

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040046.D
 Acq On : 31 Jan 2024 14:21
 Operator : JC/MD
 Sample : P1282-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1240

Quant Time: Feb 01 04:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 07:12:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	78857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	142966	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65522	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56437	44.470	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.940%
35) Dibromofluoromethane	5.385	113	46264	47.537	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.080%
50) Toluene-d8	8.647	98	169132	46.470	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.940%
62) 4-Bromofluorobenzene	11.079	95	65630	46.831	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.660%

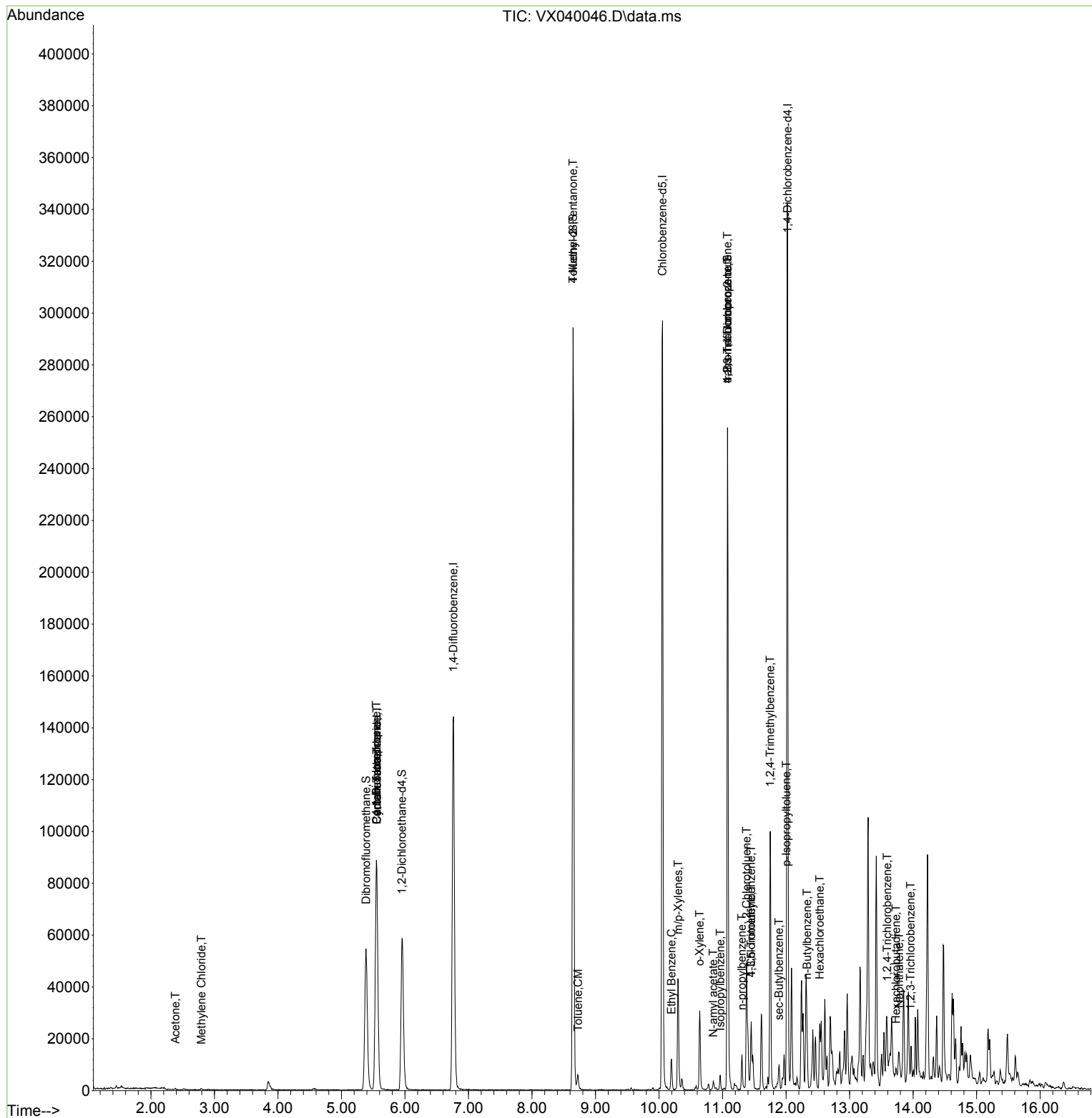
Target Compounds						Qvalue
16) Acetone	2.386	43	517	0.869	ug/l #	47
20) Methylene Chloride	2.794	84	267	0.253	ug/l #	66
31) Cyclohexane	5.556	56	2153	1.354	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	7030	4.995	ug/l #	46
38) Carbon Tetrachloride	5.556	117	8528	6.332	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	932	0.563	ug/l #	1
52) Toluene	8.726	92	2405	0.941	ug/l	89
67) Ethyl Benzene	10.195	91	7031	1.435	ug/l	93
68) m/p-Xylenes	10.299	106	9481	5.142	ug/l	95
69) o-Xylene	10.640	106	6738	3.853	ug/l	93
73) Isopropylbenzene	10.963	105	2723	0.579	ug/l	91
74) N-amyl acetate	10.854	43	205	0.295	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35478	25.427	ug/l #	38
78) n-propylbenzene	11.305	91	8171	1.411	ug/l	99
79) 2-Chlorotoluene	11.378	91	4420	1.268	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	10355	2.560	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	35478	74.976	ug/l #	5
82) 4-Chlorotoluene	11.451	91	1661	0.415	ug/l #	53
84) 1,2,4-Trimethylbenzene	11.750	105	43065	10.671	ug/l	99
85) sec-Butylbenzene	11.890	105	4399	0.858	ug/l	87
86) p-Isopropyltoluene	12.006	119	2690	0.642	ug/l	93
89) n-Butylbenzene	12.329	91	8466	2.083	ug/l #	51
90) Hexachloroethane	12.530	117	870	1.289	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.591	180	295	0.224	ug/l #	1
94) Hexachlorobutadiene	13.731	225	121	0.233	ug/l #	18
95) Naphthalene	13.780	128	7130	1.591	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	263	0.202	ug/l #	1

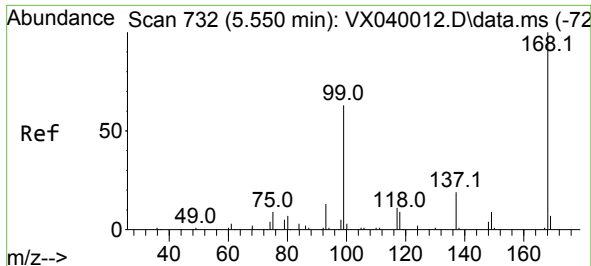
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
Data File : VX040046.D
Acq On : 31 Jan 2024 14:21
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Sample : P1282-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1240

Quant Time: Feb 01 04:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 31 07:12:04 2024
Response via : Initial Calibration

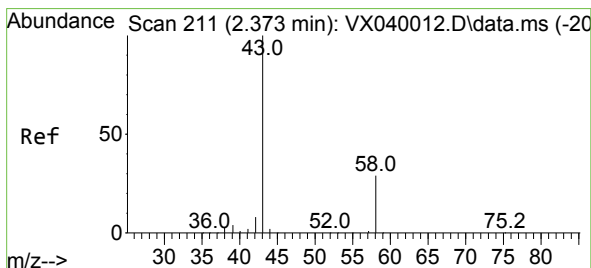
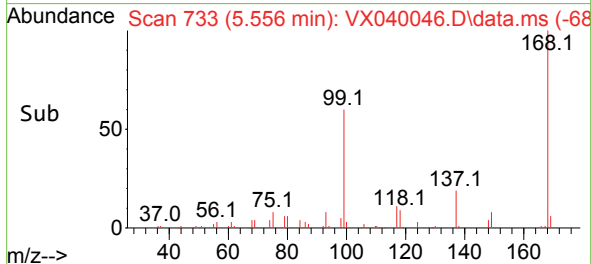
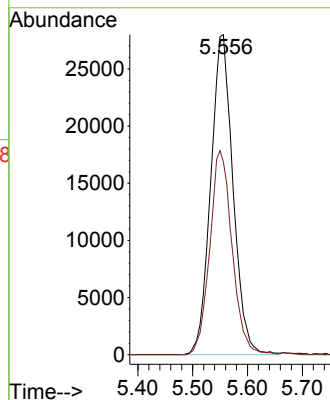
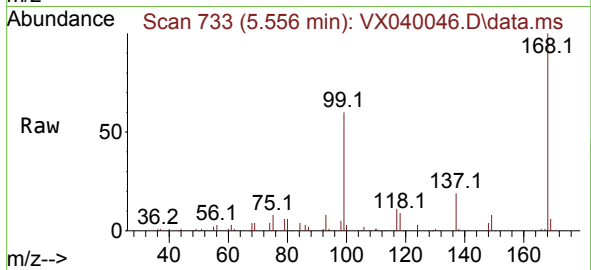




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.006 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

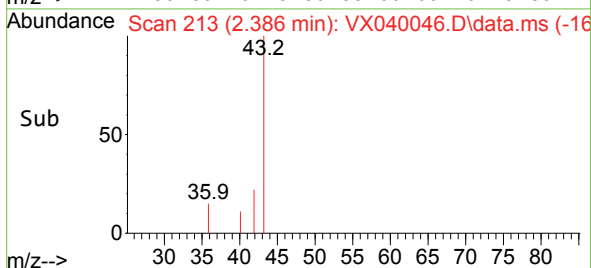
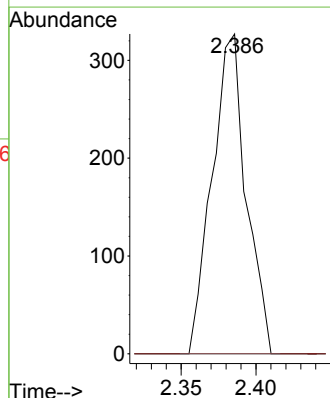
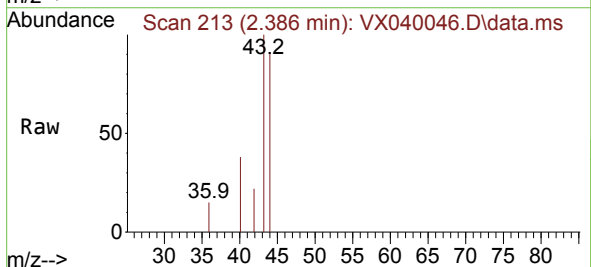
Instrument :
MSVOA_X
ClientSampleId :
1240

