

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040124\
 Data File : VX040841.D
 Acq On : 01 Apr 2024 12:29
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 02 05:22:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:19:09 2024
 Response via : Initial Calibration

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

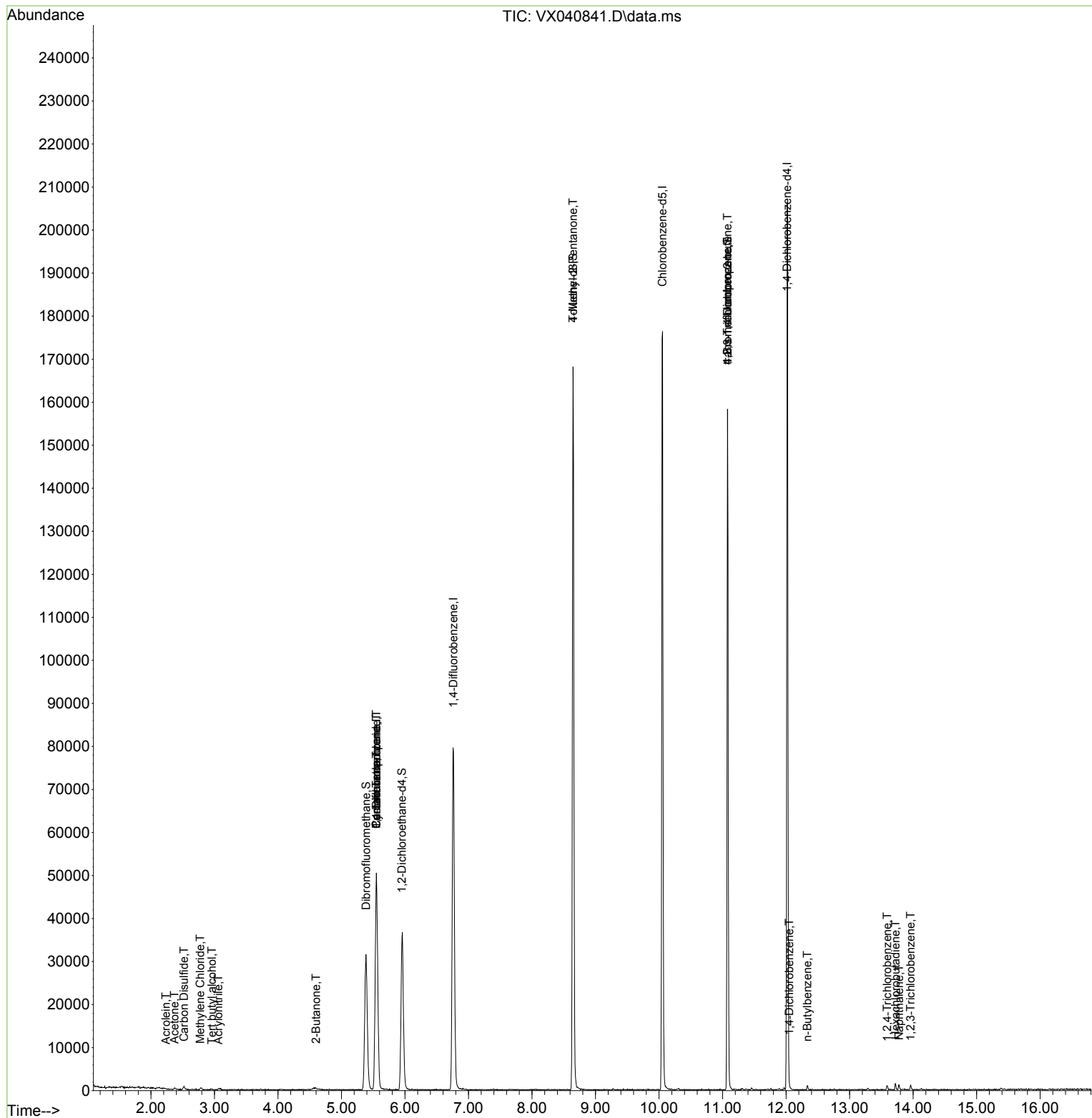
Internal Standards						
1) Pentafluorobenzene	5.550	168	43331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	76351	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	38795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	36695	47.197	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.400%
35) Dibromofluoromethane	5.385	113	26330	48.688	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.380%
50) Toluene-d8	8.647	98	95879	49.064	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.120%
62) 4-Bromofluorobenzene	11.079	95	39047	50.036	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	134	0.944	ug/l #	78
13) Acrolein	2.233	56	24	0.310	ug/l #	14
15) Acrylonitrile	3.062	53	191	0.638	ug/l #	81
16) Acetone	2.367	43	446	1.477	ug/l #	47
17) Carbon Disulfide	2.520	76	755	0.538	ug/l #	76
20) Methylene Chloride	2.776	84	236	0.422	ug/l #	40
25) 2-Butanone	4.599	43	91	0.203	ug/l #	51
31) Cyclohexane	5.550	56	1101	1.335	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	4005	5.212	ug/l #	49
38) Carbon Tetrachloride	5.550	117	4890	5.748	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	624	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	23522	28.433	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23522	76.714	ug/l #	5
88) 1,4-Dichlorobenzene	12.049	146	359	0.263	ug/l #	48
89) n-Butylbenzene	12.335	91	535	0.221	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	387	0.443	ug/l #	89
94) Hexachlorobutadiene	13.725	225	301	0.900	ug/l	91
95) Naphthalene	13.780	128	1137	0.405	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	414	0.497	ug/l	89

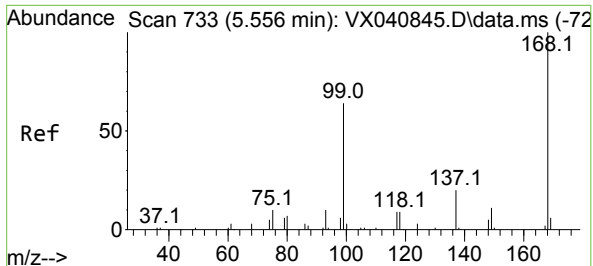
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040124\
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MSVOA_X
ClientSampleId :
IBLK

Quant Time: Apr 02 05:22:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:19:09 2024
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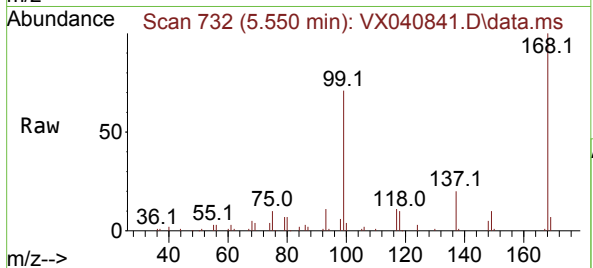
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Instrument :

