

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040021.D
 Acq On : 30 Jan 2024 16:04
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jan 31 05:38:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 05:24:02 2024
 Response via : Initial Calibration

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

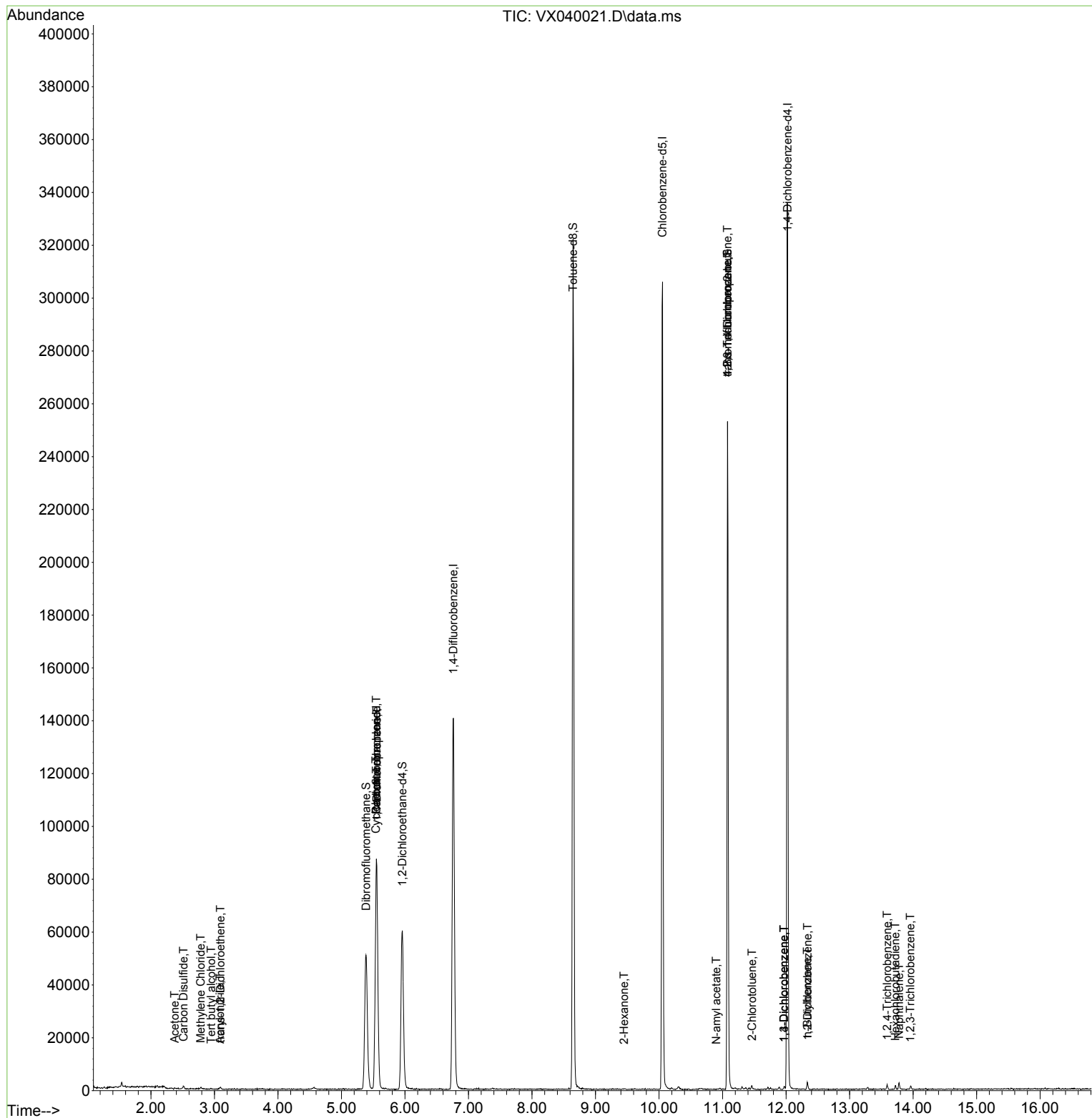
Internal Standards						
1) Pentafluorobenzene	5.550	168	74322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	139476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58997	49.324	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.640%		
35) Dibromofluoromethane	5.385	113	44603	46.977	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.960%		
50) Toluene-d8	8.647	98	182361	51.359	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.720%		
62) 4-Bromofluorobenzene	11.079	95	65595	47.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.960%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	187	0.862	ug/l #	78
15) Acrylonitrile	3.087	53	271	0.498	ug/l #	58
16) Acetone	2.373	43	353	0.630	ug/l #	40
17) Carbon Disulfide	2.514	76	1403	0.574	ug/l #	76
20) Methylene Chloride	2.782	84	202	0.203	ug/l #	55
21) trans-1,2-Dichloroethene	3.093	96	218	0.237	ug/l #	44
31) Cyclohexane	5.544	56	2363	1.577	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	7365	5.364	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8715	6.633	ug/l #	17
59) 2-Hexanone	9.451	43	289	0.225	ug/l #	26
74) N-amyl acetate	10.902	43	26	0.211	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	36722	27.466	ug/l #	38
79) 2-Chlorotoluene	11.463	91	750	0.225	ug/l	75
81) trans-1,4-Dichloro-2-b...	11.079	75	36722	79.957	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	465	0.222	ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	465	0.217	ug/l	96
89) n-Butylbenzene	12.335	91	1028	0.264	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	407	0.201	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	528	0.418	ug/l #	81
94) Hexachlorobutadiene	13.719	225	256	0.514	ug/l	80
95) Naphthalene	13.780	128	2029	0.472	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.957	180	393	0.314	ug/l	80

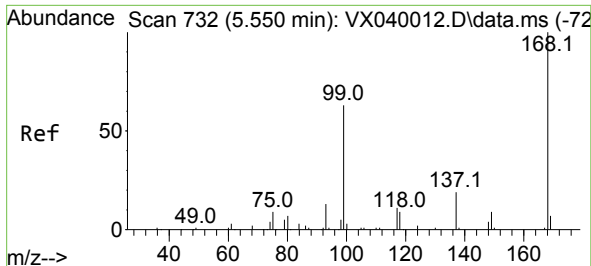
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
Data File : VX040021.D
Acq On : 30 Jan 2024 16:04
Operator : JC/MD
Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Jan 31 05:38:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 31 05:24:02 2024
Response via : Initial Calibration

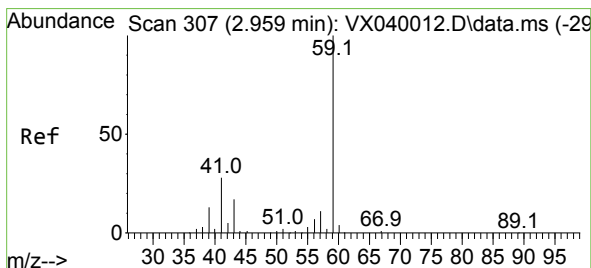
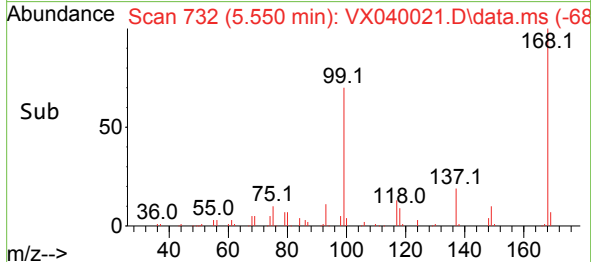
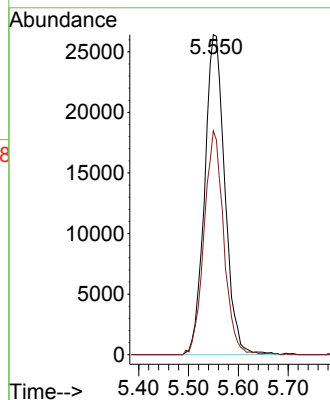
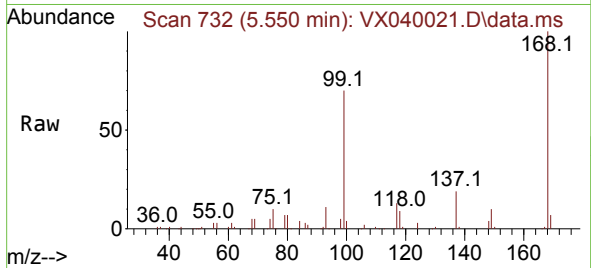