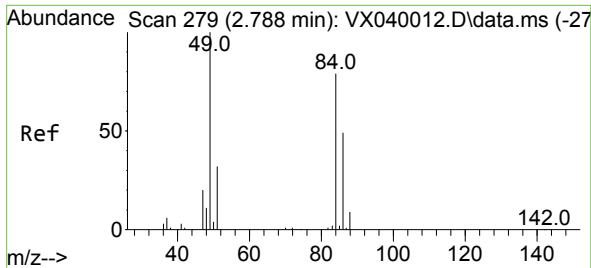
Tgt Ion:168 Resp: 78857
Ion Ratio Lower Upper
168 100
99 60.2 56.6 85.0



#16
Acetone
Concen: 0.869 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#

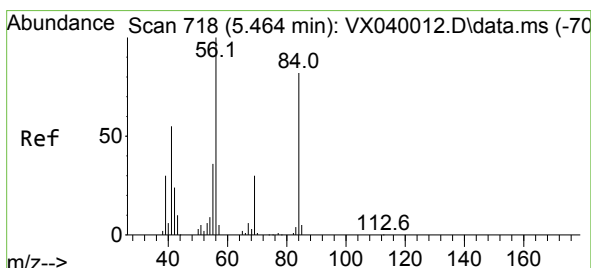
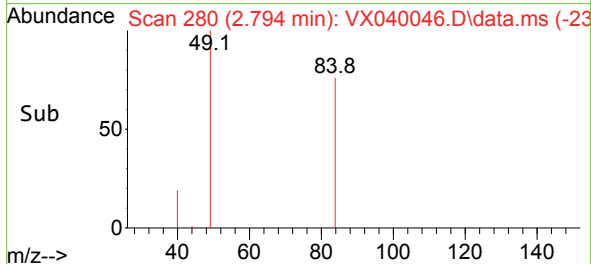
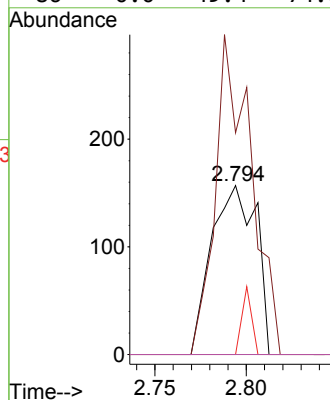
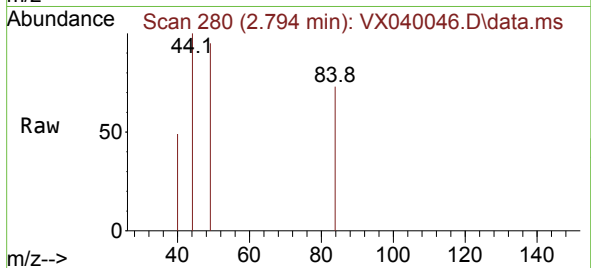




#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

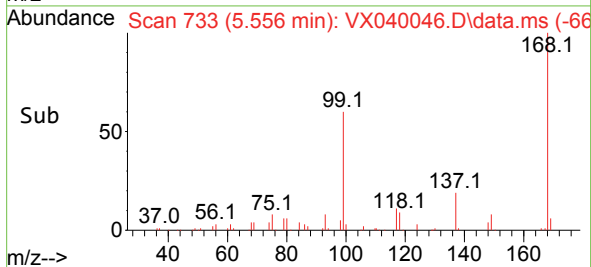
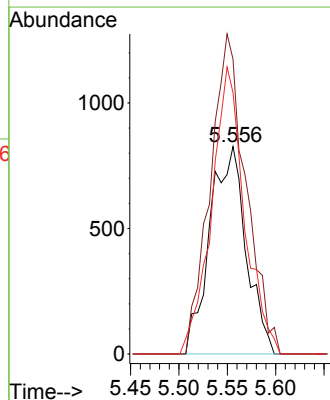
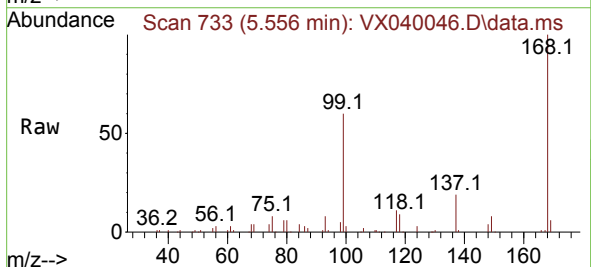
Instrument :
MSVOA_X
ClientSampleId :
1240

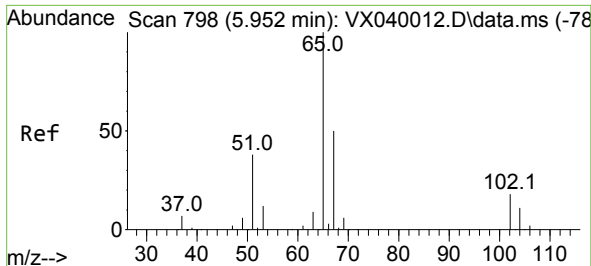
Tgt Ion:	84	Resp:	267
Ion	Ratio	Lower	Upper
84	100		
49	131.2	103.6	155.4
51	0.0	33.8	50.6#
86	0.0	49.4	74.0#



#31
Cyclohexane
Concen: 1.354 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion:	56	Resp:	2153
Ion	Ratio	Lower	Upper
56	100		
69	142.3	23.4	35.2#
84	126.2	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.470 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

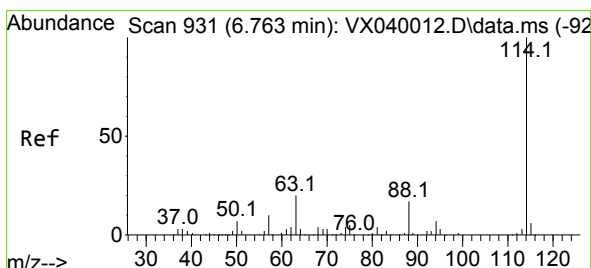
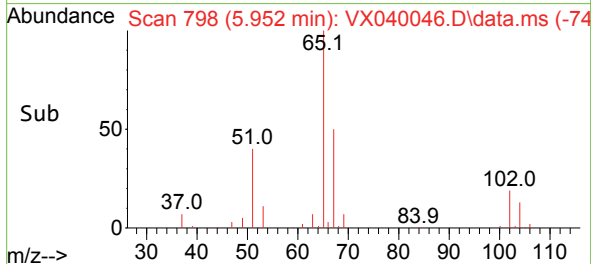
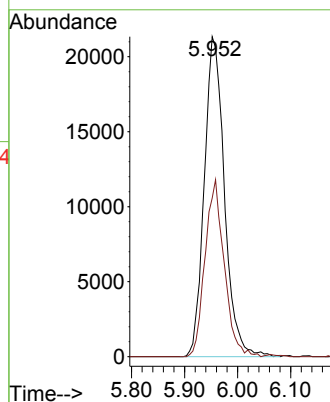
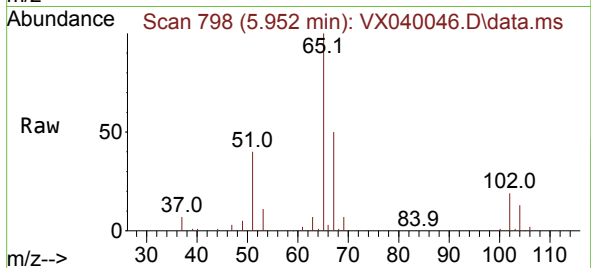
1240

Tgt Ion: 65 Resp: 56437

Ion Ratio Lower Upper

65 100

67 52.5 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: VX040046.D

Acq: 31 Jan 2024 14:21

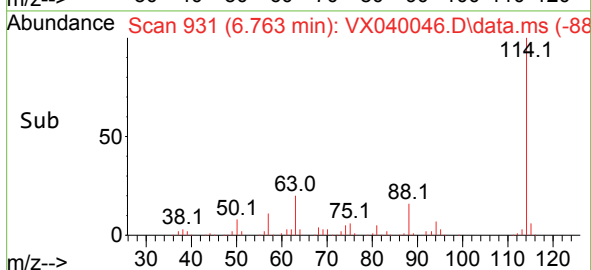
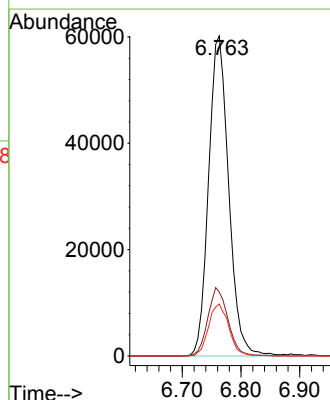
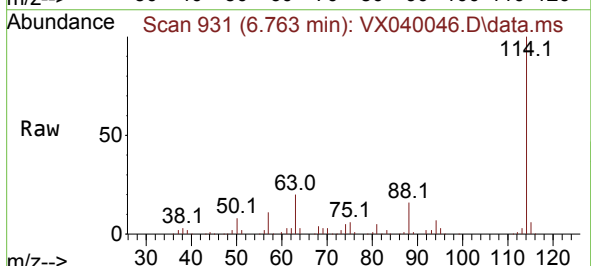
Tgt Ion: 114 Resp: 142966

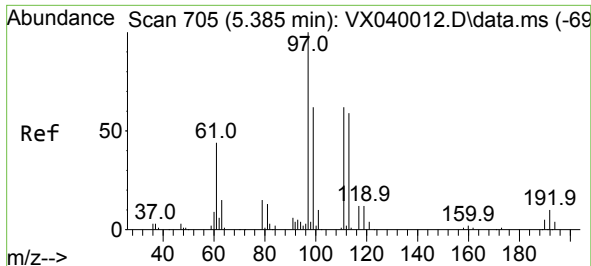
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

