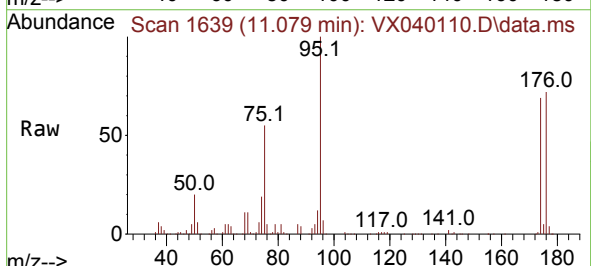
Tgt Ion: 95 Resp: 82862

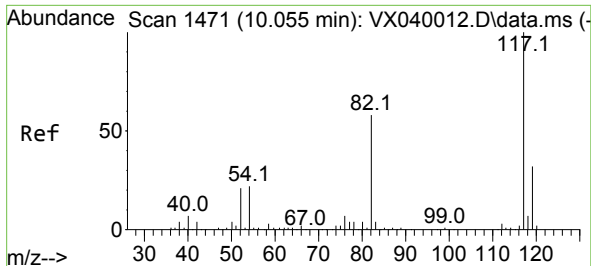
Ion Ratio Lower Upper

95 100

174 72.0 0.0 135.6

176 70.8 0.0 131.0

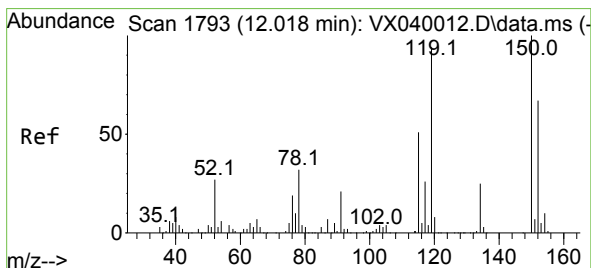
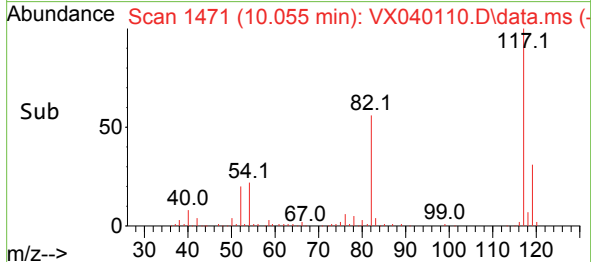
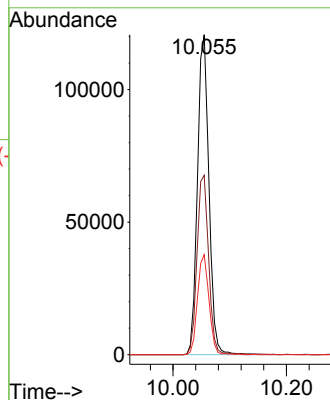
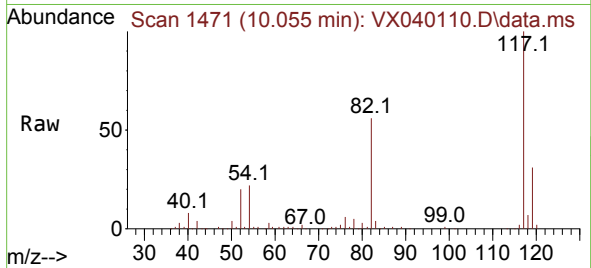