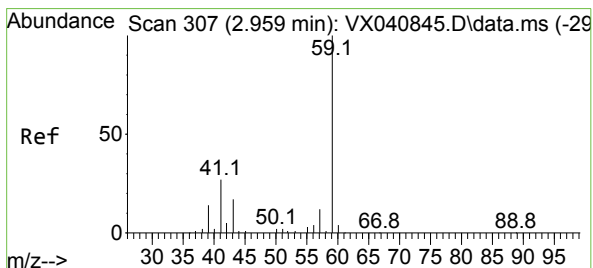
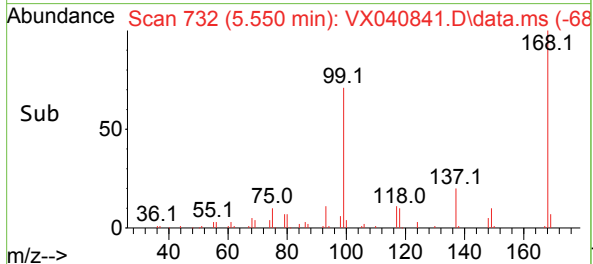
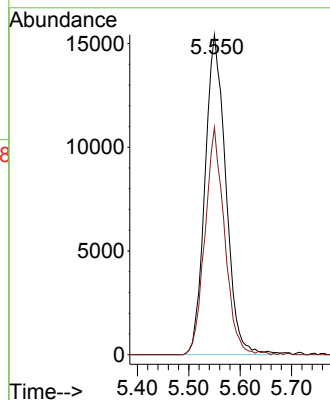
MSVOA_X

ClientSampleId :

IBLK

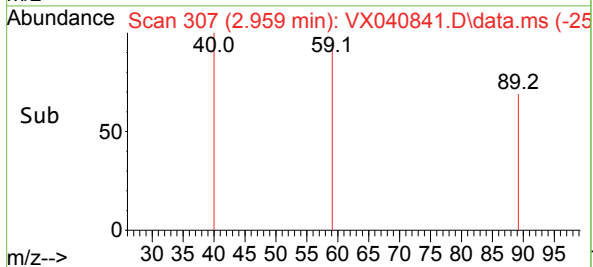
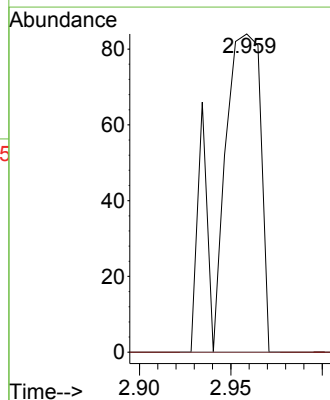
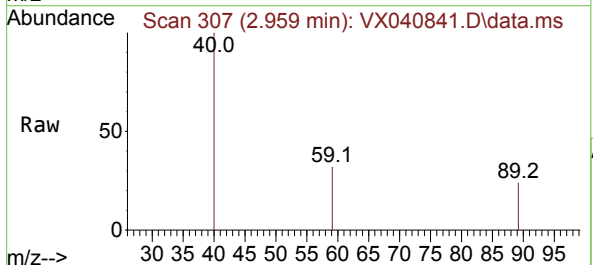


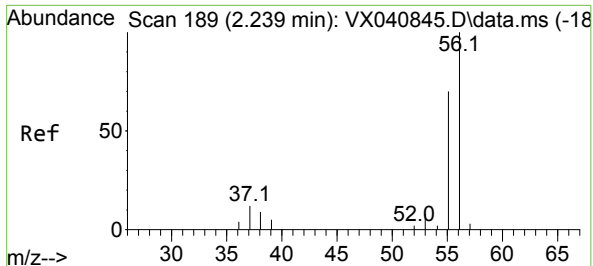
Tgt Ion:168 Resp: 43331
Ion Ratio Lower Upper
168 100
99 71.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.944 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.310 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

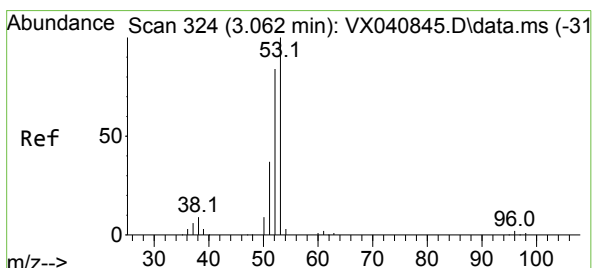
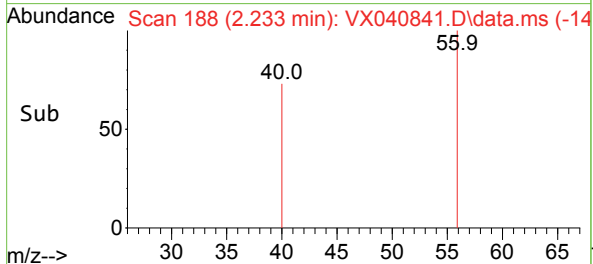
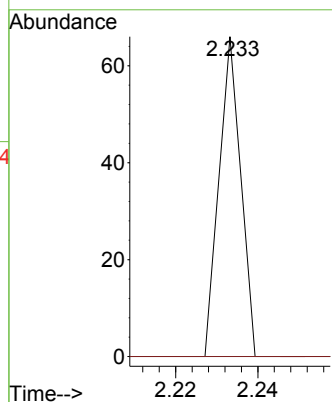
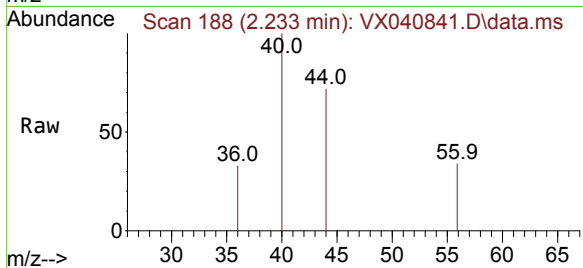
IBLK

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.638 ug/l

RT: 3.062 min Scan# 324

Delta R.T. 0.000 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

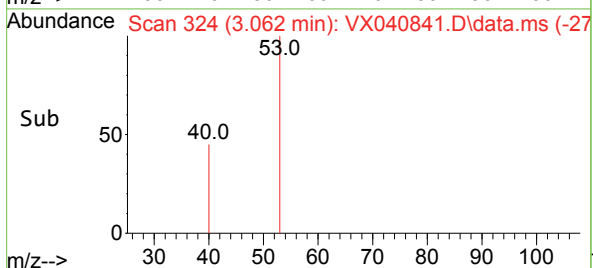
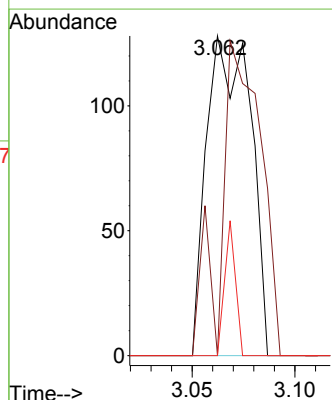
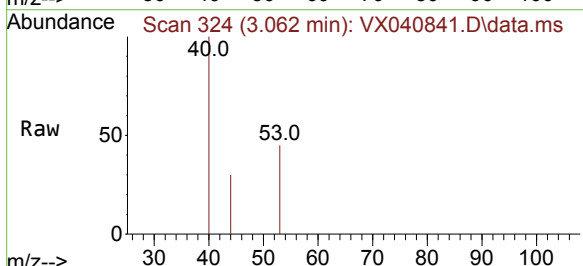
Tgt Ion: 53 Resp: 191