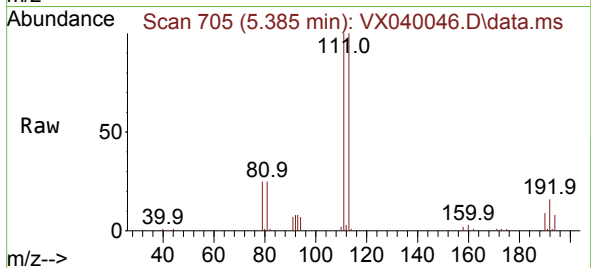
88 16.2 0.0 36.6



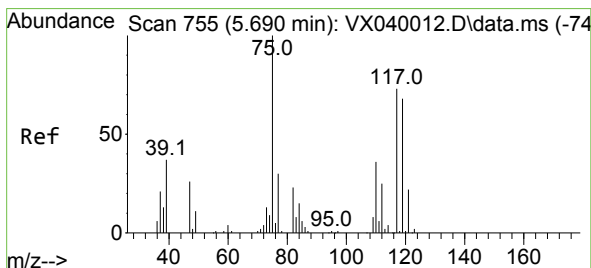
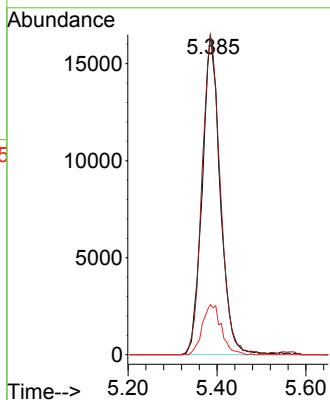
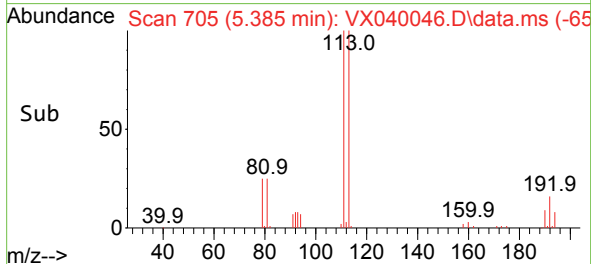


#35
Dibromofluoromethane
Concen: 47.537 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Instrument :
MSVOA_X
ClientSampleId :
1240

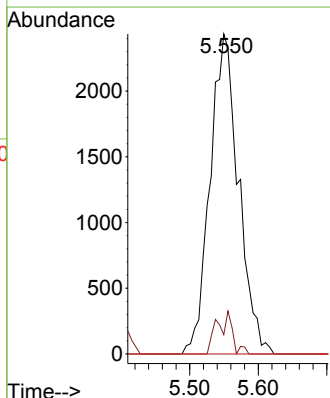
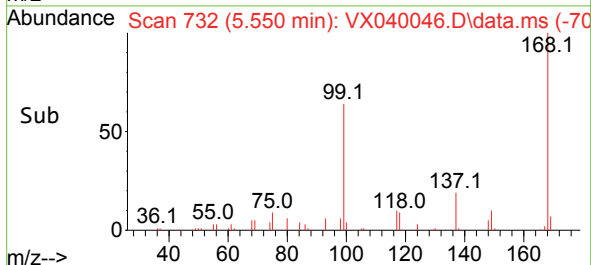
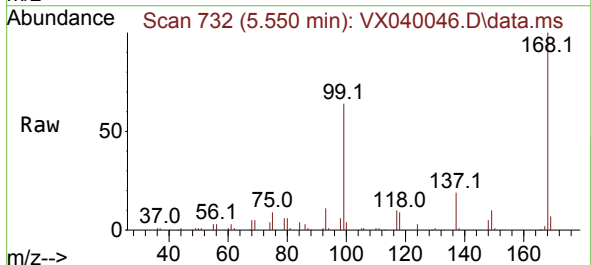


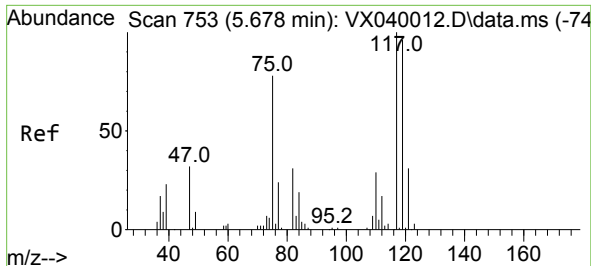
Tgt Ion:113 Resp: 46264
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

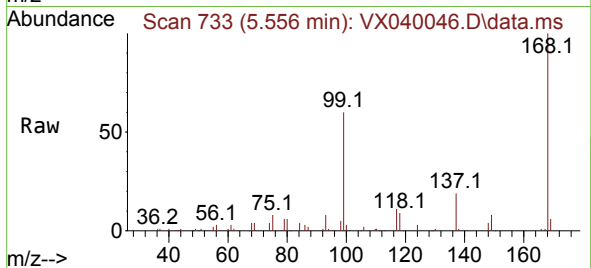
Tgt Ion: 75 Resp: 7030
Ion Ratio Lower Upper
75 100
110 4.0 17.0 50.9#
77 0.0 24.7 37.1#



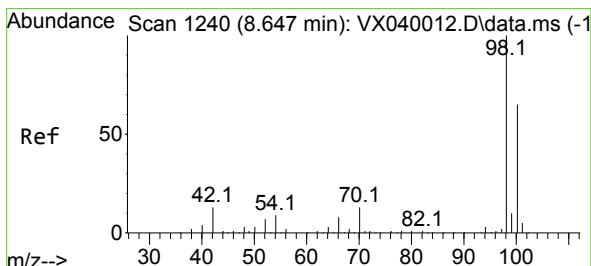
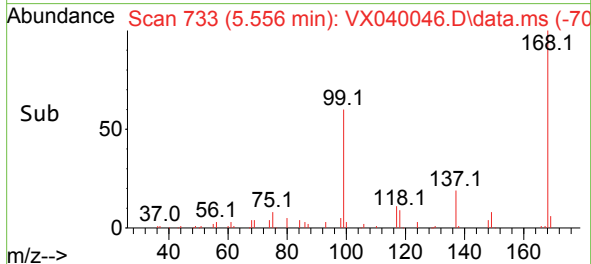
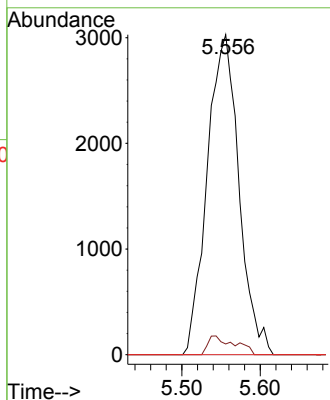


#38
Carbon Tetrachloride
Concen: 6.332 ug/l
RT: 5.556 min Scan# 712
Delta R.T. -0.122 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Instrument :
MSVOA_X
ClientSampleId :
1240

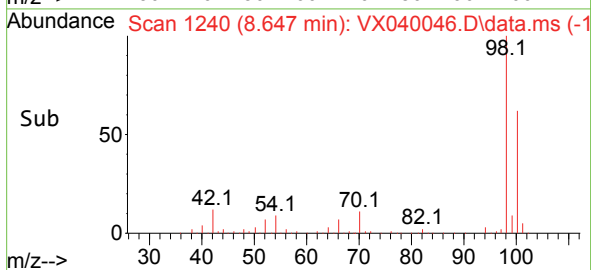
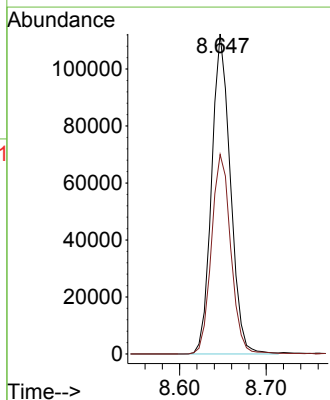
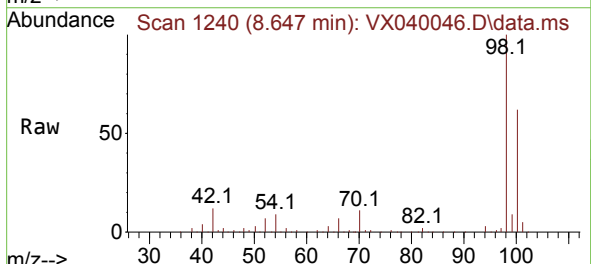


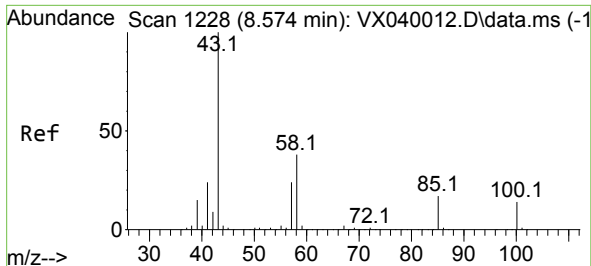
Tgt Ion:117 Resp: 8528
Ion Ratio Lower Upper
117 100
119 3.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 46.470 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion: 98 Resp: 169132
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.563 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

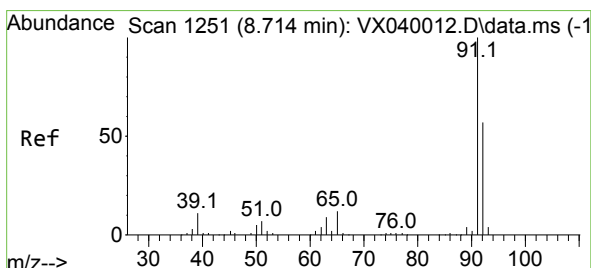
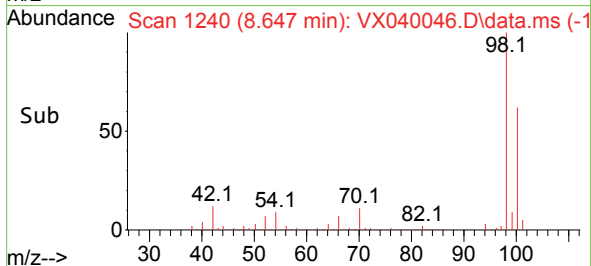
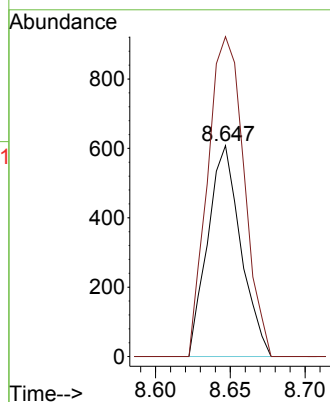
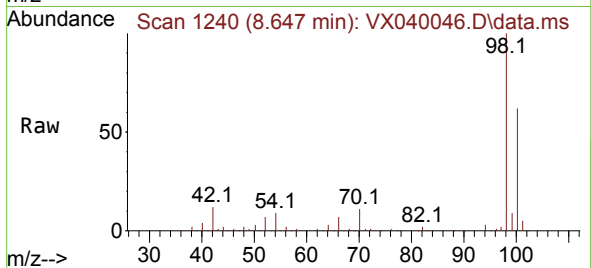
1240