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

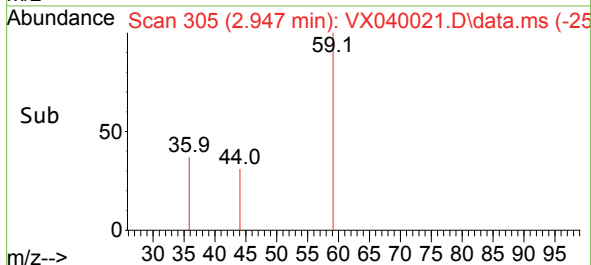
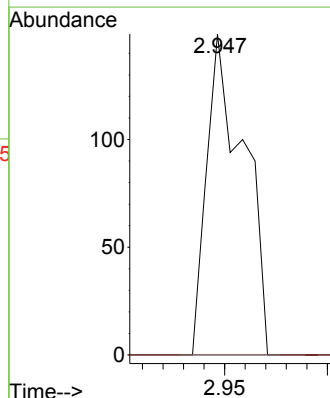
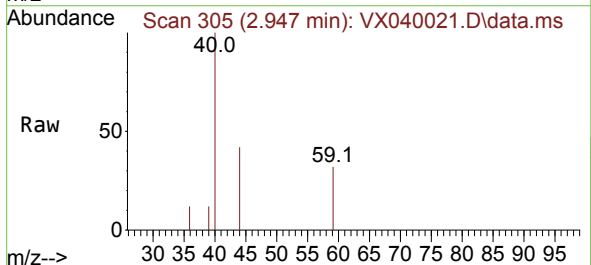
Instrument :
MSVOA_X
ClientSampleId :
IBLK

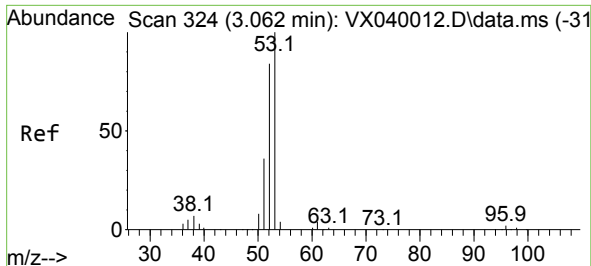
Tgt Ion:168 Resp: 74322
Ion Ratio Lower Upper
168 100
99 69.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.862 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#15

Acrylonitrile

Concen: 0.498 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.024 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

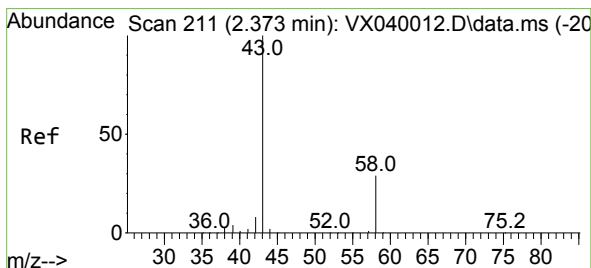
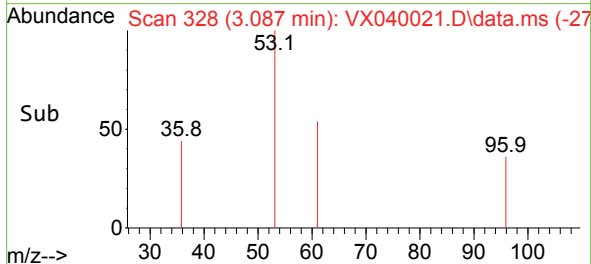
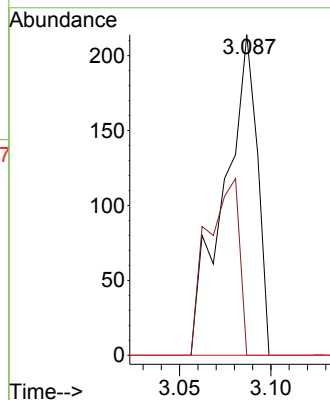
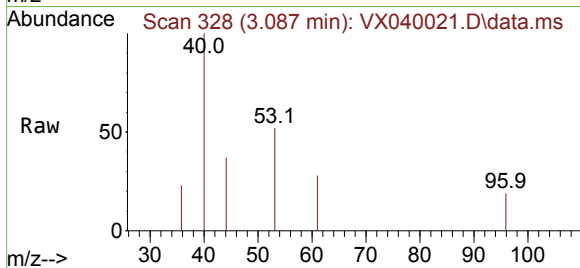
Tgt Ion: 53 Resp: 271

Ion Ratio Lower Upper

53 100

52 52.8 66.0 99.0#

51 0.0 29.8 44.6#



#16

Acetone

Concen: 0.630 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX040021.D

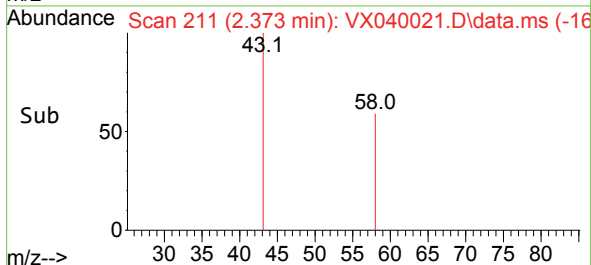
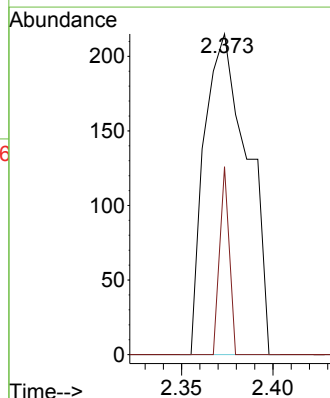
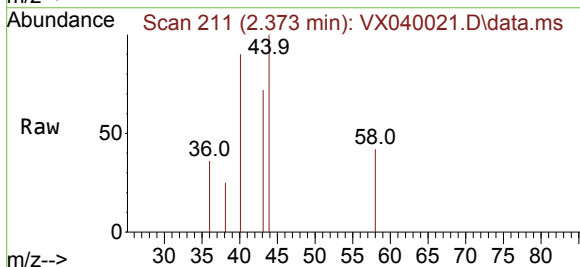
Acq: 30 Jan 2024 16:04

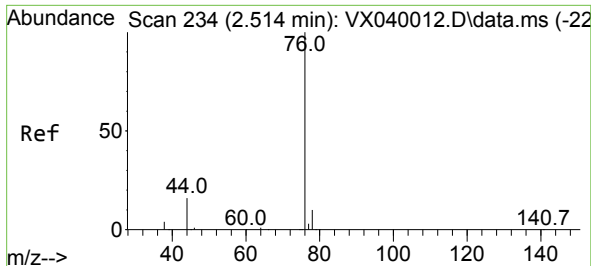
Tgt Ion: 43 Resp: 353

Ion Ratio Lower Upper

43 100

58 58.6 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.574 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

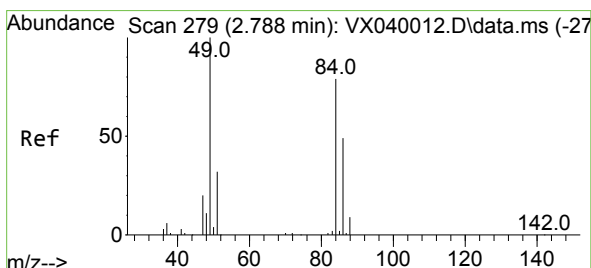
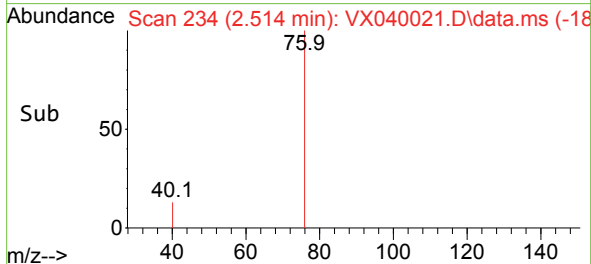
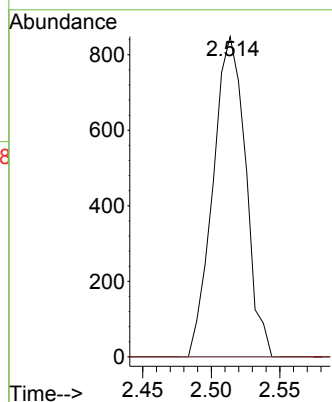
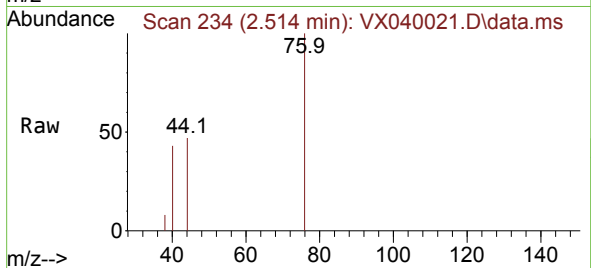
IBLK

Tgt Ion: 76 Resp: 1403

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.203 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Tgt Ion: 84 Resp: 202