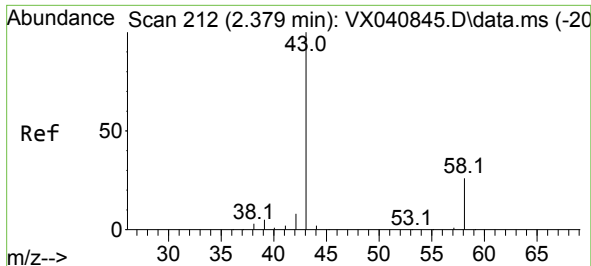
Ion Ratio Lower Upper

53 100

52 89.5 66.0 99.0

51 10.5 29.8 44.6#





#16

Acetone

Concen: 1.477 ug/l

RT: 2.367 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

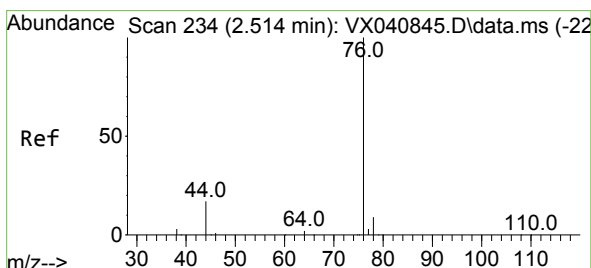
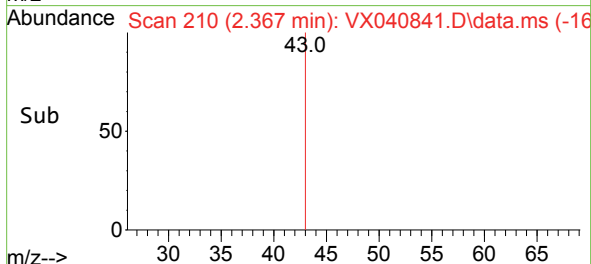
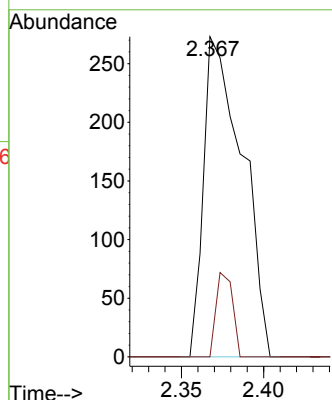
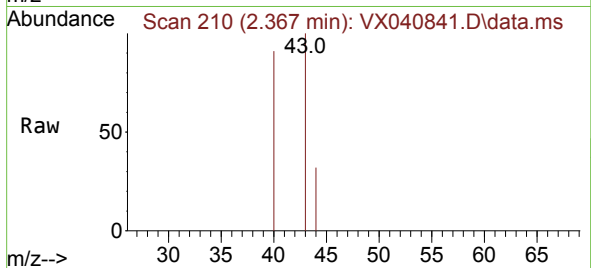
IBLK

Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#17

Carbon Disulfide

Concen: 0.538 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.006 min

Lab File: VX040841.D

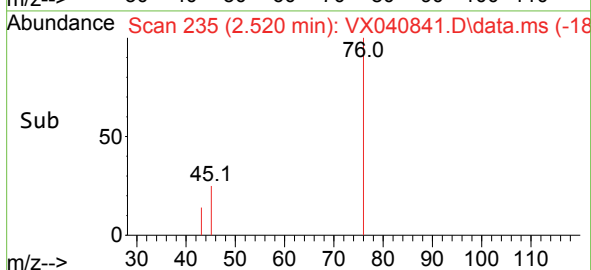
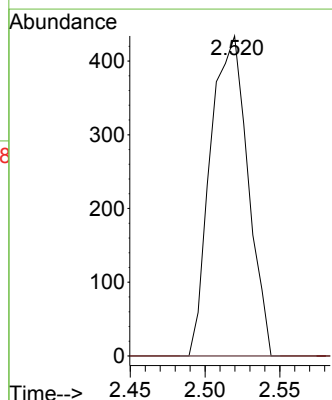
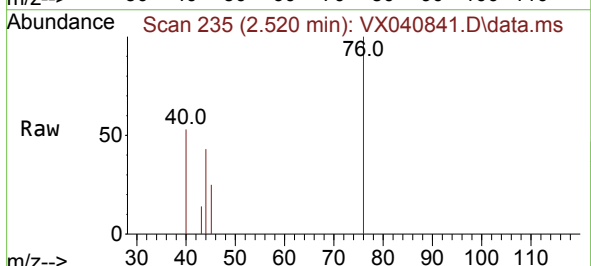
Acq: 01 Apr 2024 12:29

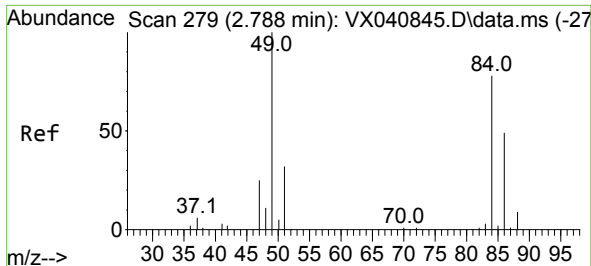
Tgt Ion: 76 Resp: 755

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: 0.422 ug/l

RT: 2.776 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 236

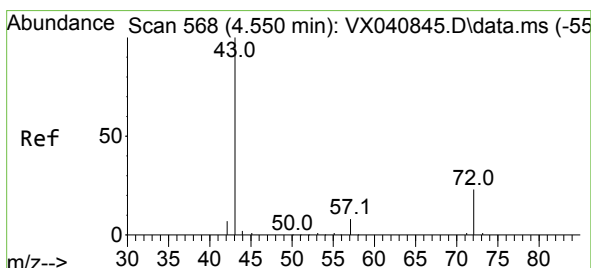
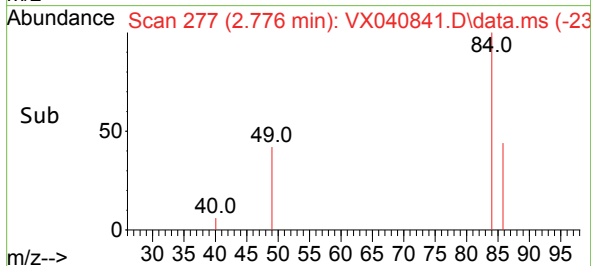
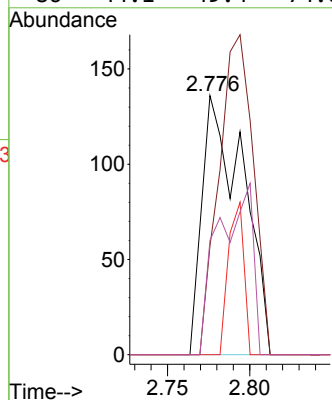
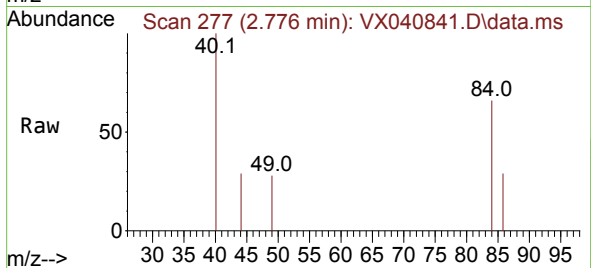
Ion Ratio Lower Upper