Tgt Ion: 43 Resp: 932

Ion Ratio Lower Upper

43 100

58 167.1 30.4 45.6#



#52

Toluene

Concen: 0.941 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.012 min

Lab File: VX040046.D

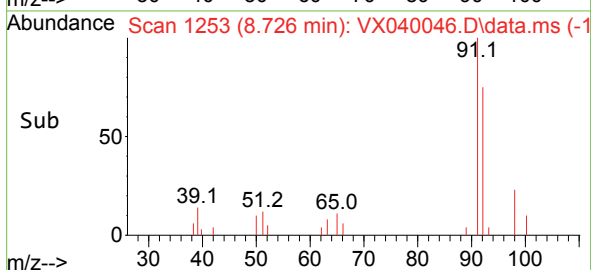
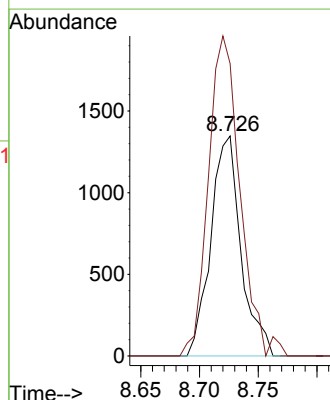
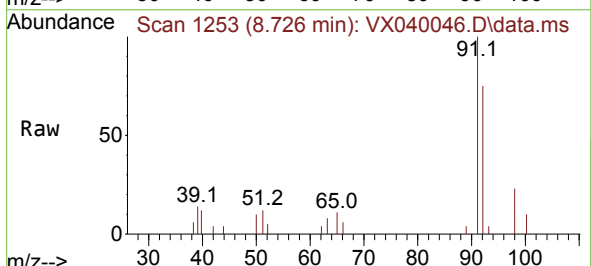
Acq: 31 Jan 2024 14:21

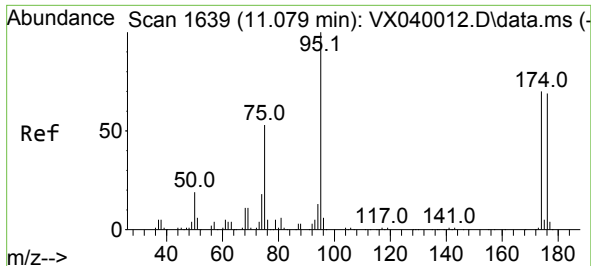
Tgt Ion: 92 Resp: 2405

Ion Ratio Lower Upper

92 100

91 152.7 134.2 201.2

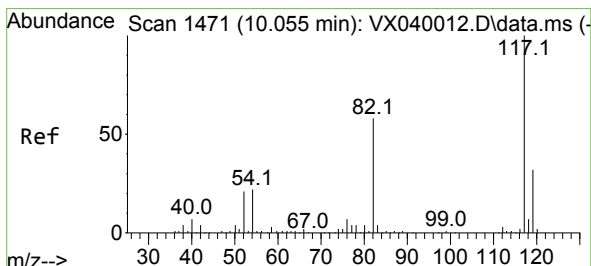
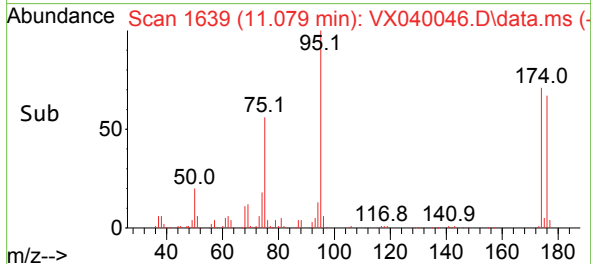
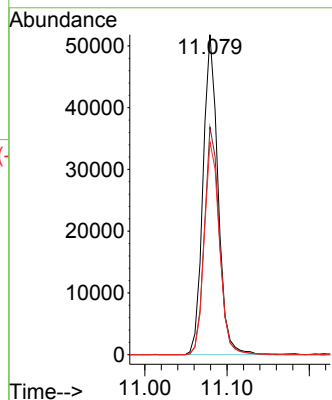
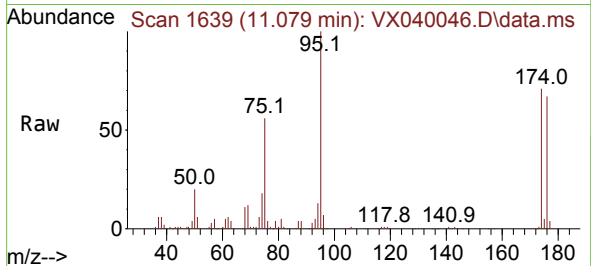




#62
4-Bromofluorobenzene
Concen: 46.831 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

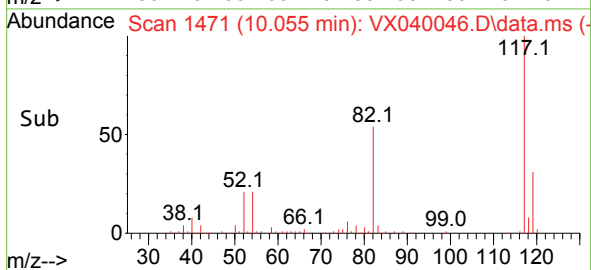
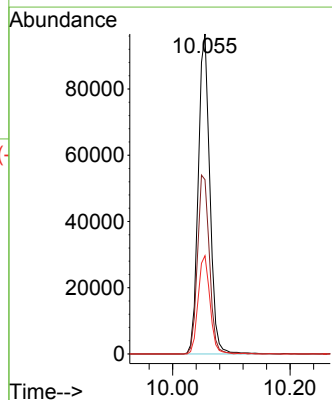
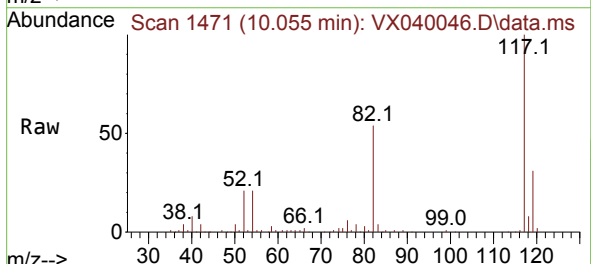
Instrument :
MSVOA_X
ClientSampleId :
1240

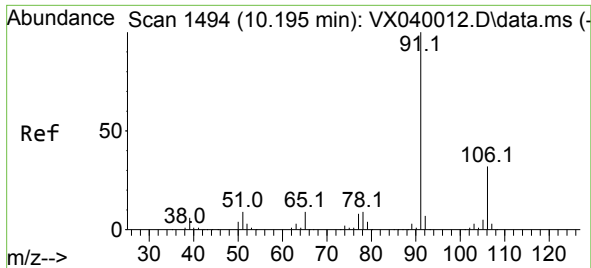
Tgt Ion: 95 Resp: 65630
Ion Ratio Lower Upper
95 100
174 71.1 0.0 135.6
176 67.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion: 117 Resp: 132146
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 30.7 25.5 38.3

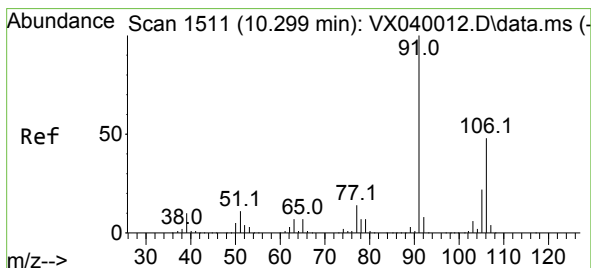
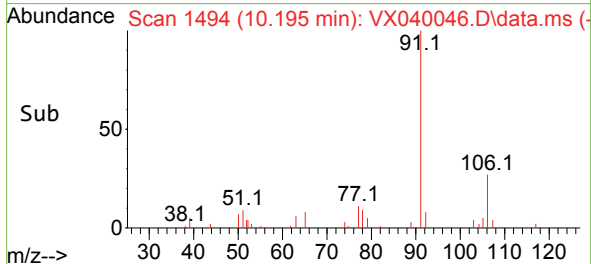
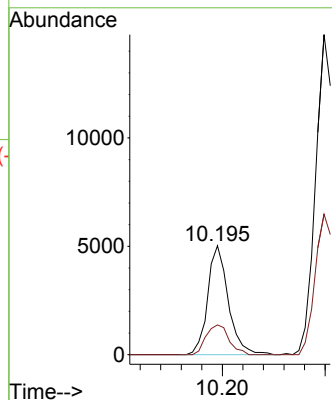
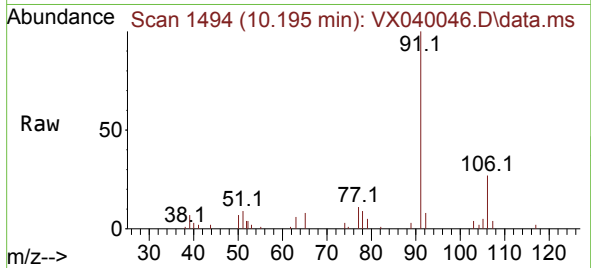




#67
Ethyl Benzene
Concen: 1.435 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

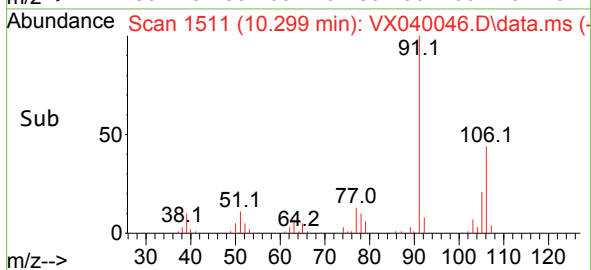
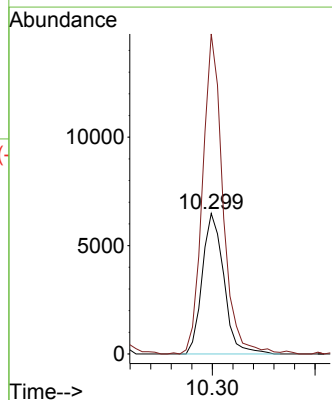
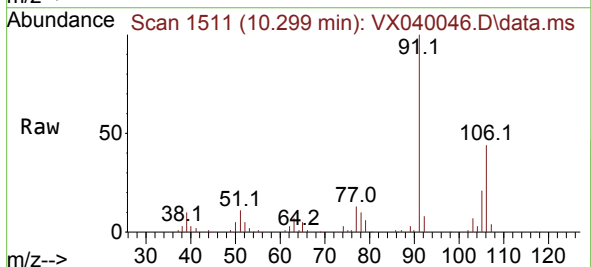
Instrument :
MSVOA_X
ClientSampleId :
1240