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

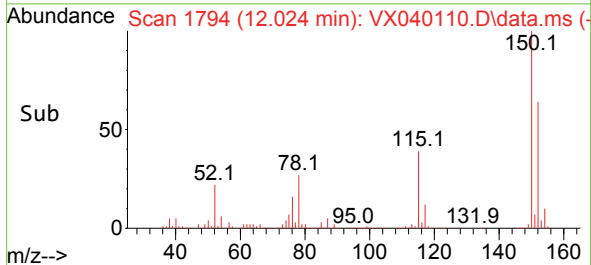
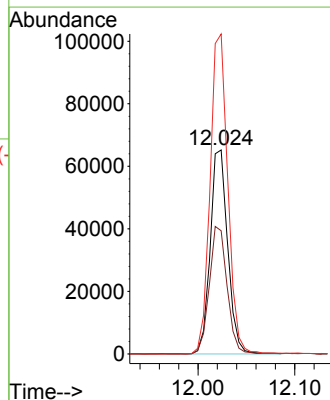
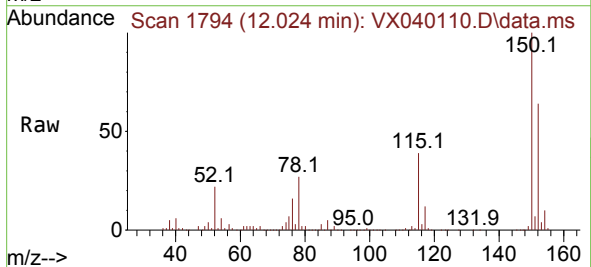
Instrument :
MSVOA_X
ClientSampleId :
IBLK

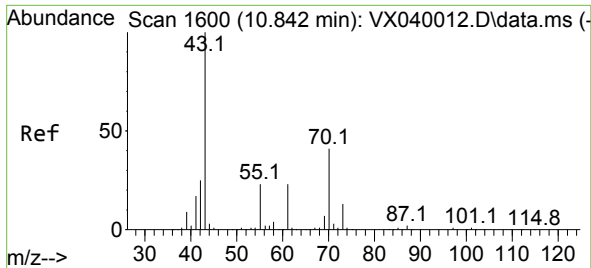
Tgt Ion:117 Resp: 169230
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 31.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Tgt Ion:152 Resp: 82175
Ion Ratio Lower Upper
152 100
115 63.7 43.3 129.9
150 158.6 0.0 345.0

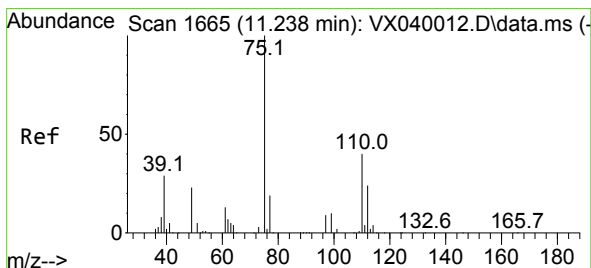
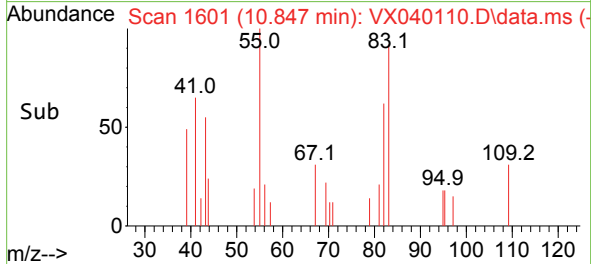
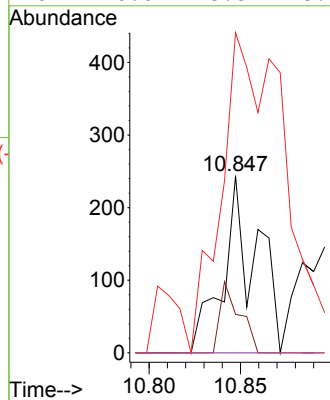
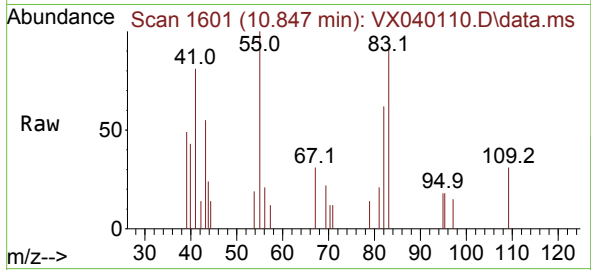




#74
N-amy1 acetate
Concen: 0.315 ug/l
RT: 10.847 min Scan# 1600
Delta R.T. 0.005 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