84 100

49 41.9 103.6 155.4#

51 0.0 33.8 50.6#

86 44.1 49.4 74.0#



#25

2-Butanone

Concen: 0.203 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.049 min

Lab File: VX040841.D

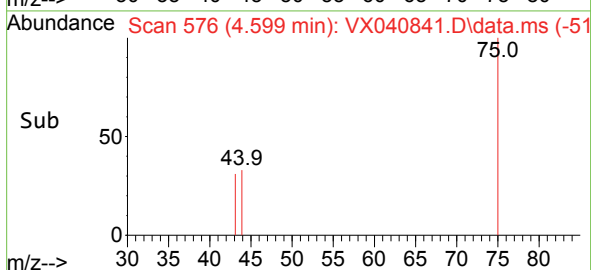
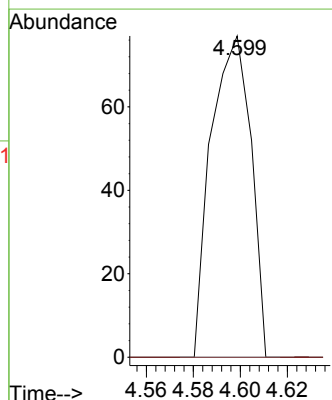
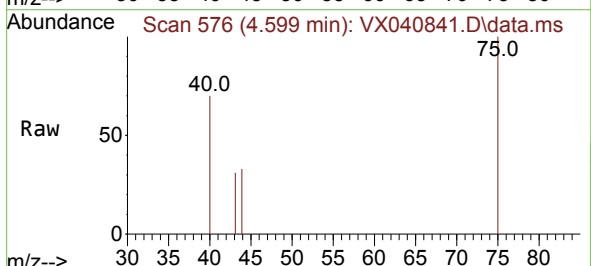
Acq: 01 Apr 2024 12:29

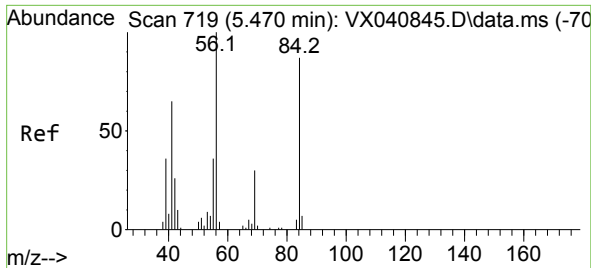
Tgt Ion: 43 Resp: 91

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

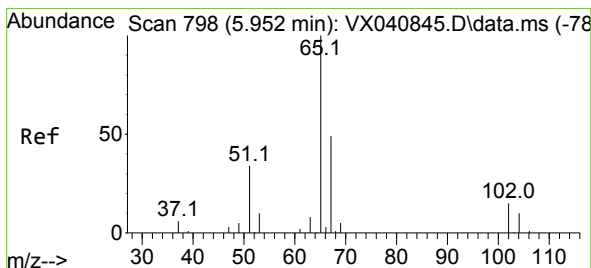
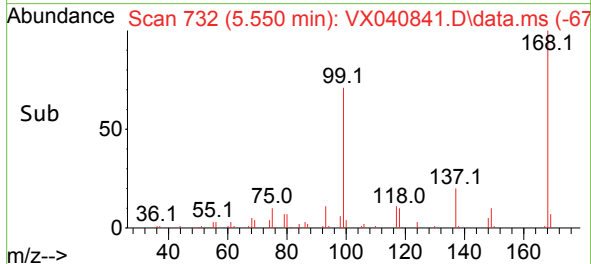
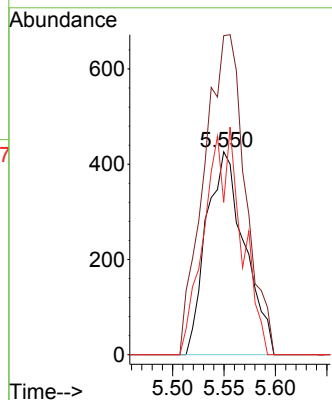
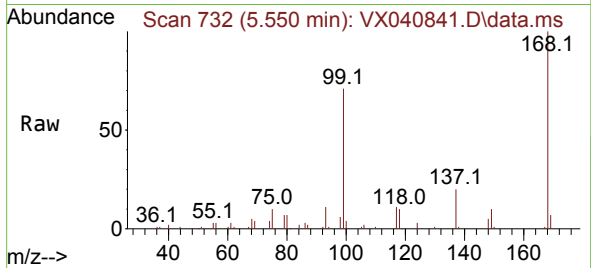




#31
Cyclohexane
Concen: 1.335 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

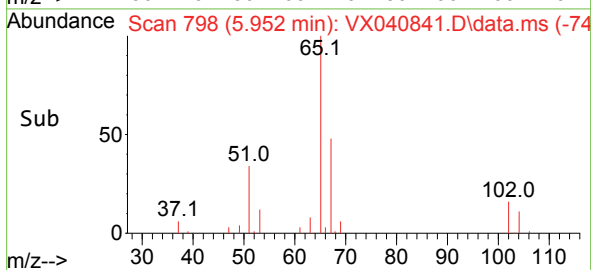
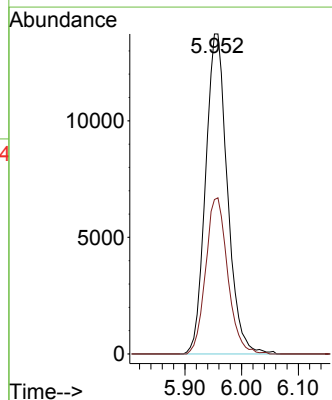
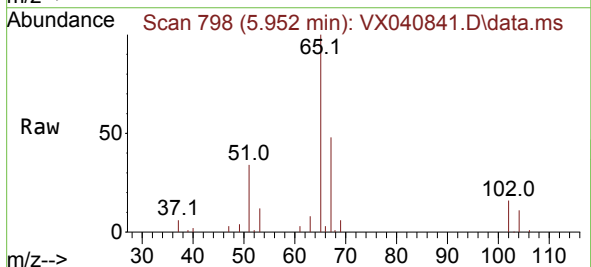
Instrument :
MSVOA_X
ClientSampleId :
IBLK

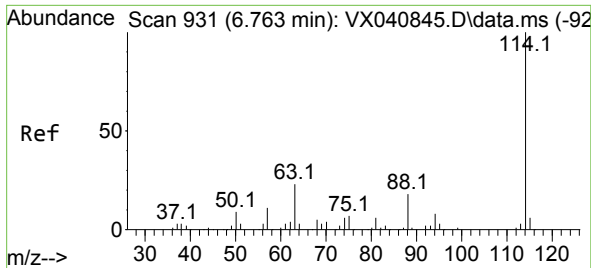
Tgt Ion: 56 Resp: 1101
Ion Ratio Lower Upper
56 100
69 157.3 23.4 35.2#
84 75.1 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 47.197 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Tgt Ion: 65 Resp: 36695
Ion Ratio Lower Upper
65 100
67 49.2 0.0 100.2