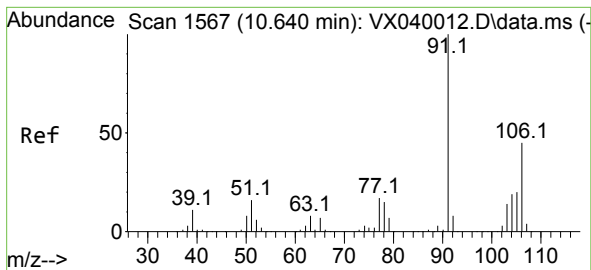
Tgt Ion: 91 Resp: 7031
Ion Ratio Lower Upper
91 100
106 27.4 24.9 37.3



#68
m/p-Xylenes
Concen: 5.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion: 106 Resp: 9481
Ion Ratio Lower Upper
106 100
91 214.6 165.5 248.3





#69

o-Xylene

Concen: 3.853 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

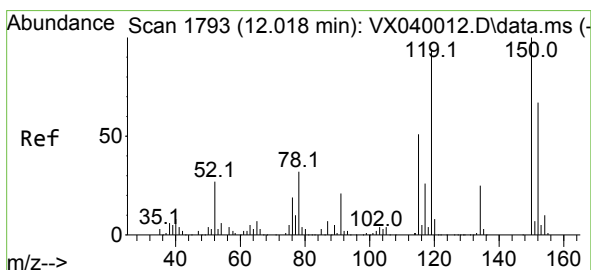
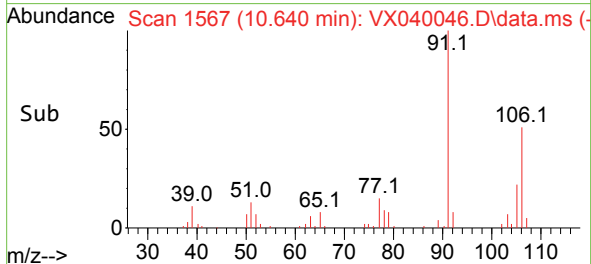
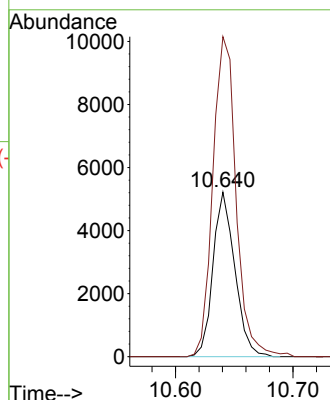
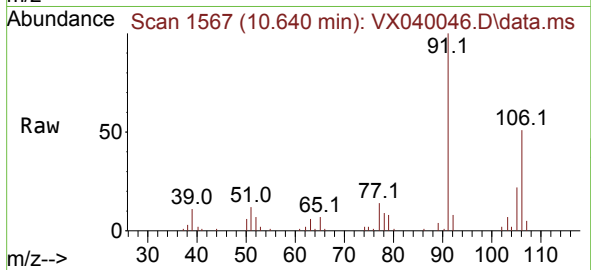
1240

Tgt Ion:106 Resp: 6738

Ion Ratio Lower Upper

106 100

91 207.4 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

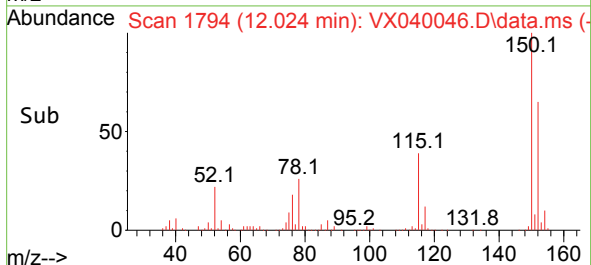
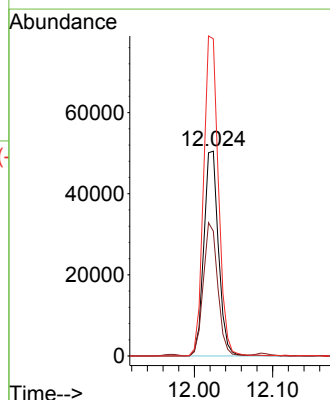
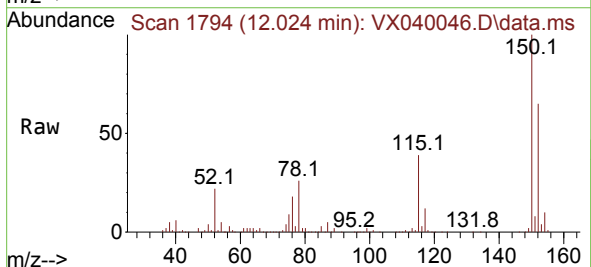
Tgt Ion:152 Resp: 65522

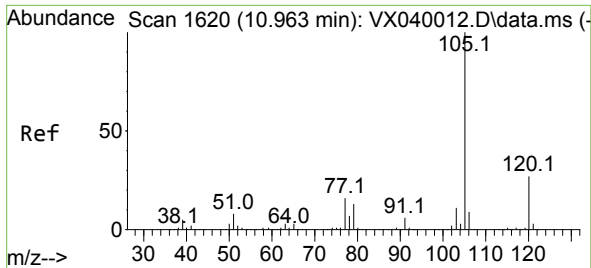
Ion Ratio Lower Upper

152 100

115 64.2 43.3 129.9

150 158.0 0.0 345.0

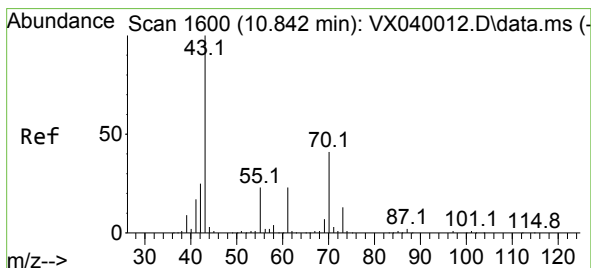
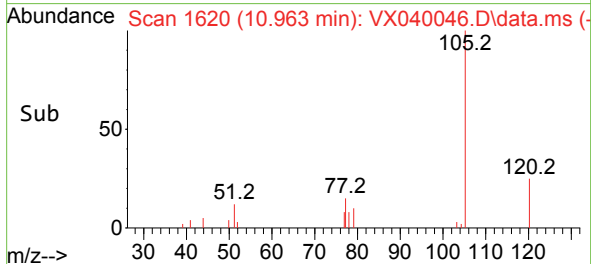
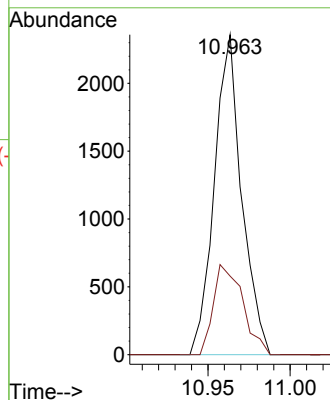
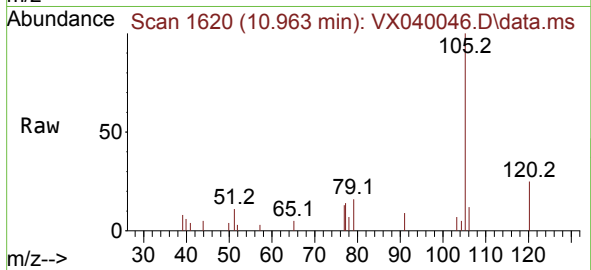




#73
Isopropylbenzene
Concen: 0.579 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

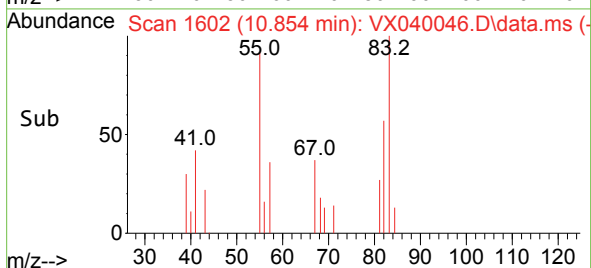
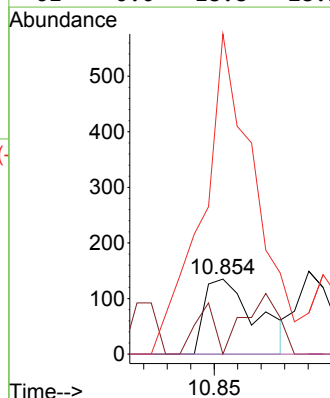
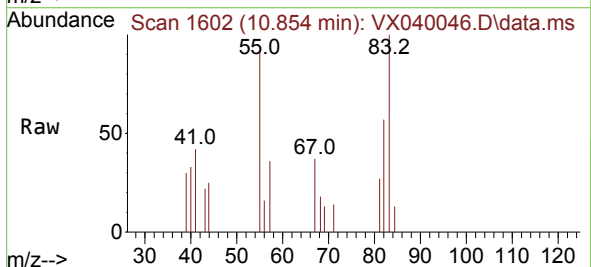
Instrument :
MSVOA_X
ClientSampleId :
1240

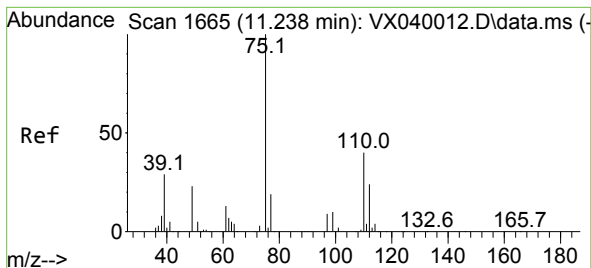
Tgt Ion:105 Resp: 2723
Ion Ratio Lower Upper
105 100
120 30.2 12.9 38.6



#74
N-ethyl acetate
Concen: 0.295 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
70 25.9 32.9 49.3#
55 437.1 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.427 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