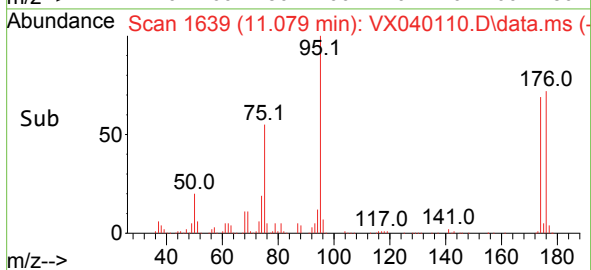
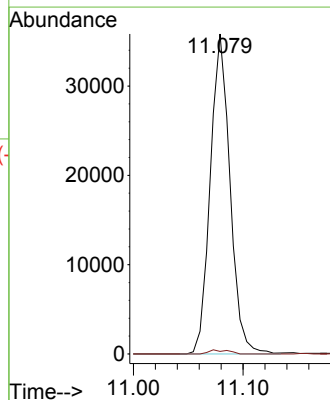
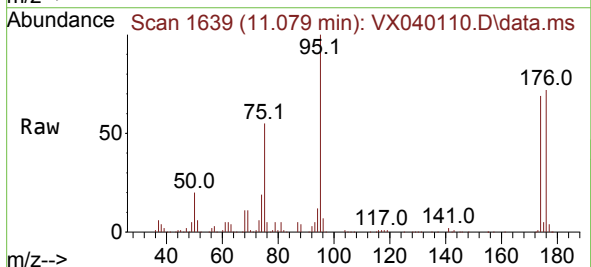
Instrument :
MSVOA_X
ClientSampleId :
IBLK

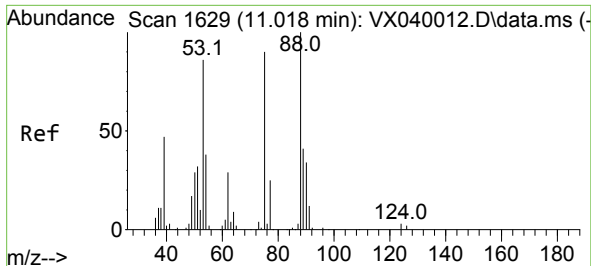
Tgt Ion: 43	Resp: 311
Ion Ratio	Lower Upper
43 100	
70 23.8	32.9 49.3#
55 342.4	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Tgt Ion: 75	Resp: 44796
Ion Ratio	Lower Upper
75 100	
77 1.3	19.1 57.5#

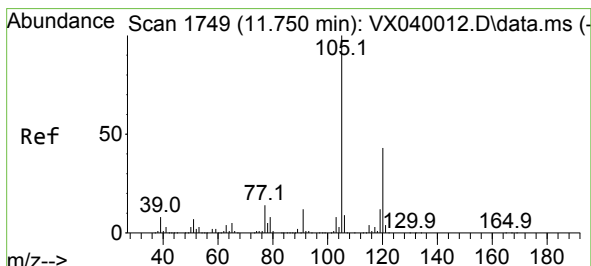
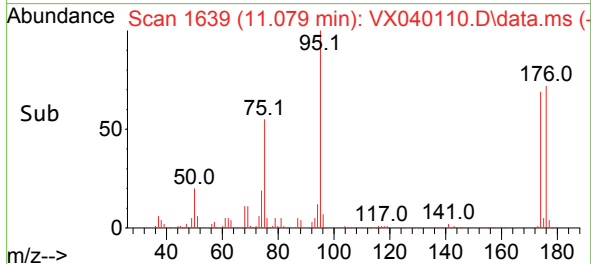
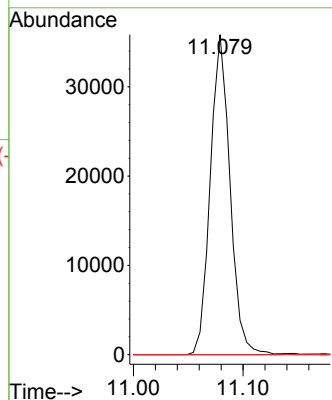
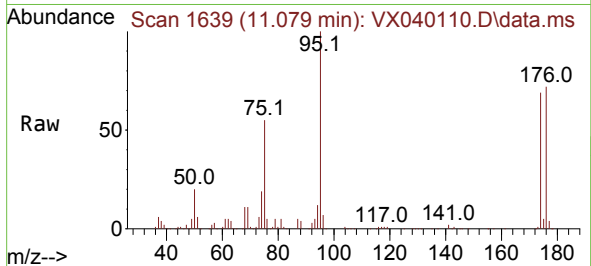