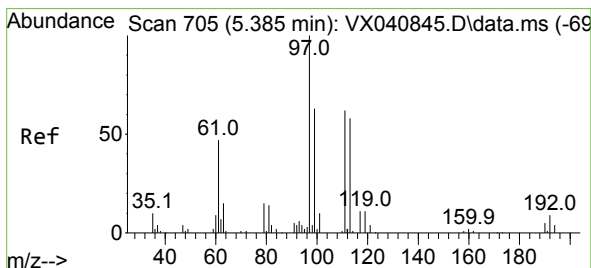
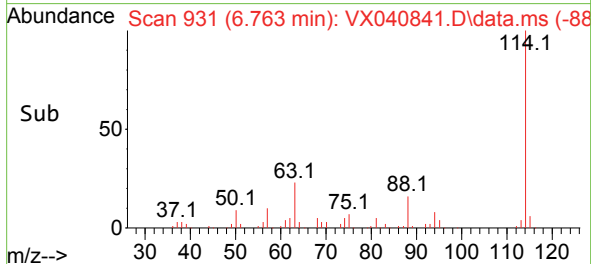
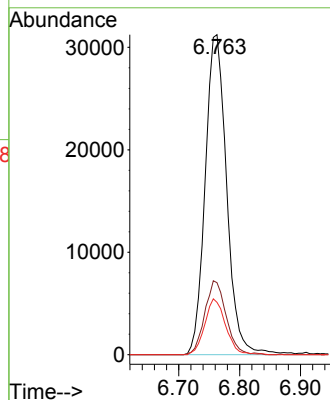
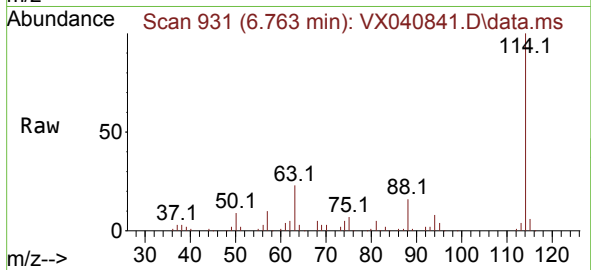




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

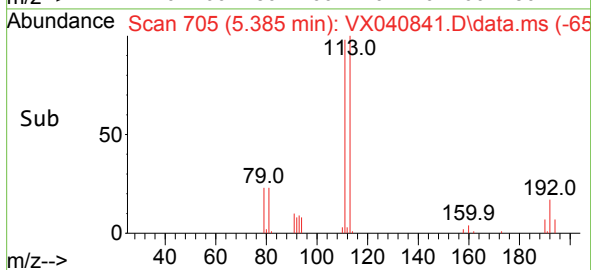
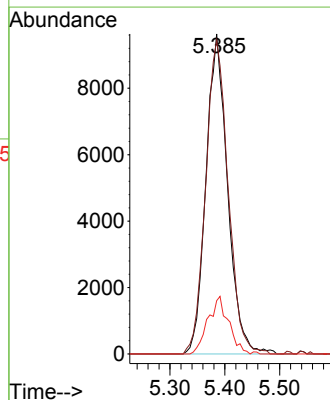
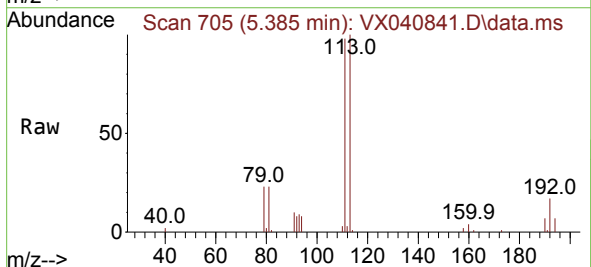
Instrument :
MSVOA_X
ClientSampleId :
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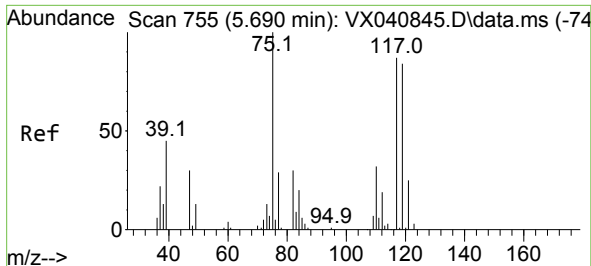
Tgt Ion:114 Resp: 76351
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.688 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Tgt Ion:113 Resp: 26330
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 17.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.212 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

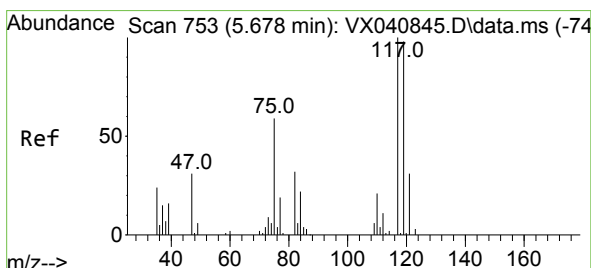
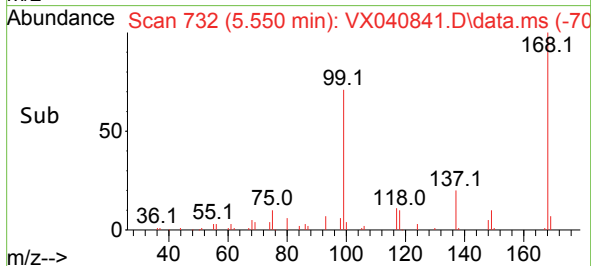
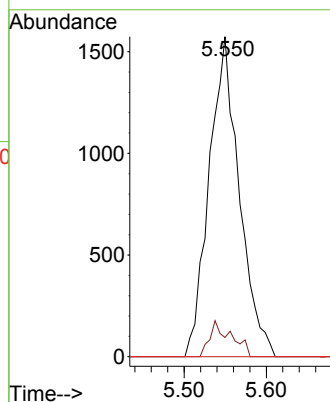
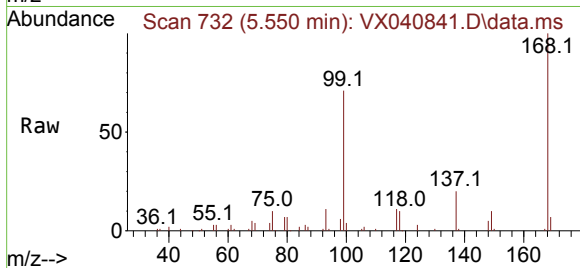
Tgt Ion: 75 Resp: 4005

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.748 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

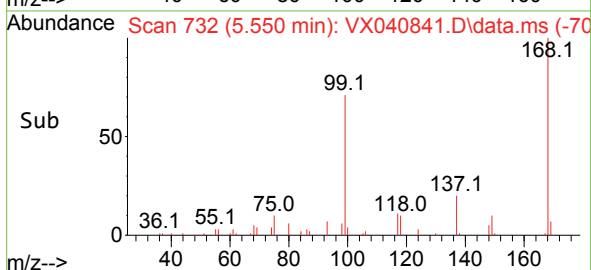
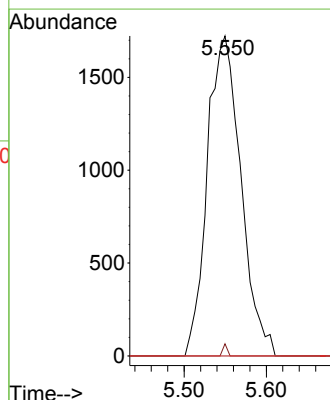
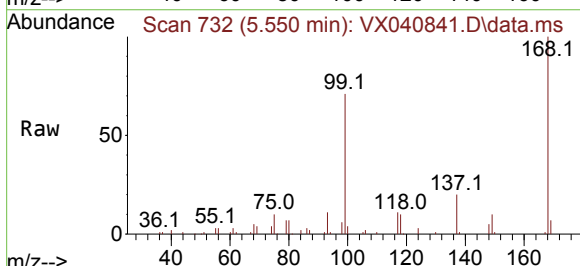
Tgt Ion:117 Resp: 4890