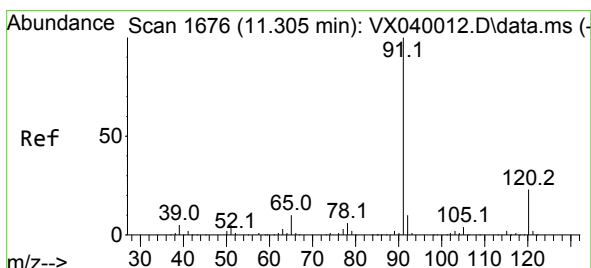
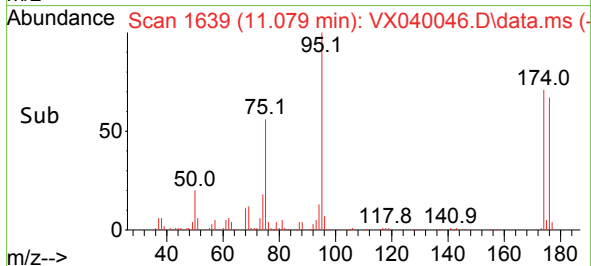
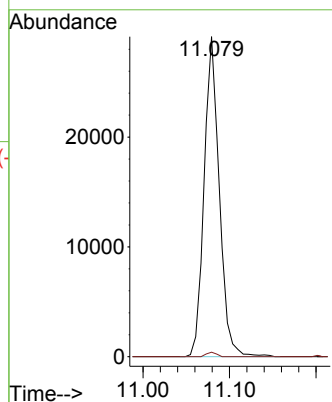
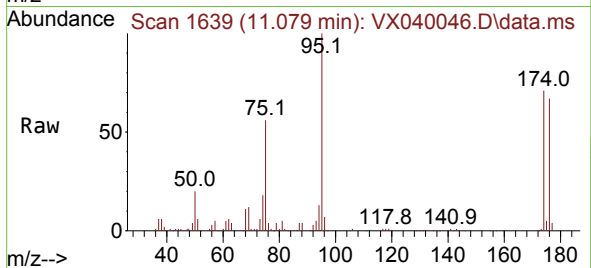
1240

Tgt Ion: 75 Resp: 35478

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#78

n-propylbenzene

Concen: 1.411 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040046.D

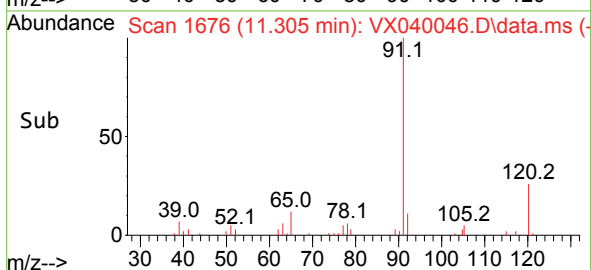
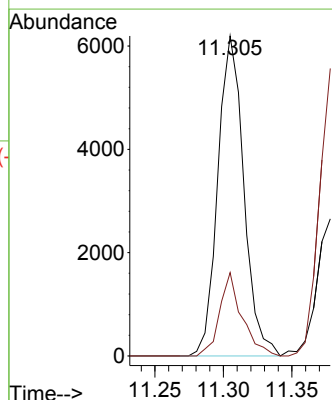
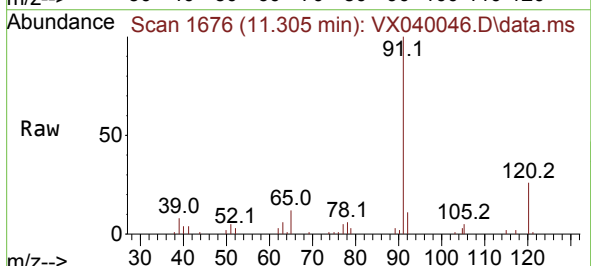
Acq: 31 Jan 2024 14:21

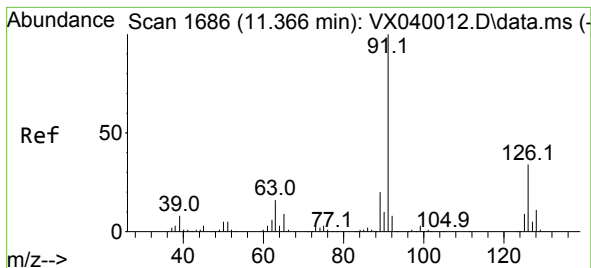
Tgt Ion: 91 Resp: 8171

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 1.268 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

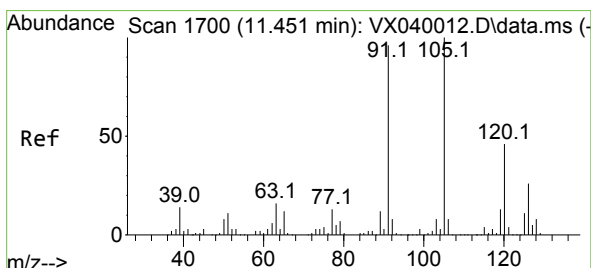
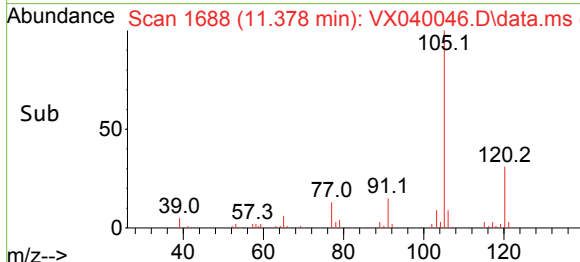
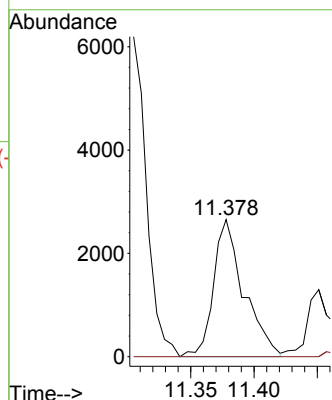
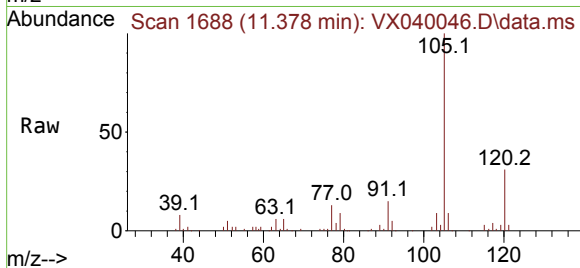
1240

Tgt Ion: 91 Resp: 4420

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 2.560 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX040046.D

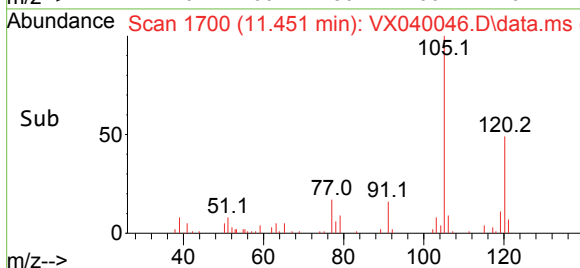
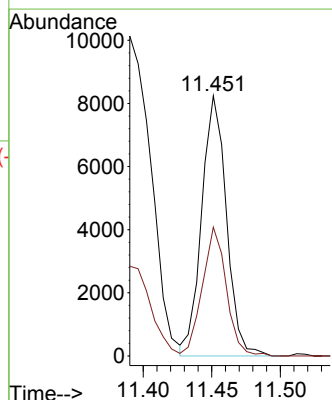
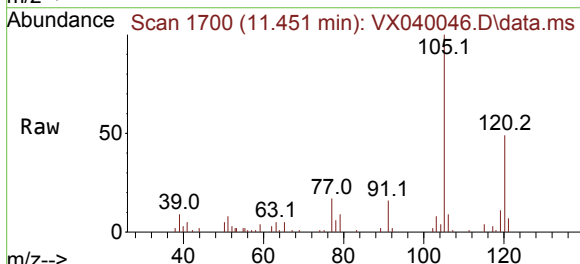
Acq: 31 Jan 2024 14:21

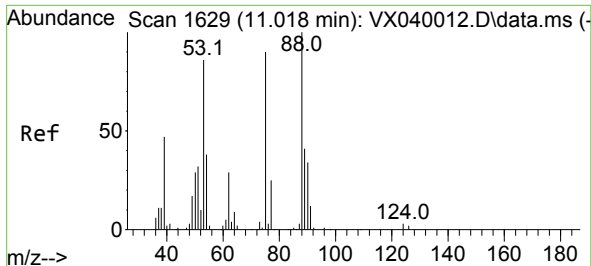
Tgt Ion:105 Resp: 10355

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3

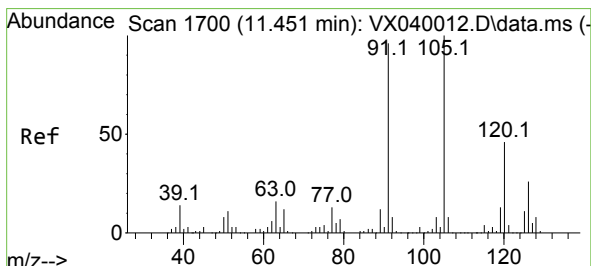
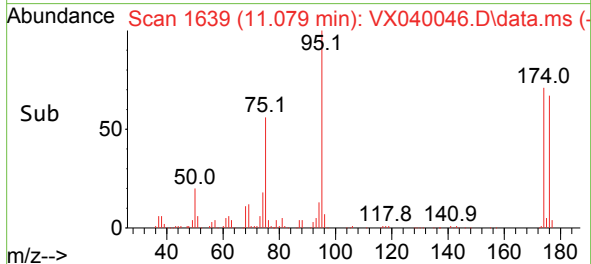
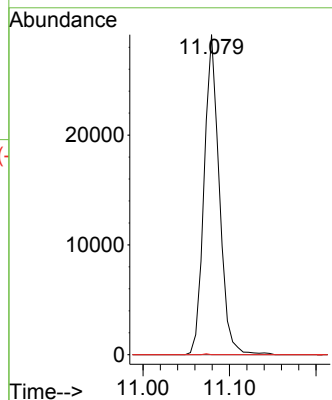
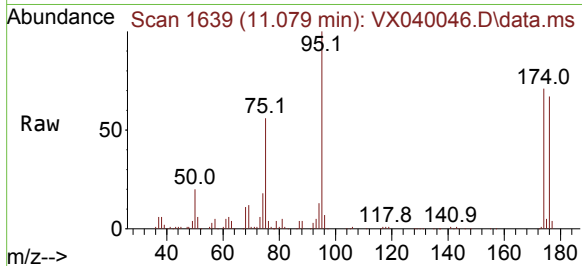




#81
trans-1,4-Dichloro-2-butene
Concen: 74.976 ug/l
RT: 11.079 min Scan# 11240
Delta R.T. 0.061 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