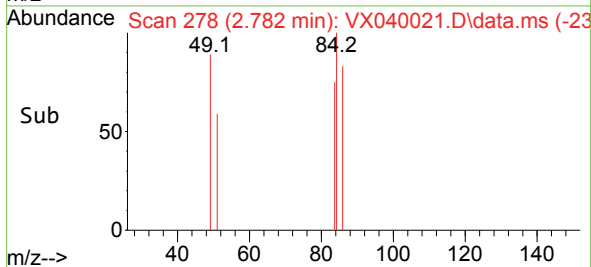
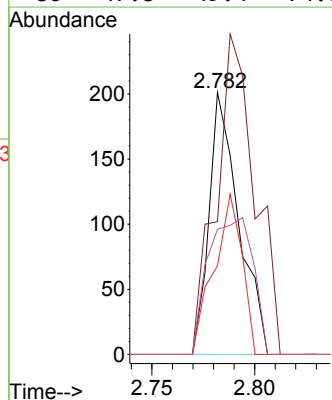
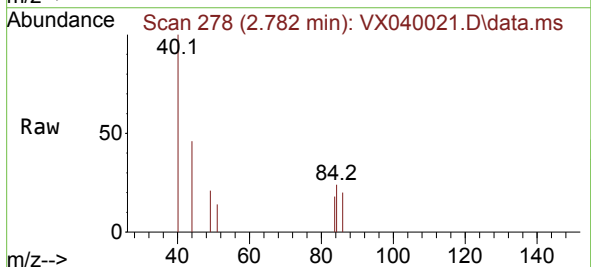
Ion Ratio Lower Upper

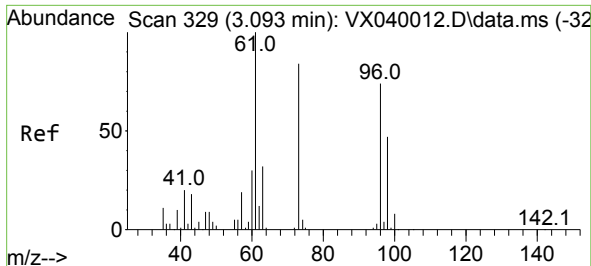
84 100

49 50.7 103.6 155.4#

51 33.8 33.8 50.6

86 47.8 49.4 74.0#

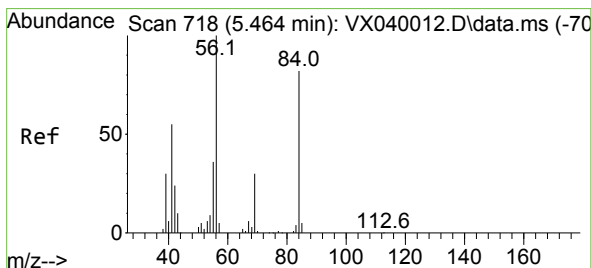
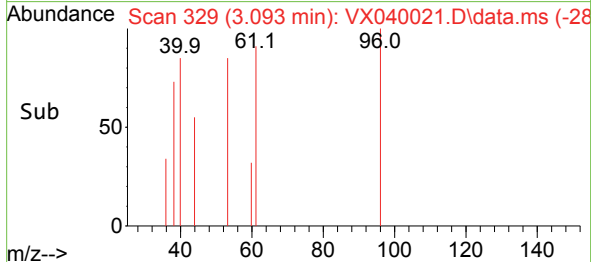
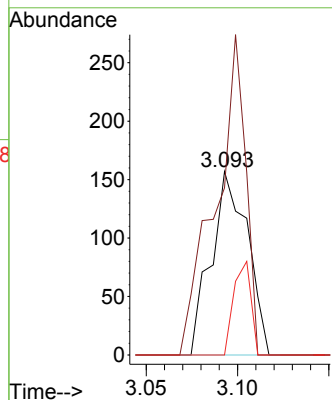
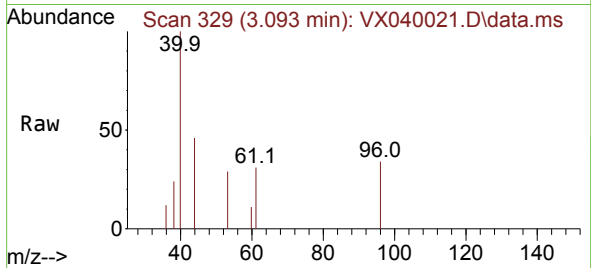




#21
trans-1,2-Dichloroethene
Concen: 0.237 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

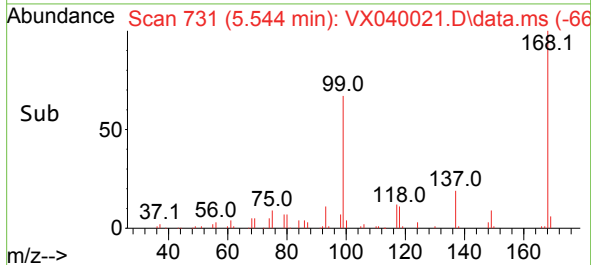
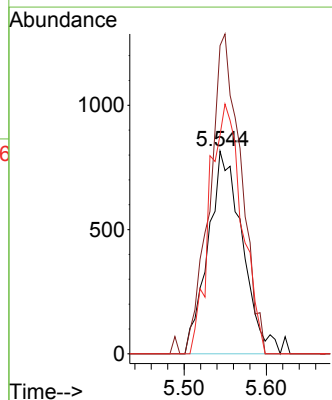
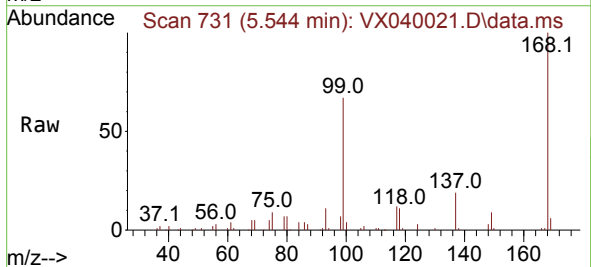
Instrument :
MSVOA_X
ClientSampleId :
IBLK

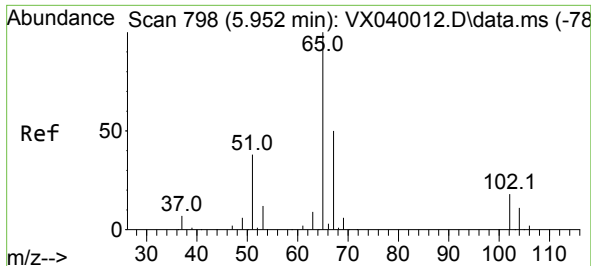
Tgt Ion: 96 Resp: 218
Ion Ratio Lower Upper
96 100
61 91.1 119.2 178.8#
98 0.0 48.7 73.1#



#31
Cyclohexane
Concen: 1.577 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

Tgt Ion: 56 Resp: 2363
Ion Ratio Lower Upper
56 100
69 152.1 23.4 35.2#
84 108.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.324 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

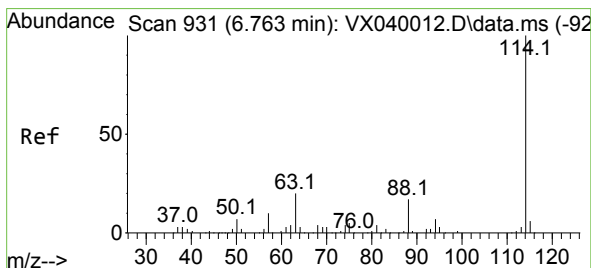
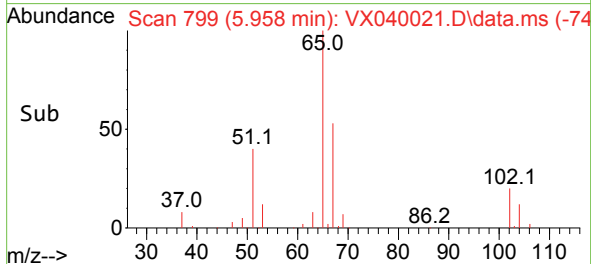
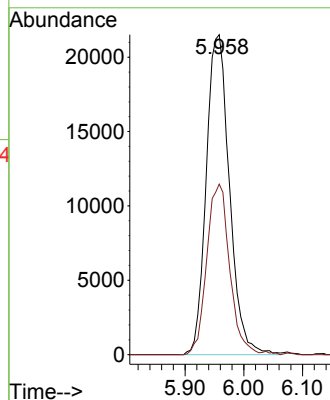
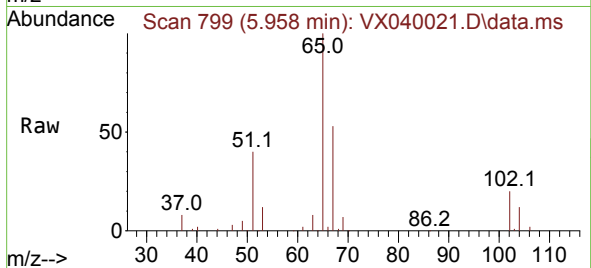
IBLK