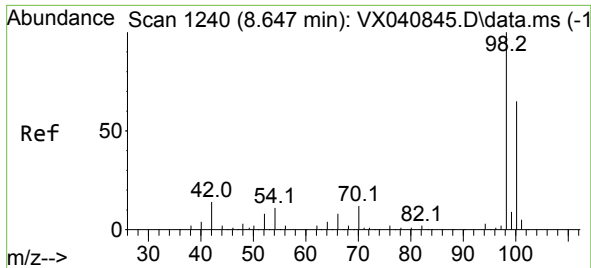
Ion Ratio Lower Upper

117 100

119 3.8 78.2 117.2#

121 0.0 24.4 36.6#

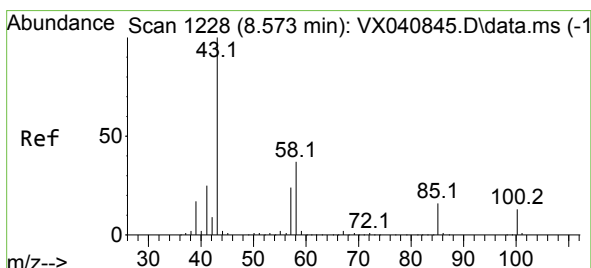
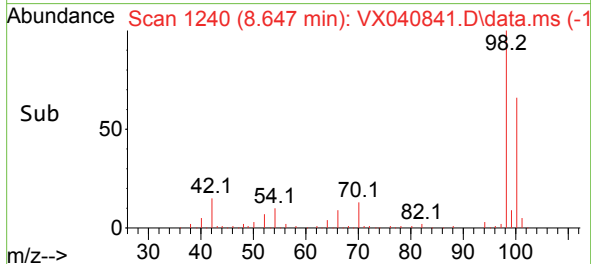
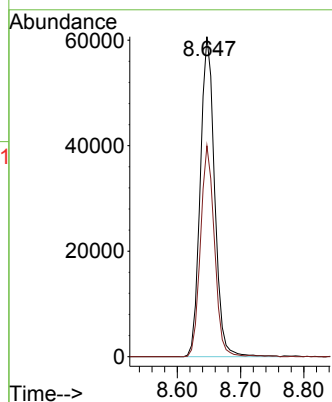
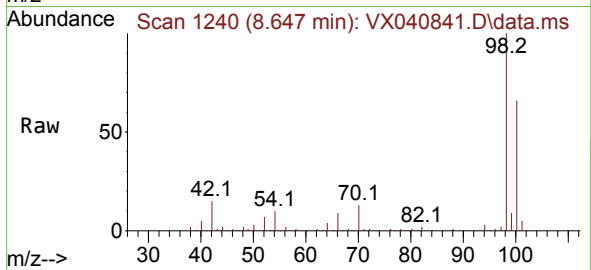




#50
Toluene-d8
Concen: 49.064 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

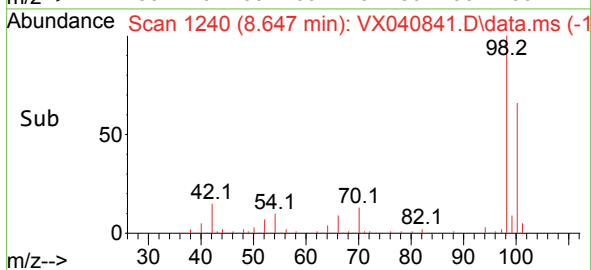
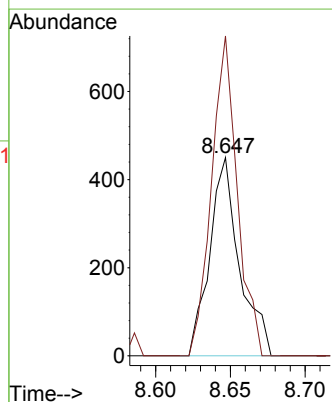
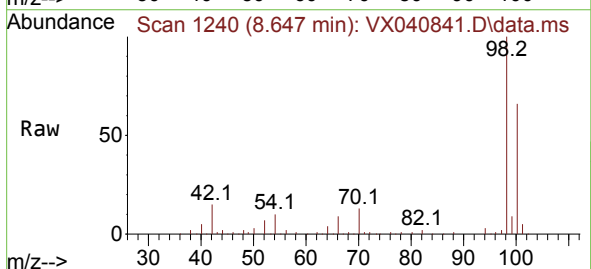
Instrument :
MSVOA_X
ClientSampleId :
IBLK

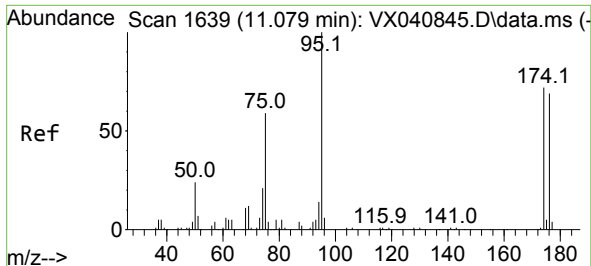
Tgt Ion: 98 Resp: 95879
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.646 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 139.6 30.4 45.6#

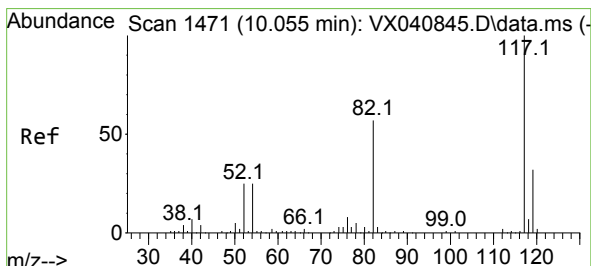
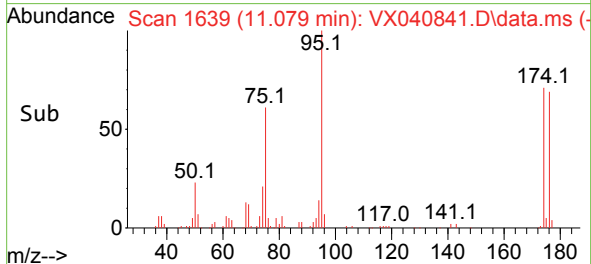
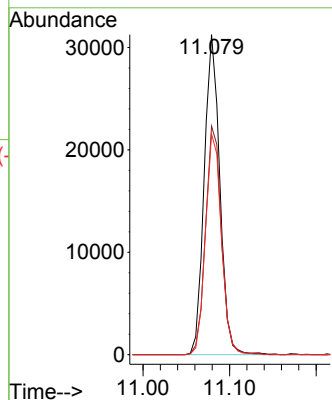
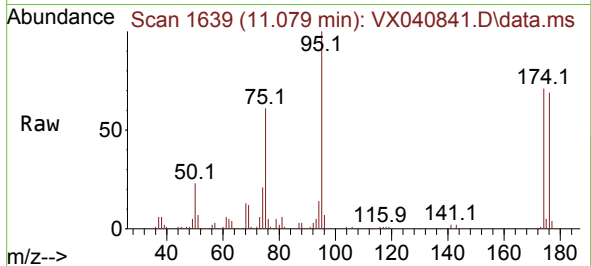