#81
trans-1,4-Dichloro-2-butene
Concen: 75.400 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

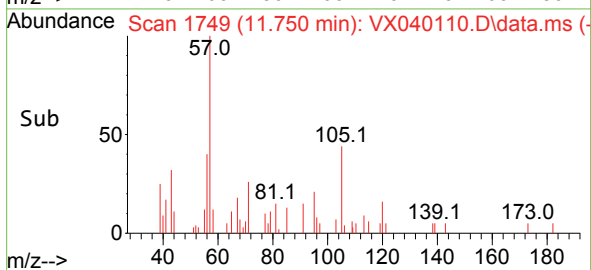
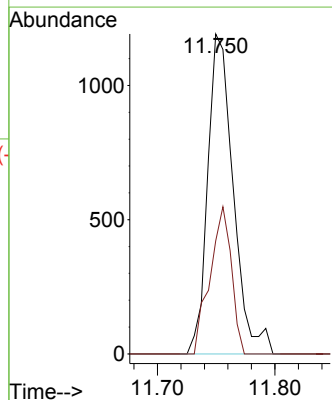
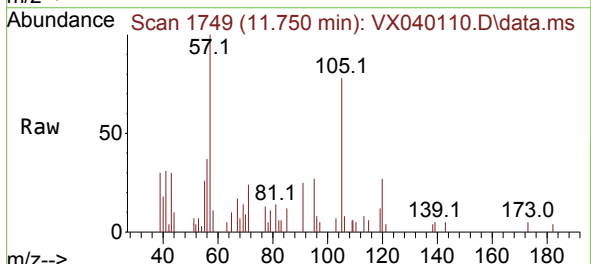
Instrument :
MSVOA_X
ClientSampleId :
IBLK

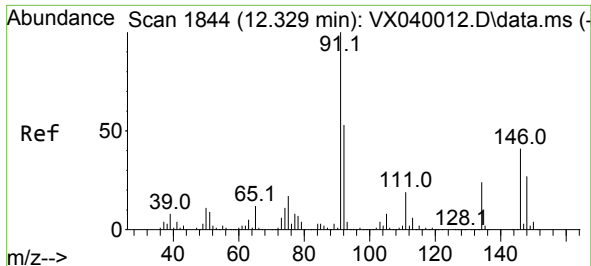
Tgt Ion: 75 Resp: 44796
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX040110.D
Acq: 05 Feb 2024 13:00

Tgt Ion: 105 Resp: 1796
Ion Ratio Lower Upper
105 100
120 38.5 21.2 63.6





#89

n-Butylbenzene

Concen: 0.383 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040110.D

Acq: 05 Feb 2024 13:00

Instrument :

MSVOA_X

ClientSampleId :

IBLK

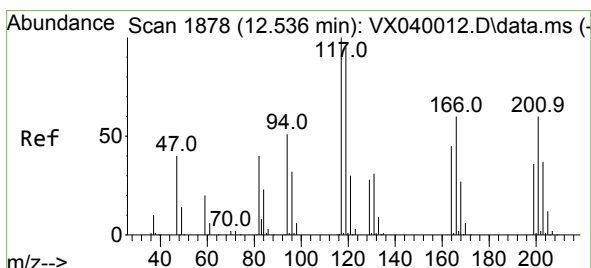
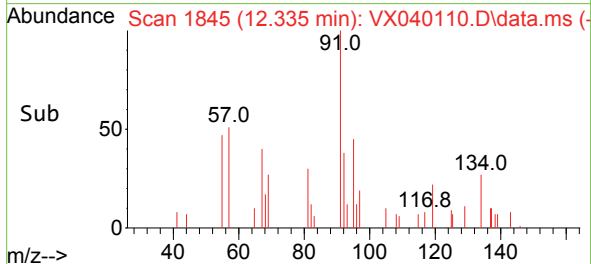
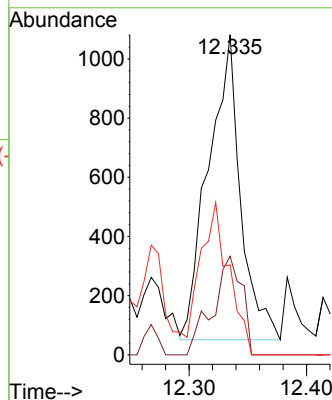
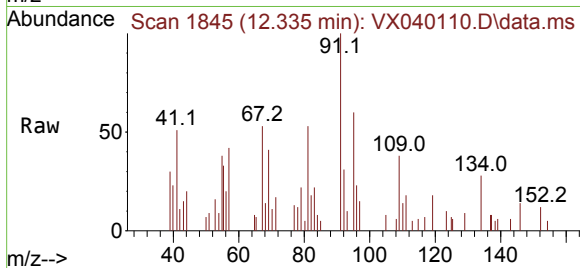
Tgt Ion: 91 Resp: 1952