Tgt Ion: 65 Resp: 58997

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: VX040021.D

Acq: 30 Jan 2024 16:04

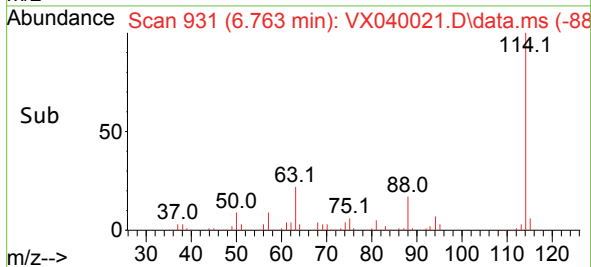
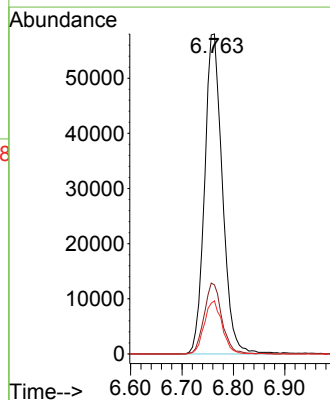
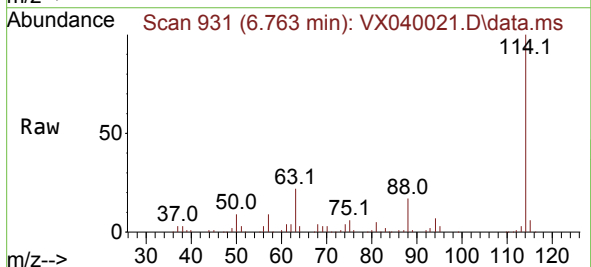
Tgt Ion: 114 Resp: 139476

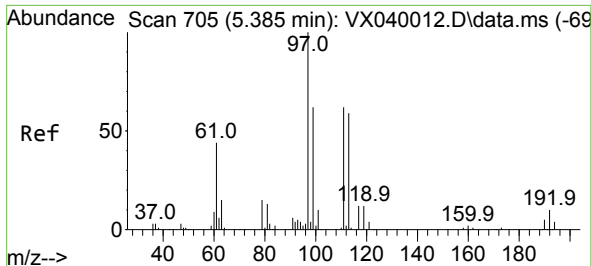
Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.0

88 16.6 0.0 36.6

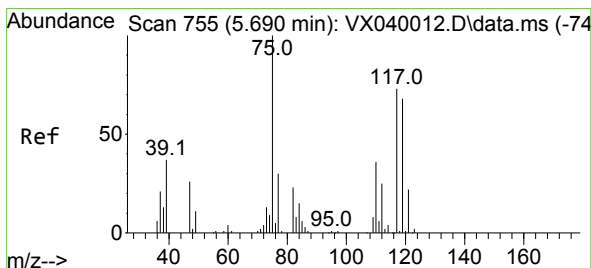
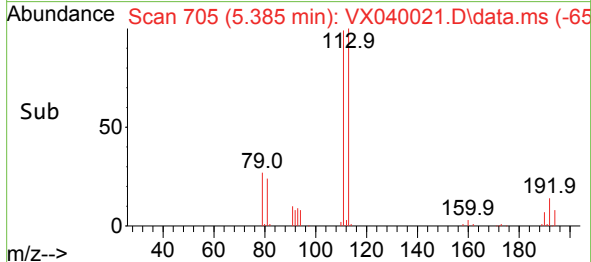
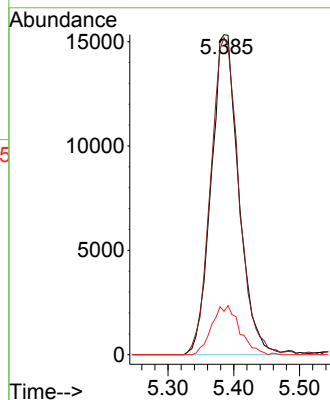
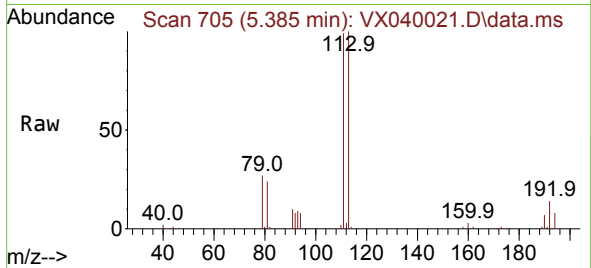




#35
Dibromofluoromethane
Concen: 46.977 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

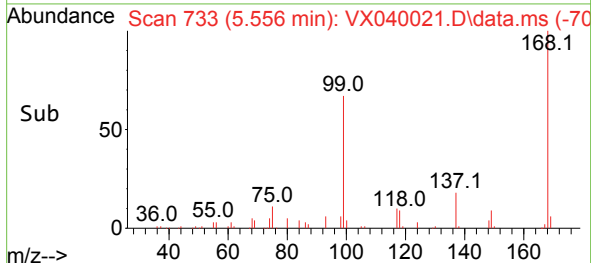
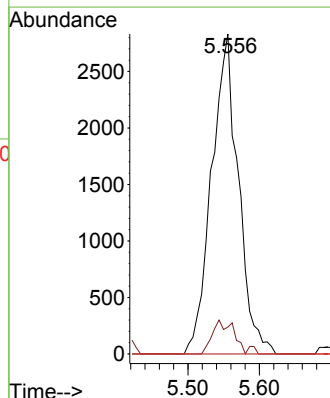
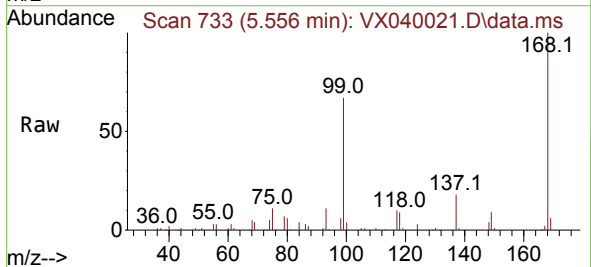
Instrument :
MSVOA_X
ClientSampleId :
IBLK

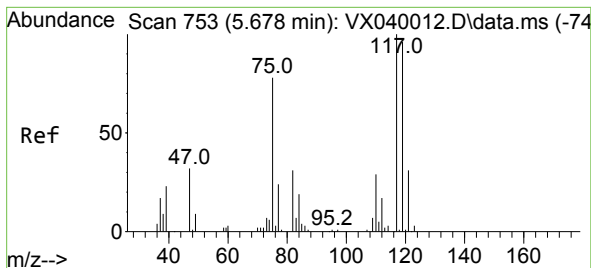
Tgt Ion:113 Resp: 44603
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

Tgt Ion: 75 Resp: 7365
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.633 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX040021.D

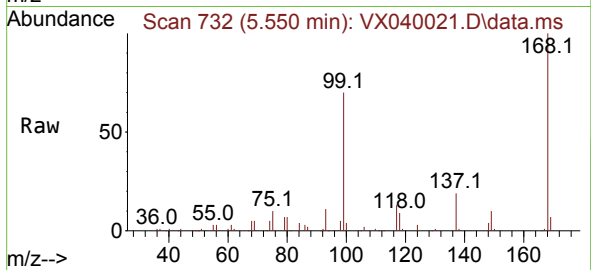
Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK



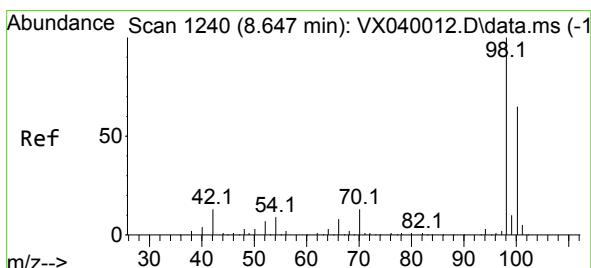
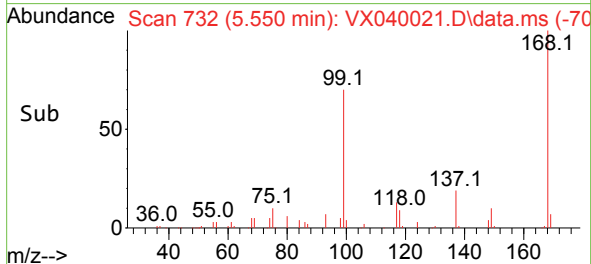
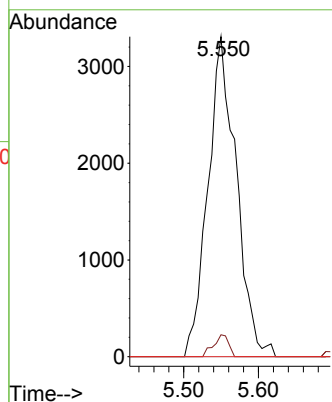
Tgt Ion:117 Resp: 8715

Ion Ratio Lower Upper

117 100

119 6.9 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 51.359 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040021.D