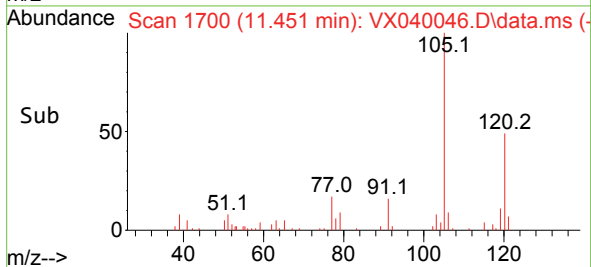
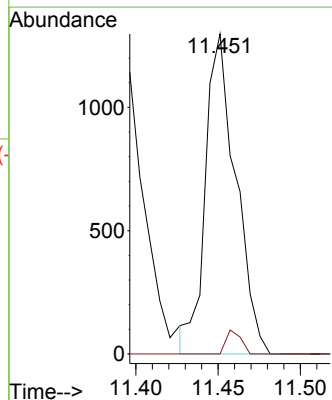
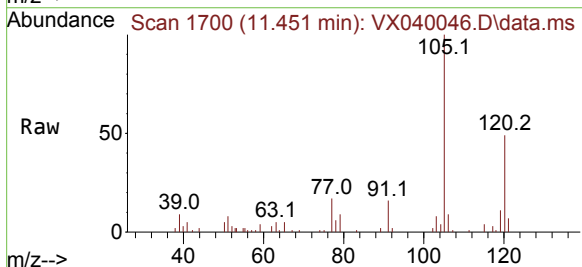
Instrument :
MSVOA_X
ClientSampleId :
1240

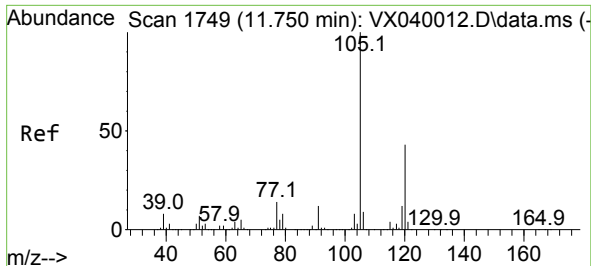
Tgt Ion: 75 Resp: 35478
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.415 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion: 91 Resp: 1661
Ion Ratio Lower Upper
91 100
126 3.7 14.2 42.6#

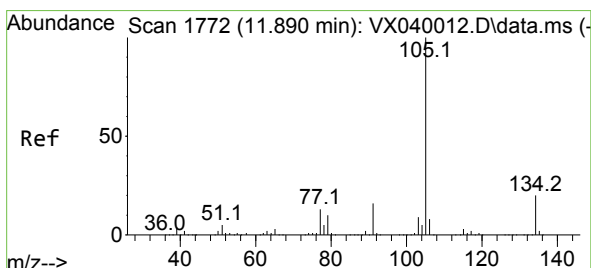
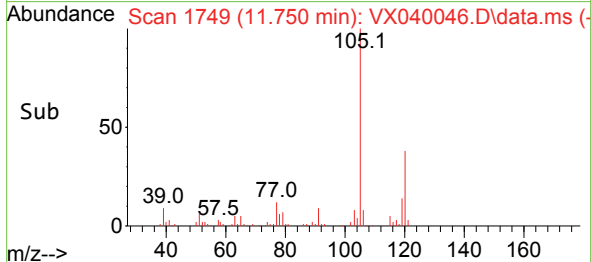
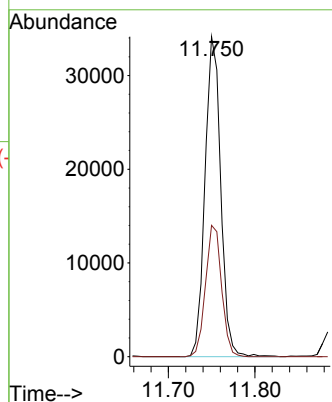
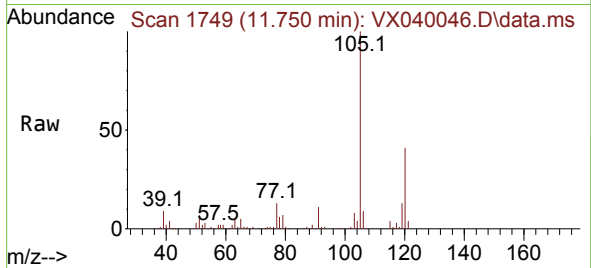




#84
1,2,4-Trimethylbenzene
Concen: 10.671 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

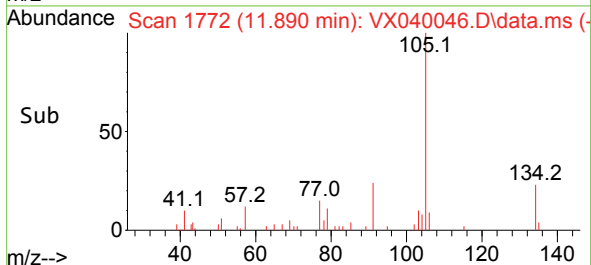
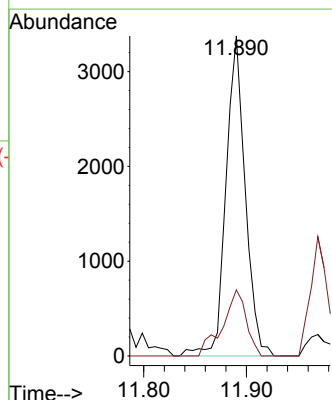
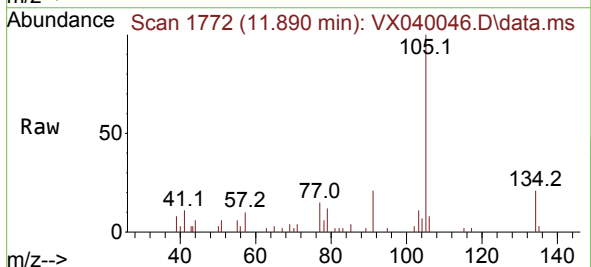
Instrument :
MSVOA_X
ClientSampleId :
1240

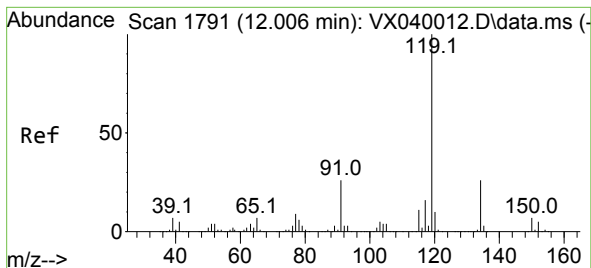
Tgt Ion:105 Resp: 43065
Ion Ratio Lower Upper
105 100
120 42.0 21.2 63.6



#85
sec-Butylbenzene
Concen: 0.858 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX040046.D
Acq: 31 Jan 2024 14:21

Tgt Ion:105 Resp: 4399
Ion Ratio Lower Upper
105 100
134 25.4 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.642 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

1240

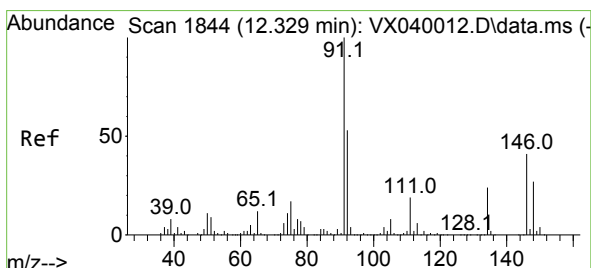
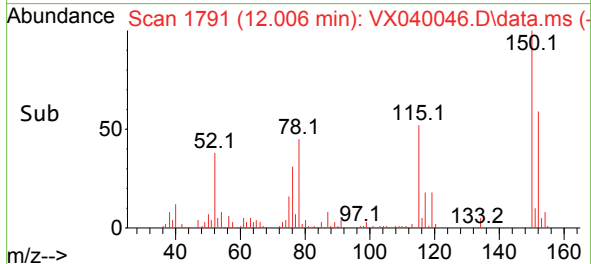
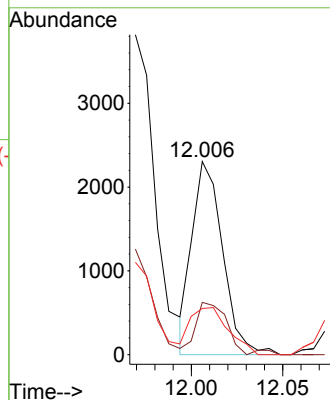
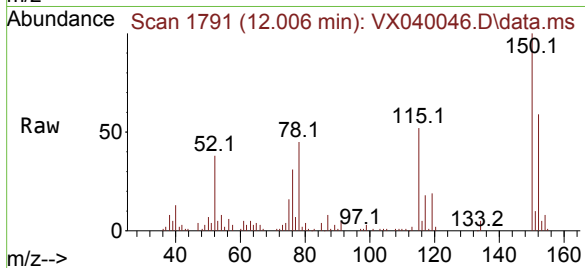
Tgt Ion:119 Resp: 2690

Ion Ratio Lower Upper

119 100

134 28.3 12.8 38.3

91 30.4 13.1 39.3



#89

n-Butylbenzene

Concen: 2.083 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

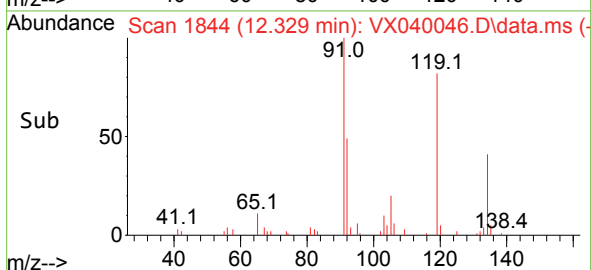
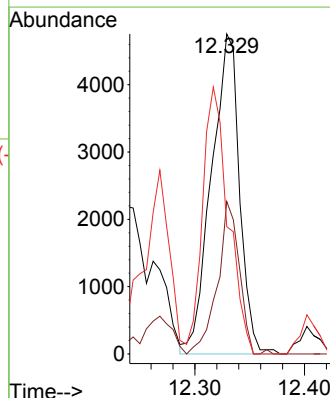
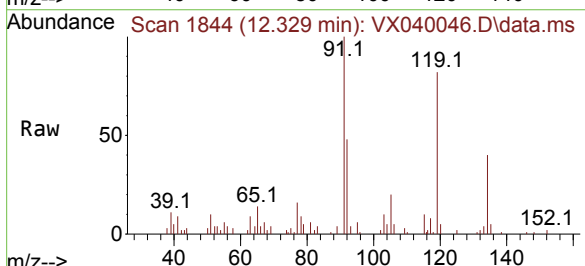
Tgt Ion: 91 Resp: 8466