#62
4-Bromofluorobenzene
Concen: 50.036 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

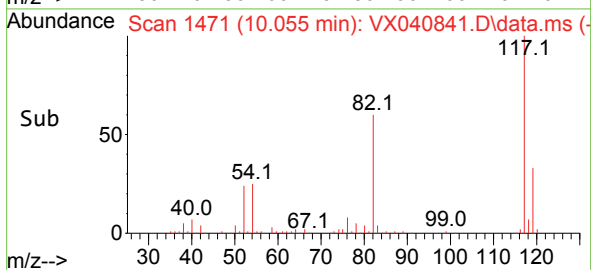
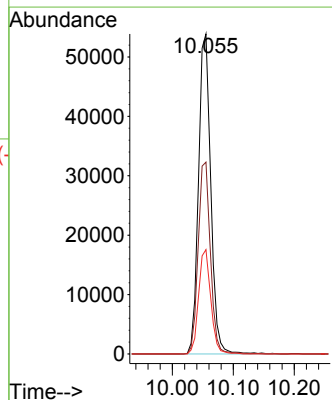
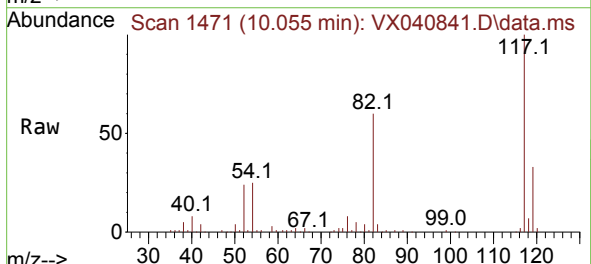
Instrument :
MSVOA_X
ClientSampleId :
IBLK

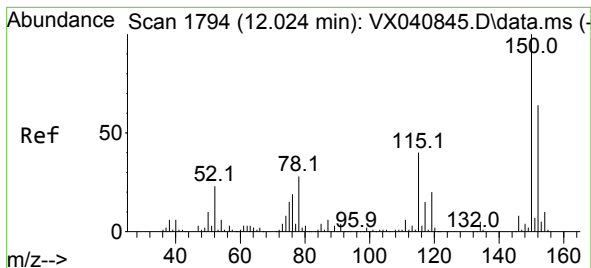
Tgt Ion: 95 Resp: 39047
Ion Ratio Lower Upper
95 100
174 73.2 0.0 135.6
176 70.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Tgt Ion: 117 Resp: 75134
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.4
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

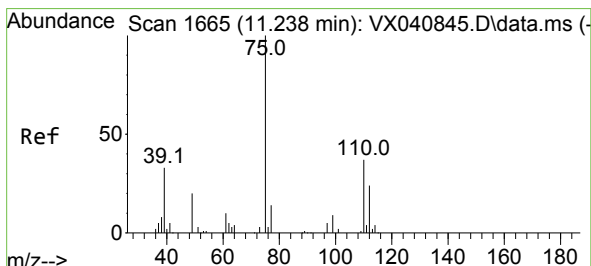
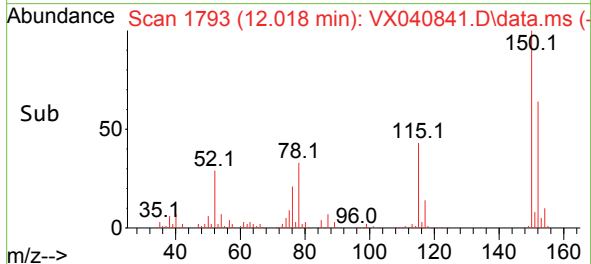
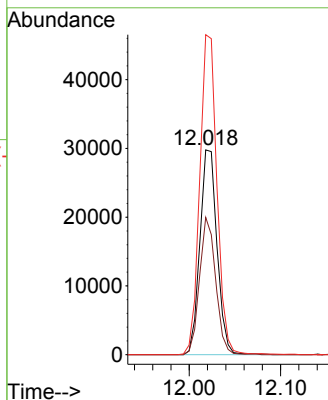
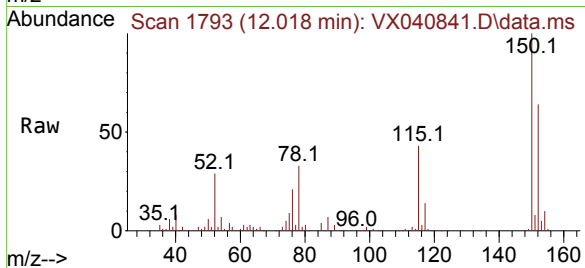
Tgt Ion:152 Resp: 38795

Ion Ratio Lower Upper

152 100

115 63.2 43.3 129.9

150 156.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.433 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040841.D

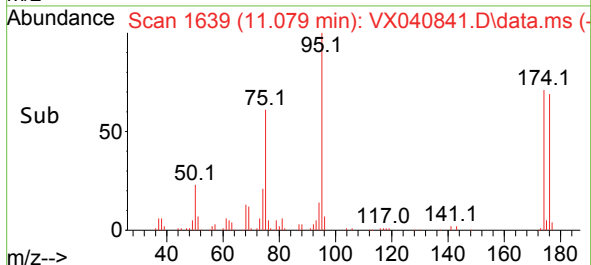
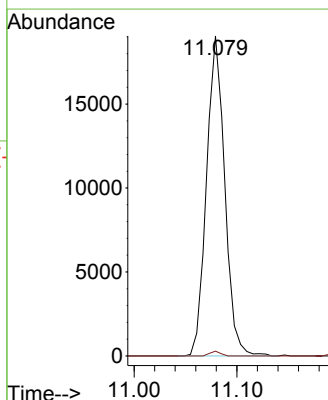
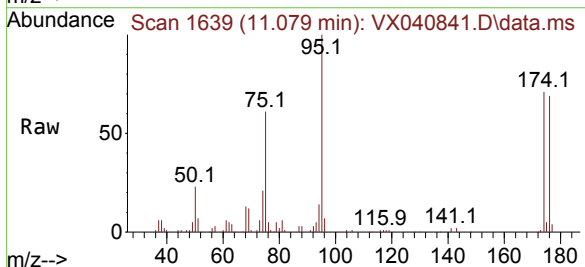
Acq: 01 Apr 2024 12:29