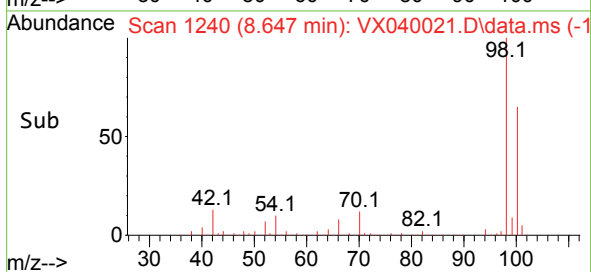
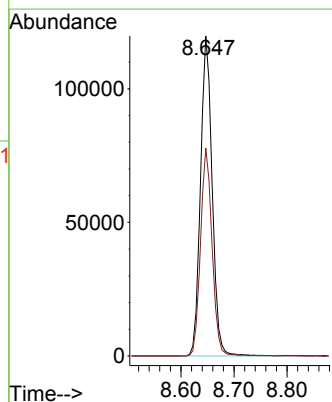
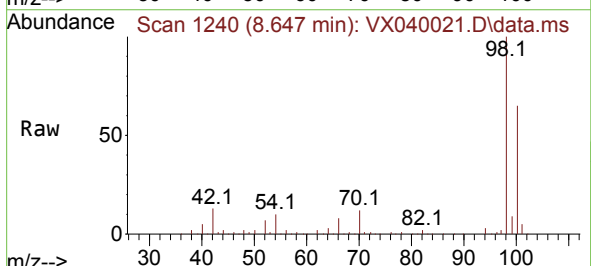
Acq: 30 Jan 2024 16:04

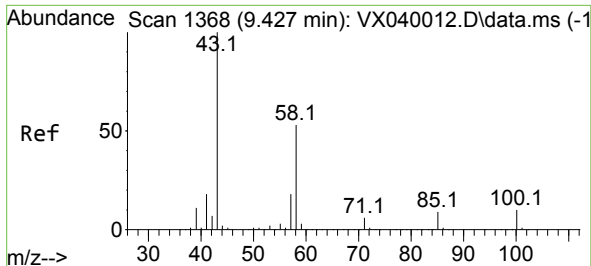
Tgt Ion: 98 Resp: 182361

Ion Ratio Lower Upper

98 100

100 64.5 53.1 79.7





#59

2-Hexanone

Concen: 0.225 ug/l

RT: 9.451 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

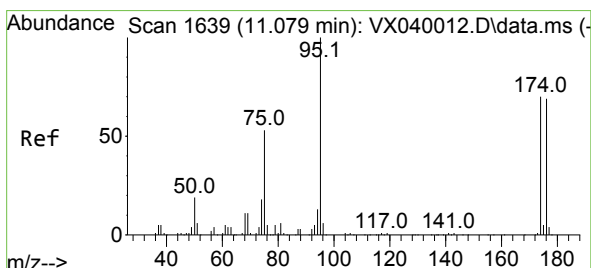
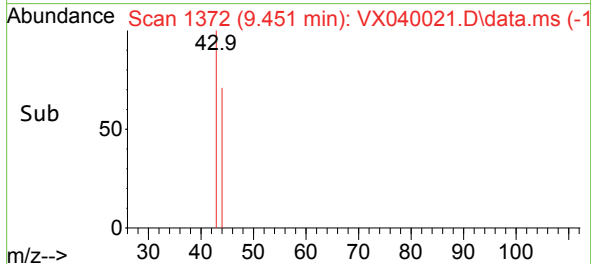
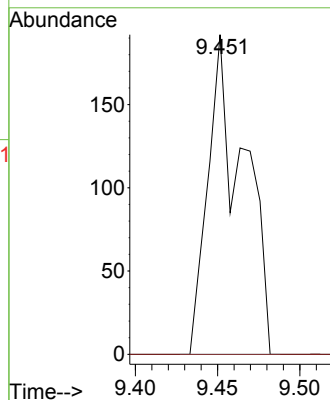
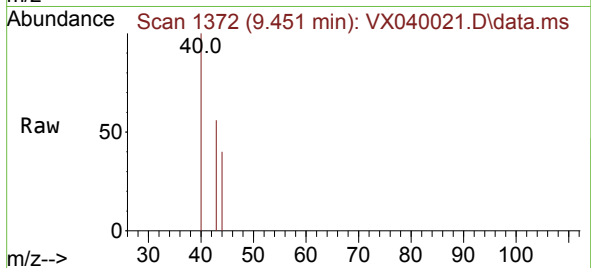
IBLK

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 47.977 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

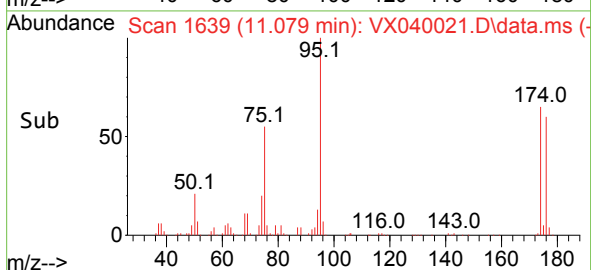
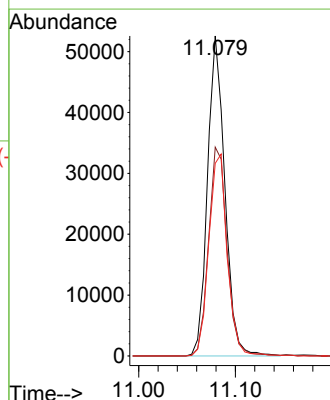
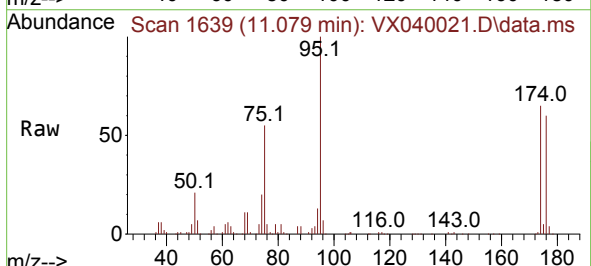
Tgt Ion: 95 Resp: 65595

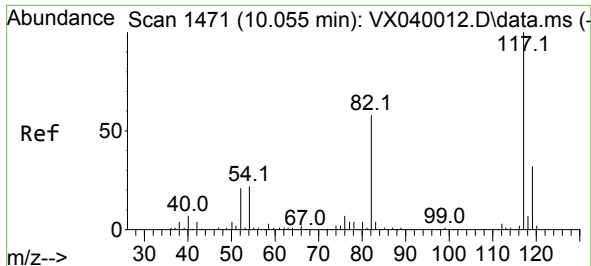
Ion Ratio Lower Upper

95 100

174 69.5 0.0 135.6

176 67.0 0.0 131.0

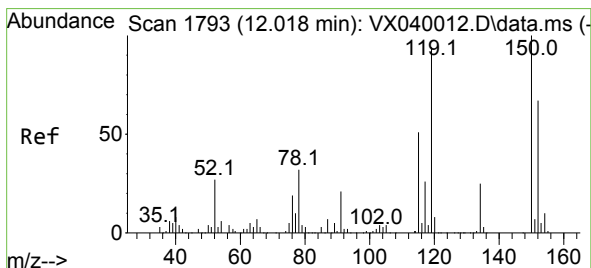
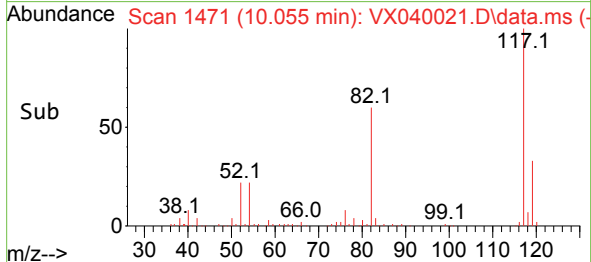
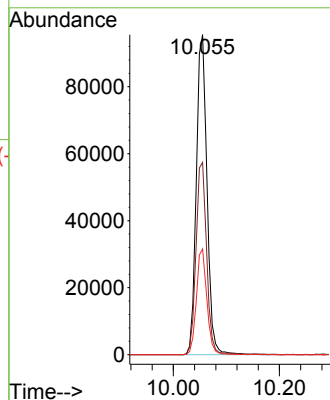
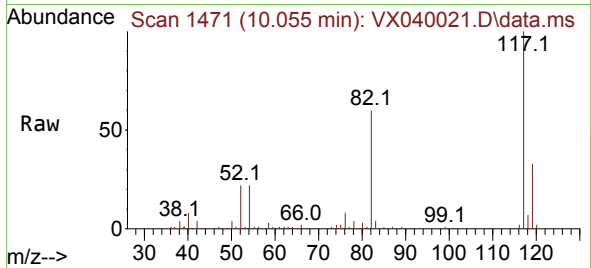