Ion Ratio Lower Upper

91 100

92 29.5 27.4 82.0

134 44.0 12.6 37.8#



#90

Hexachloroethane

Concen: 0.262 ug/l

RT: 12.554 min Scan# 1881

Delta R.T. 0.018 min

Lab File: VX040110.D

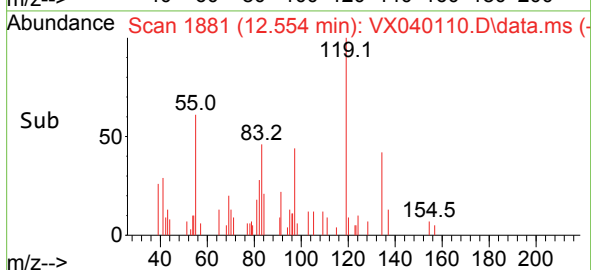
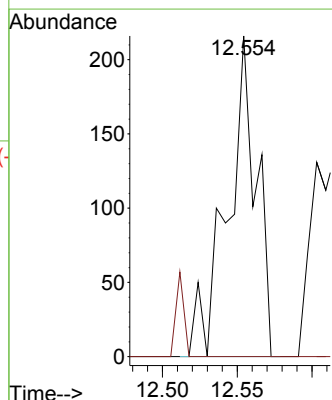
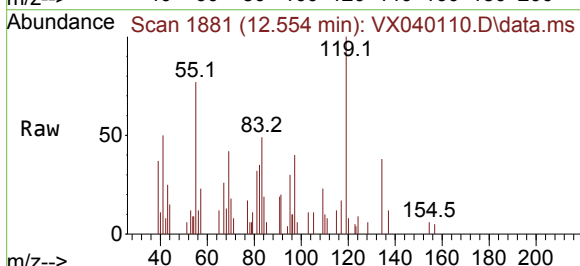
Acq: 05 Feb 2024 13:00

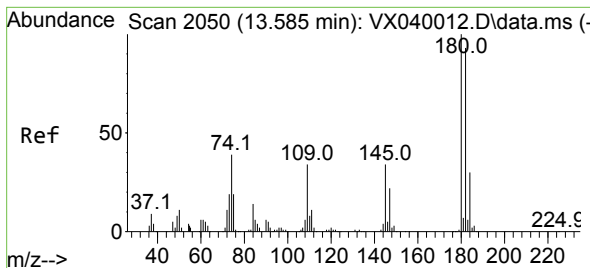
Tgt Ion: 117 Resp: 289

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.288 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX040110.D

Acq: 05 Feb 2024 13:00

Instrument :

MSVOA_X

ClientSampleId :