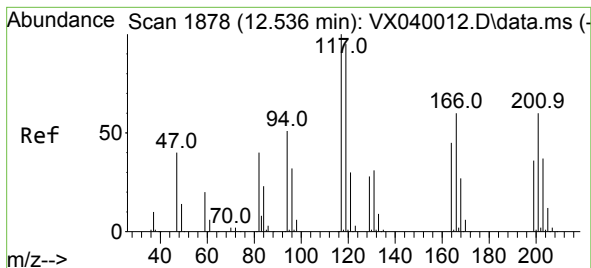
Ion Ratio Lower Upper

91 100

92 36.7 27.4 82.0

134 75.6 12.6 37.8#





#90

Hexachloroethane

Concen: 1.289 ug/l

RT: 12.530 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

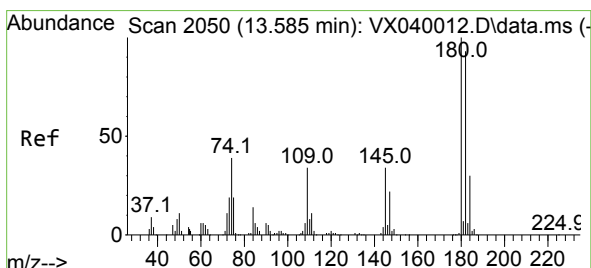
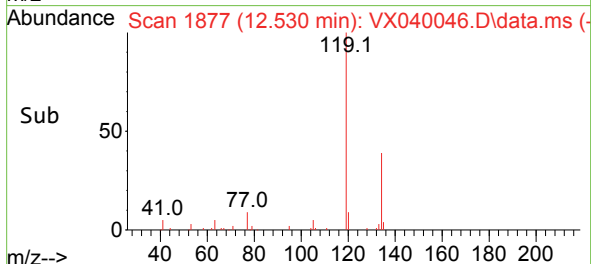
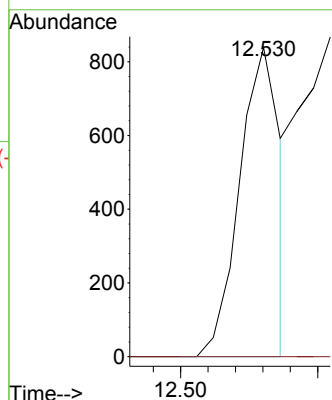
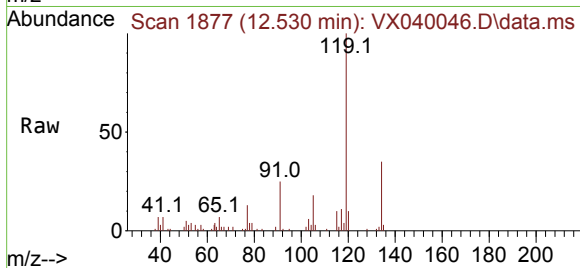
1240

Tgt Ion:117 Resp: 870

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.224 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

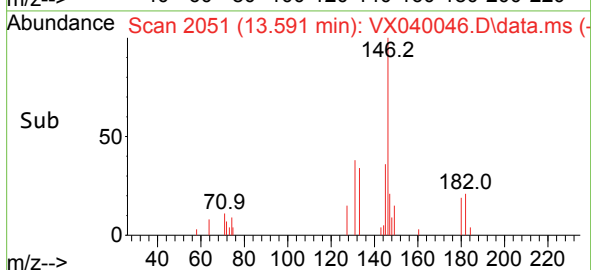
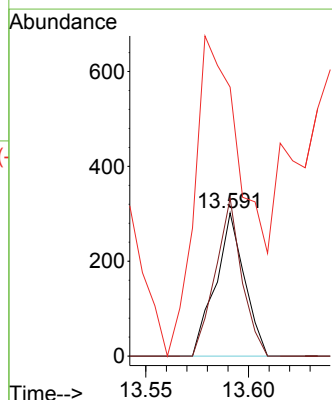
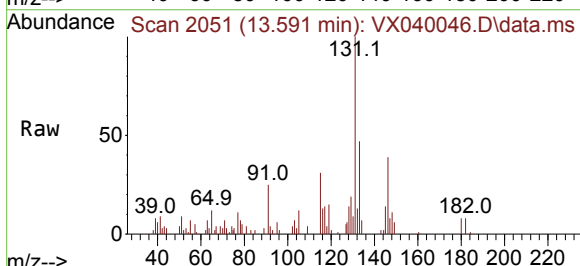
Tgt Ion:180 Resp: 295

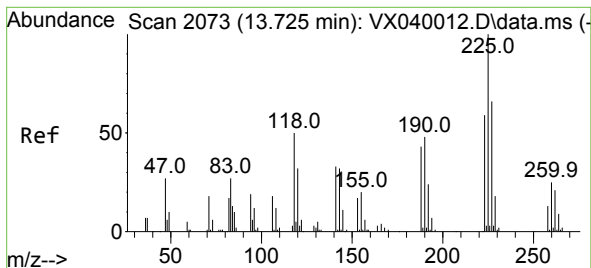
Ion Ratio Lower Upper

180 100

182 101.0 48.3 144.8

145 384.7 18.0 54.0#





#94

Hexachlorobutadiene

Concen: 0.233 ug/l

RT: 13.731 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

Instrument :

MSVOA_X

ClientSampleId :

1240

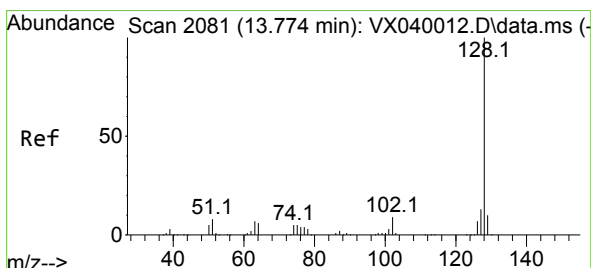
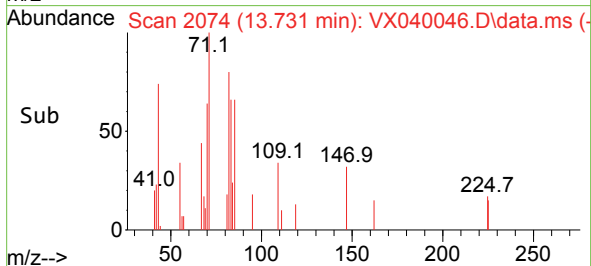
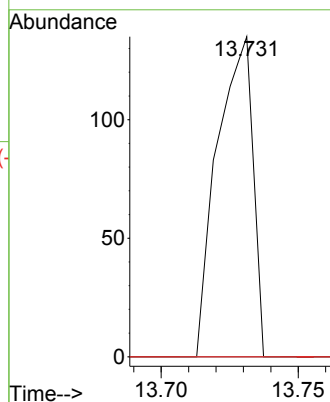
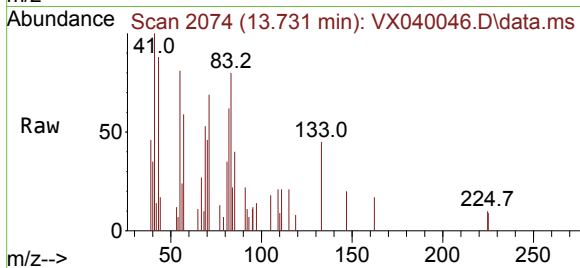
Tgt Ion:225 Resp: 121

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.2#

227 0.0 32.5 97.5#



#95

Naphthalene

Concen: 1.591 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040046.D

Acq: 31 Jan 2024 14:21

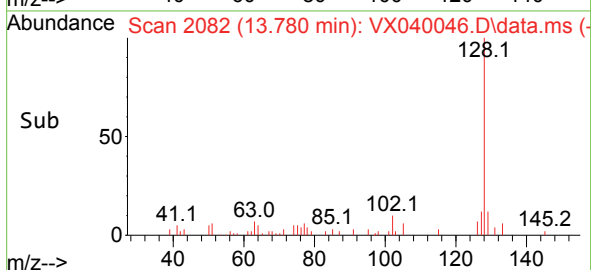
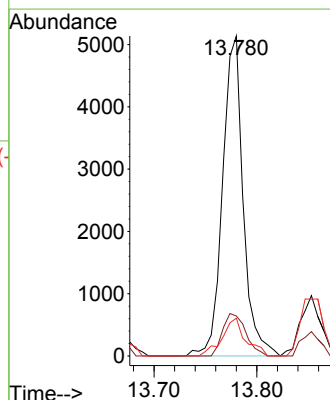
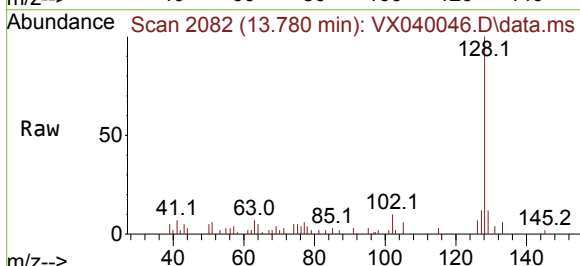
Tgt Ion:128 Resp: 7130

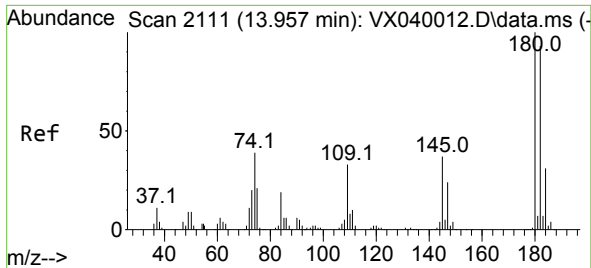
Ion Ratio Lower Upper

128 100

127 14.9 10.3 15.5

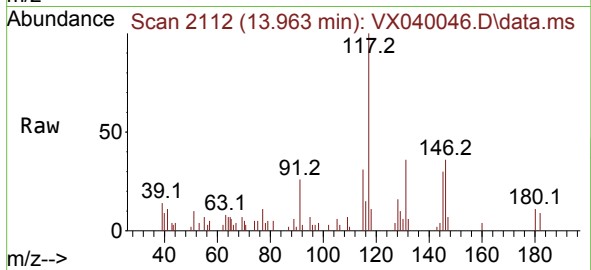
129 13.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX040046.D
 Acq: 31 Jan 2024 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 1240



Tgt Ion:180 Resp: 263
 Ion Ratio Lower Upper
 180 100
 182 97.7 46.9 140.6
 145 421.3 17.8 53.5#