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

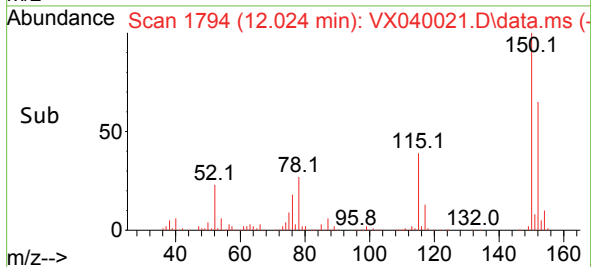
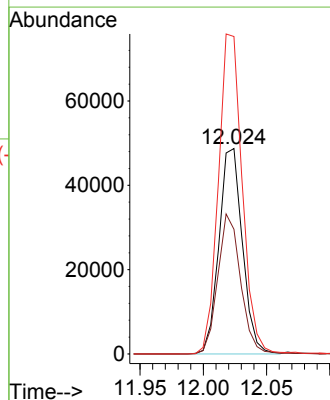
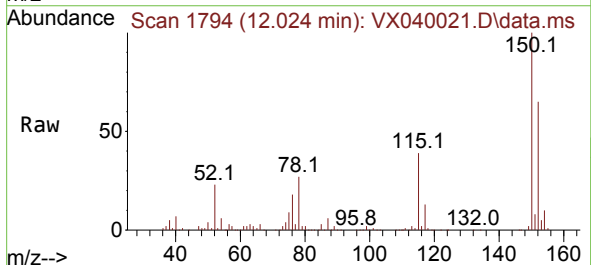
Instrument :
MSVOA_X
ClientSampleId :
IBLK

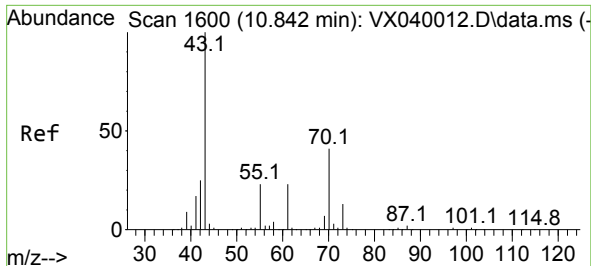
Tgt Ion:117 Resp: 133778
Ion Ratio Lower Upper
117 100
82 60.1 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

Tgt Ion:152 Resp: 62784
Ion Ratio Lower Upper
152 100
115 66.2 43.3 129.9
150 158.6 0.0 345.0

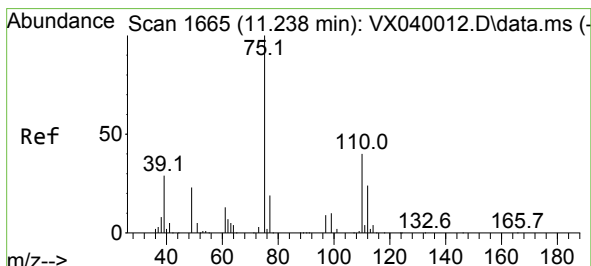
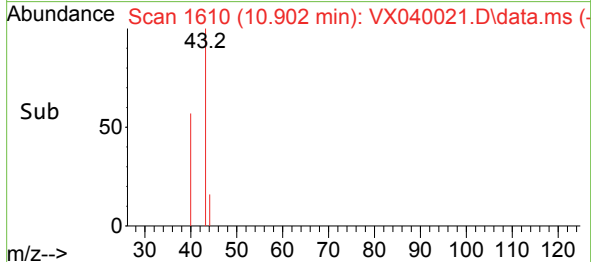
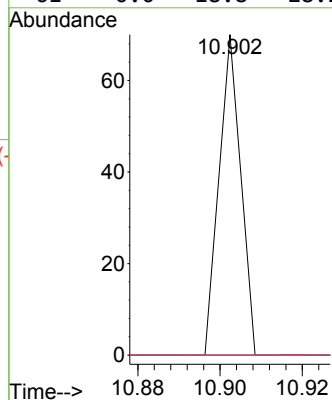
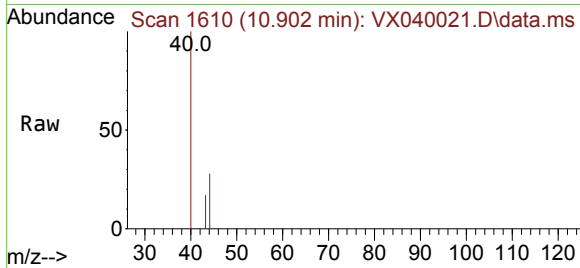




#74
N-amy1 acetate
Concen: 0.211 ug/l
RT: 10.902 min Scan# 1610
Delta R.T. 0.060 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

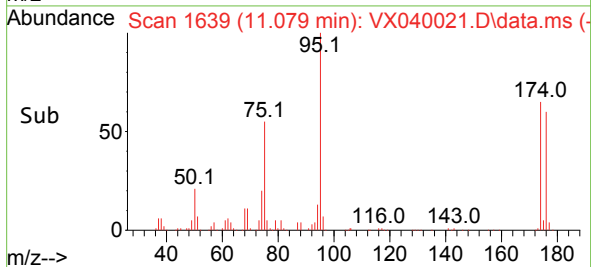
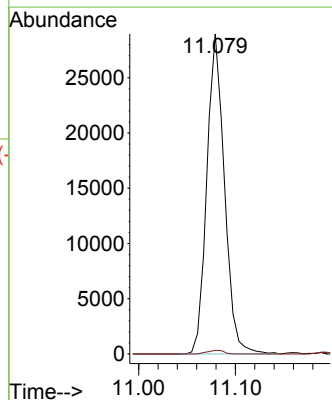
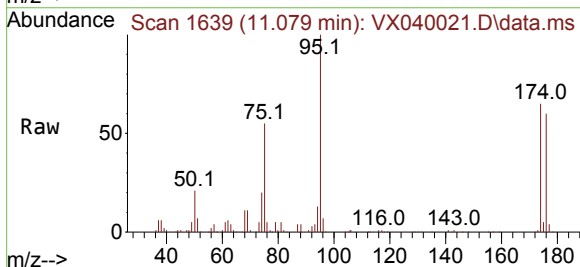
Instrument :
MSVOA_X
ClientSampleId :
IBLK

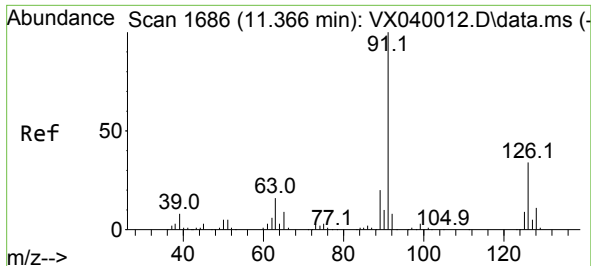
Tgt Ion: 43	Resp:	26	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	0.0	19.3	28.9#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 27.466 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

Tgt Ion: 75	Resp:	36722	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	19.1	57.5#	

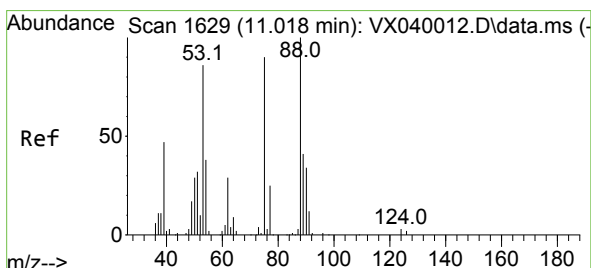
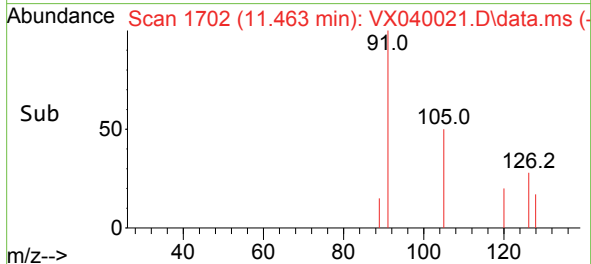
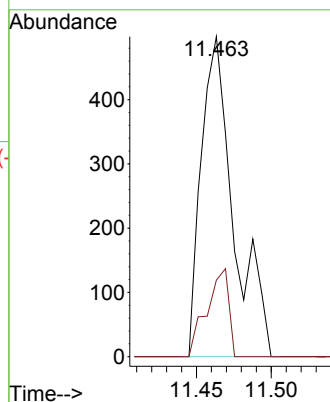
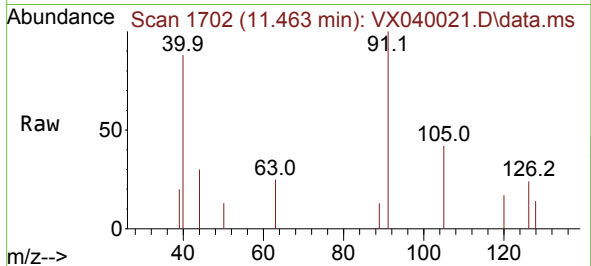




#79
2-Chlorotoluene
Concen: 0.225 ug/l
RT: 11.463 min Scan# 11
Delta R.T. 0.097 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