IBLK

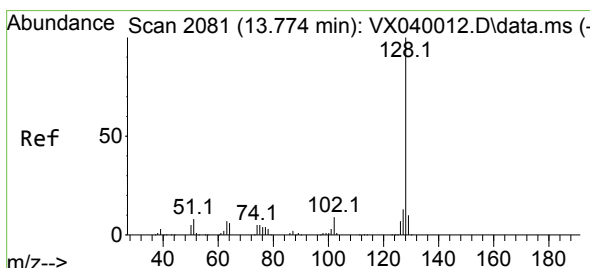
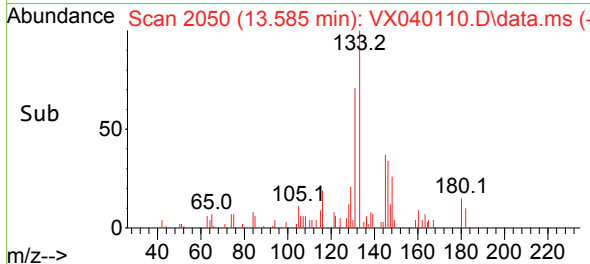
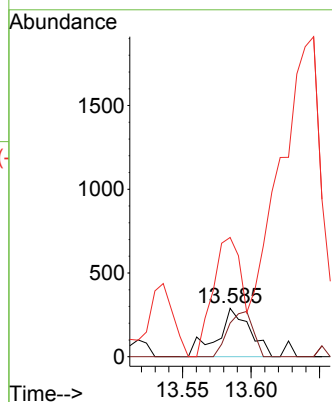
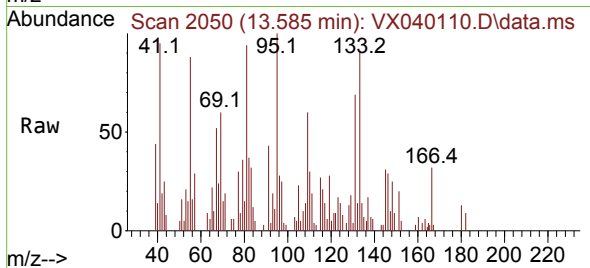
Tgt Ion:180 Resp: 476

Ion Ratio Lower Upper

180 100

182 71.6 48.3 144.8

145 221.6 18.0 54.0#



#95

Naphthalene

Concen: 0.691 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040110.D

Acq: 05 Feb 2024 13:00

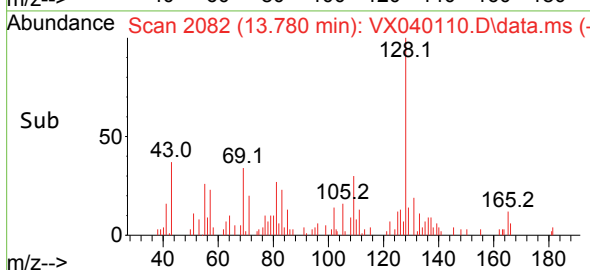
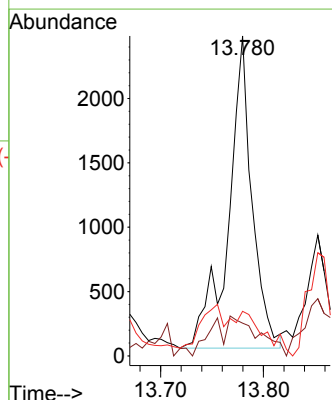
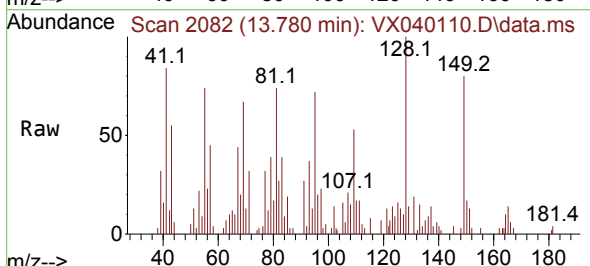
Tgt Ion:128 Resp: 3884

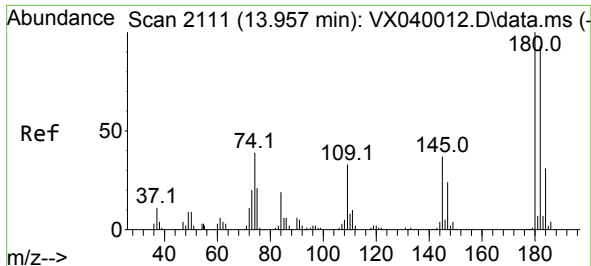
Ion Ratio Lower Upper

128 100

127 16.6 10.3 15.5#

129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.722 ug/l
 RT: 13.975 min Scan# 2114
 Delta R.T. 0.018 min
 Lab File: VX040110.D
 Acq: 05 Feb 2024 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:180 Resp: 1182
 Ion Ratio Lower Upper
 180 100
 182 34.0 46.9 140.6#
 145 144.8 17.8 53.5#