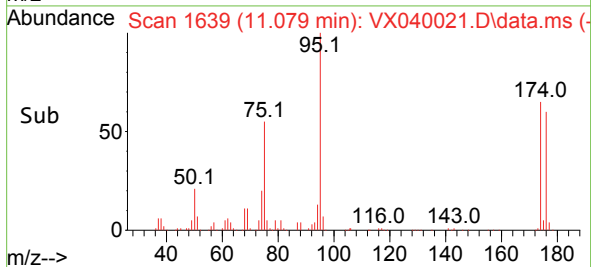
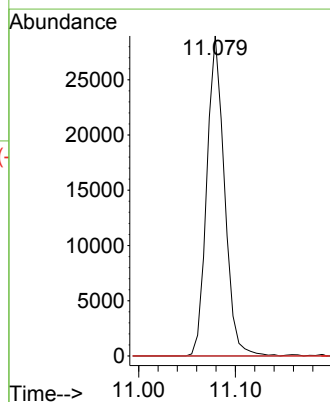
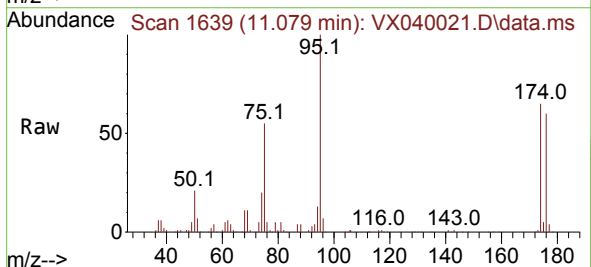
Instrument :
MSVOA_X
ClientSampleId :
IBLK

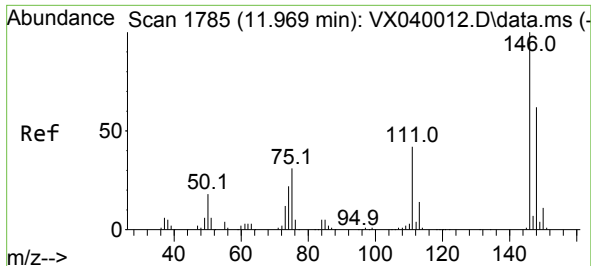
Tgt Ion: 91 Resp: 750
Ion Ratio Lower Upper
91 100
126 18.5 16.3 48.8



#81
trans-1,4-Dichloro-2-butene
Concen: 79.957 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

Tgt Ion: 75 Resp: 36722
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.222 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

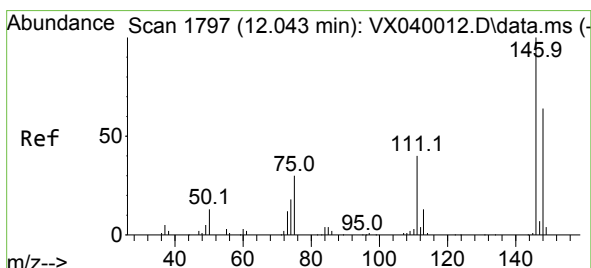
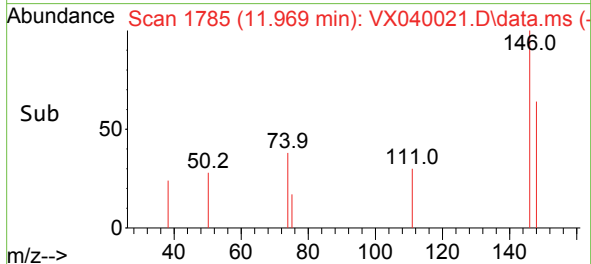
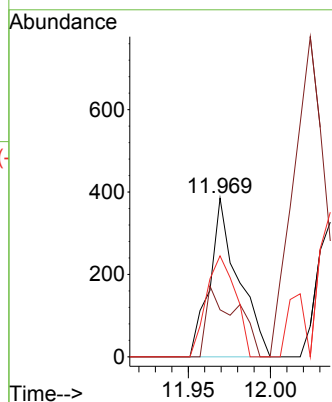
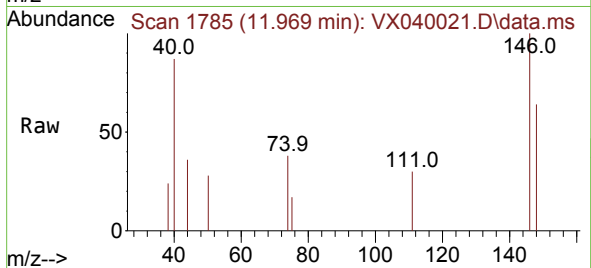
Tgt Ion:146 Resp: 465

Ion Ratio Lower Upper

146 100

111 46.9 22.1 66.1

148 65.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.217 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

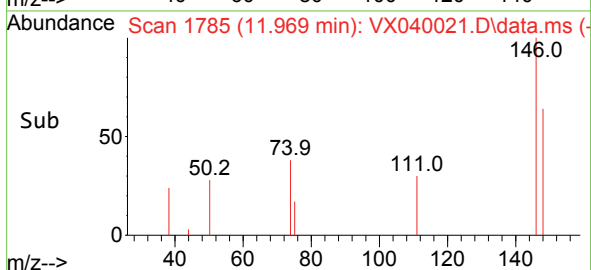
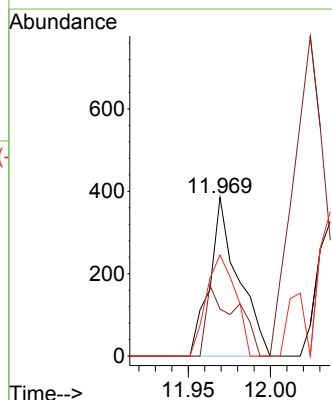
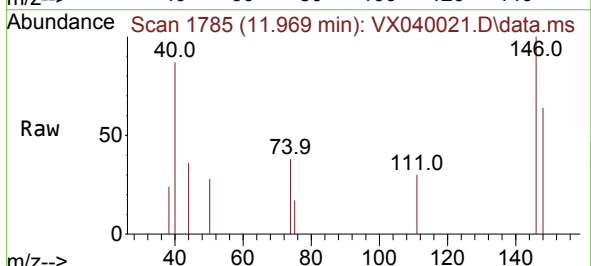
Tgt Ion:146 Resp: 465

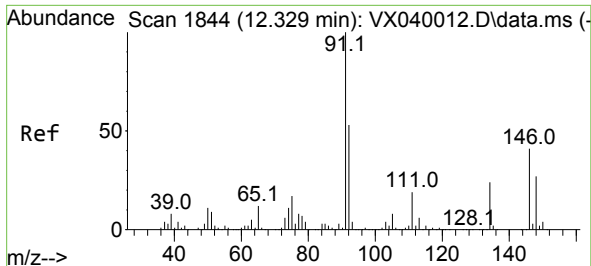
Ion Ratio Lower Upper

146 100

111 46.9 21.3 63.7

148 65.2 31.8 95.4

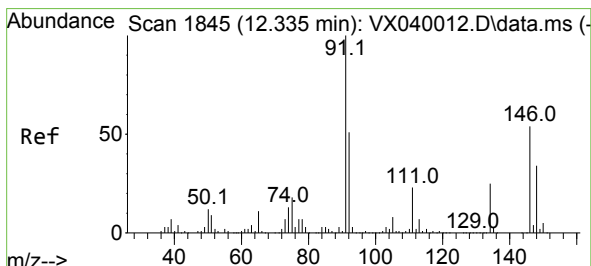
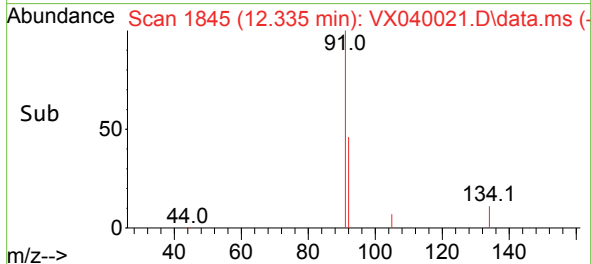
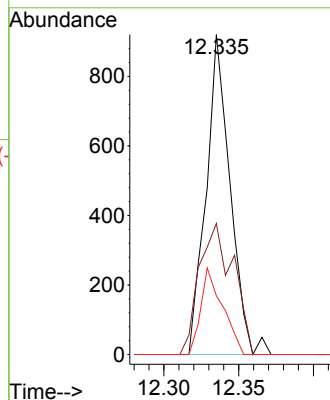
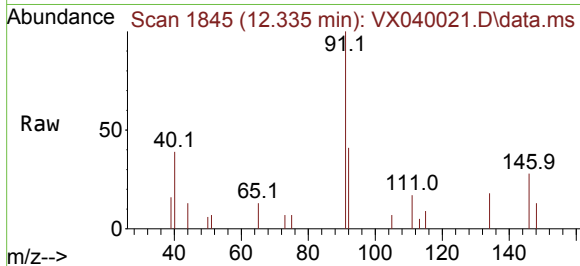




#89
n-Butylbenzene
Concen: 0.264 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

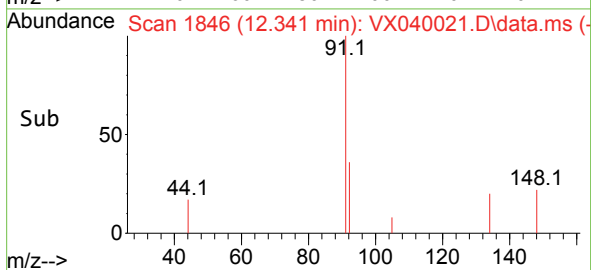
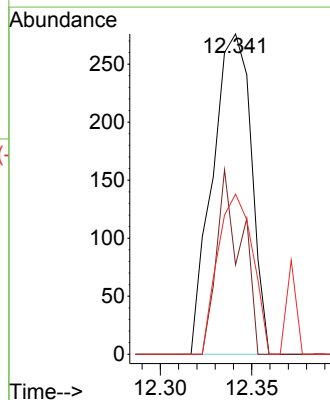
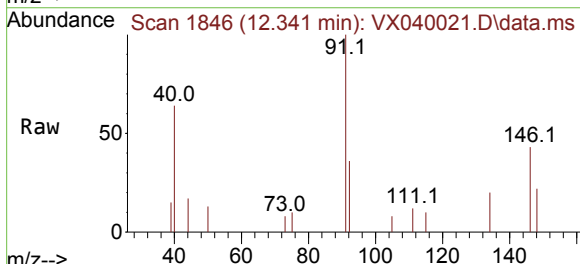
Instrument :
MSVOA_X
ClientSampleId :
IBLK

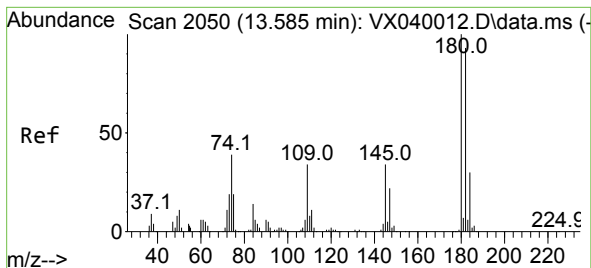
Tgt Ion: 91 Resp: 1028
Ion Ratio Lower Upper
91 100
92 58.2 27.4 82.0
134 24.6 12.6 37.8



#91
1,2-Dichlorobenzene
Concen: 0.201 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX040021.D
Acq: 30 Jan 2024 16:04

Tgt Ion:146 Resp: 407
Ion Ratio Lower Upper
146 100
111 37.1 22.4 67.0
148 45.2 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.418 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

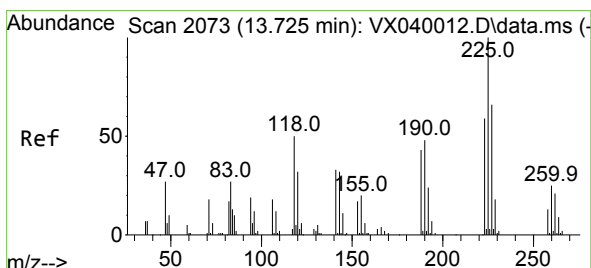
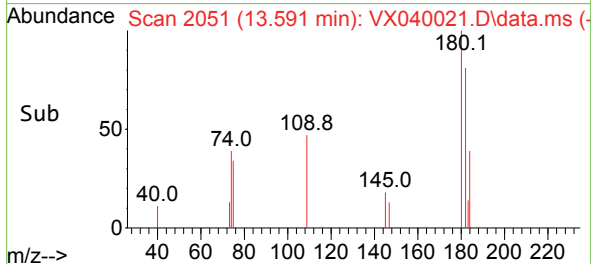
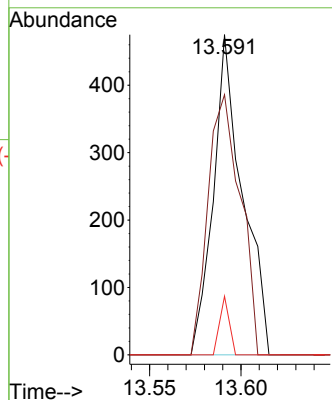
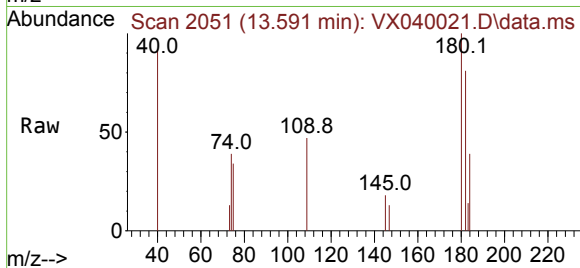
Tgt Ion:180 Resp: 528

Ion Ratio Lower Upper

180 100

182 90.2 48.3 144.8

145 6.1 18.0 54.0#



#94

Hexachlorobutadiene

Concen: 0.514 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

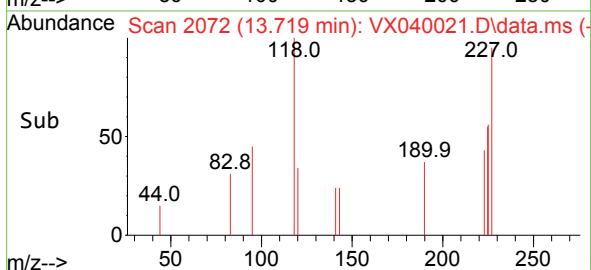
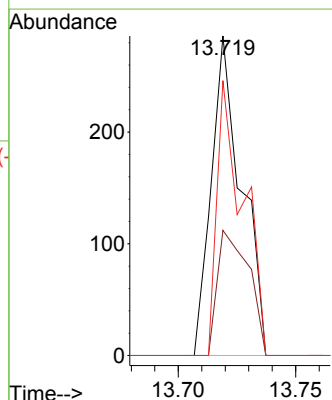
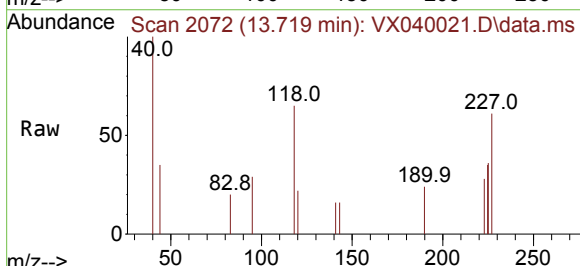
Tgt Ion:225 Resp: 256

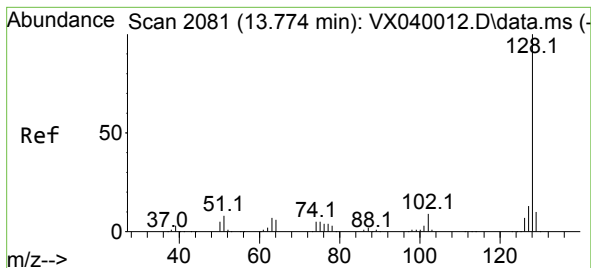
Ion Ratio Lower Upper

225 100

223 40.6 31.1 93.2

227 74.6 32.5 97.5





#95

Naphthalene

Concen: 0.472 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

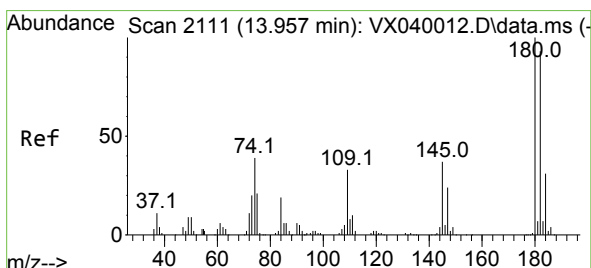
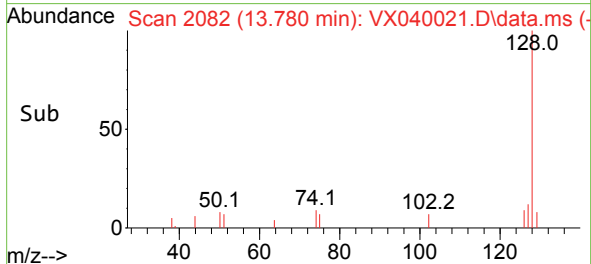
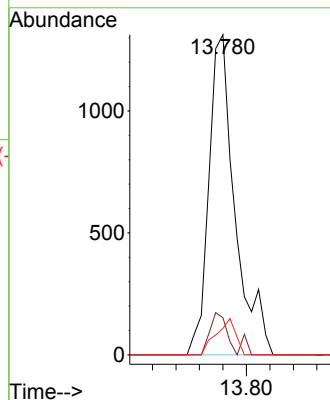
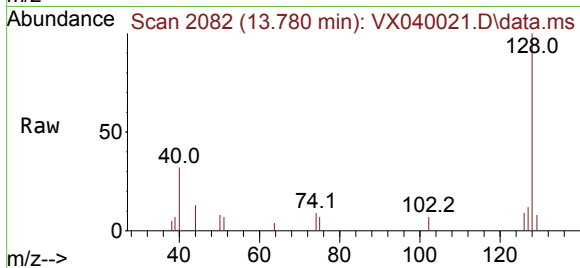
Tgt Ion:128 Resp: 2029

Ion Ratio Lower Upper

128 100

127 8.3 10.3 15.5#

129 8.5 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.314 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX040021.D

Acq: 30 Jan 2024 16:04

Tgt Ion:180 Resp: 393

Ion Ratio Lower Upper

180 100

182 111.7 46.9 140.6

145 22.6 17.8 53.5