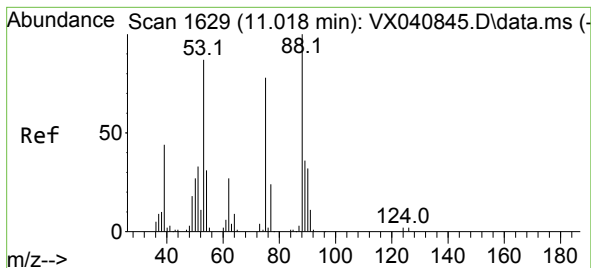
Tgt Ion: 75 Resp: 23522

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

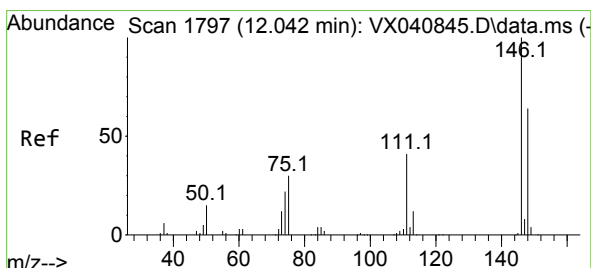
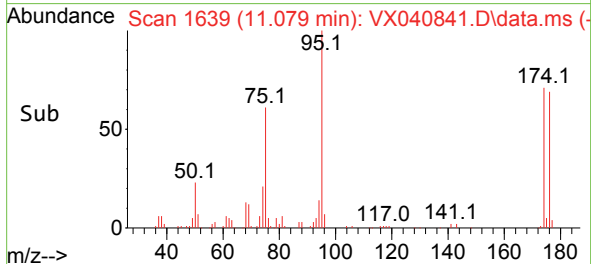
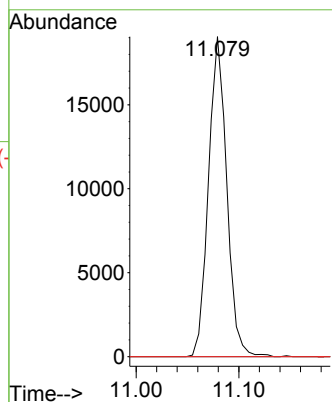
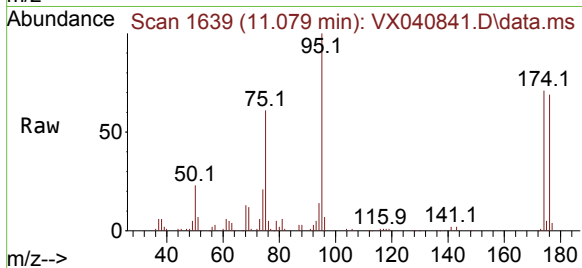




#81
trans-1,4-Dichloro-2-butene
Concen: 76.714 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

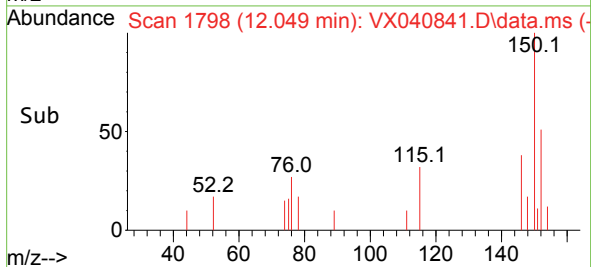
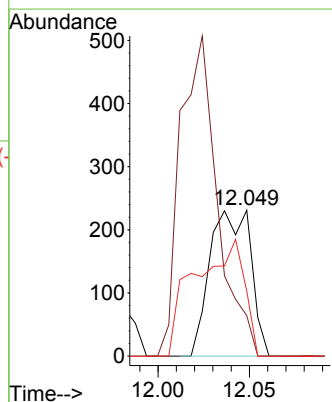
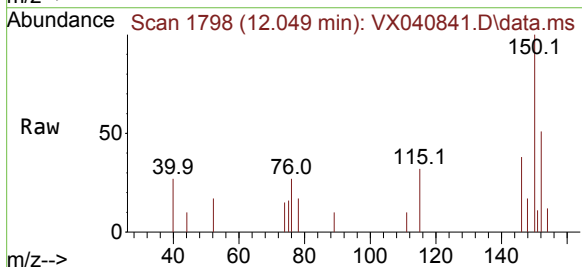
Instrument :
MSVOA_X
ClientSampleId :
IBLK

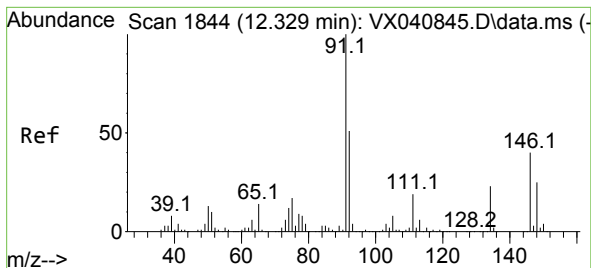
Tgt Ion: 75 Resp: 23522
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.263 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Tgt Ion: 146 Resp: 359
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 96.9 31.8 95.4#





#89

n-Butylbenzene

Concen: 0.221 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

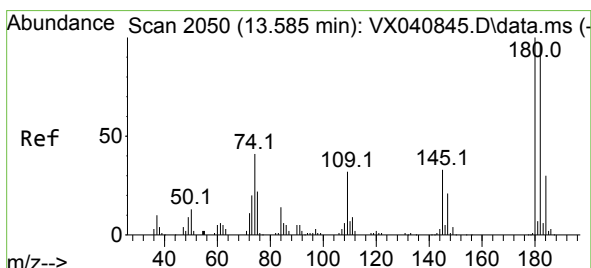
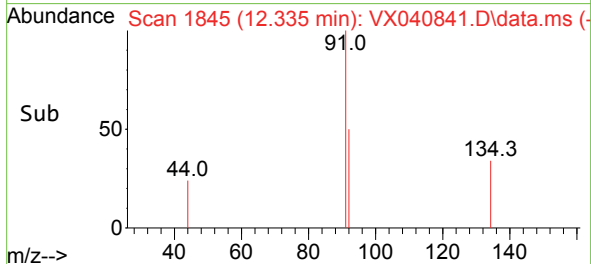
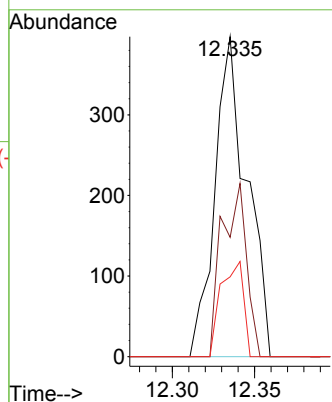
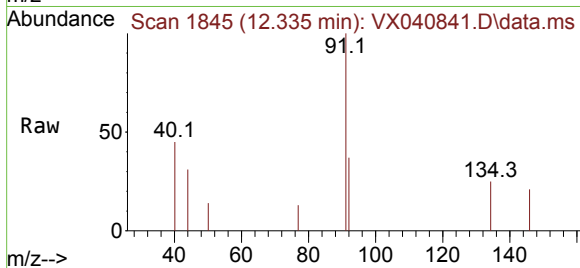
Tgt Ion: 91 Resp: 535

Ion Ratio Lower Upper

91 100

92 41.9 27.4 82.0

134 20.9 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.443 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040841.D

Acq: 01 Apr 2024 12:29

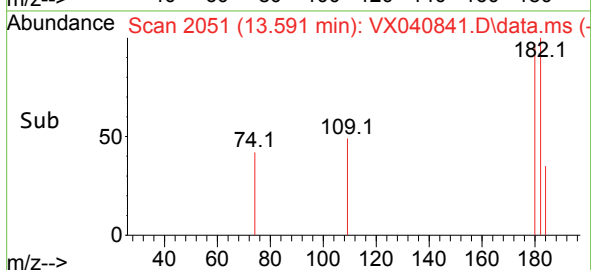
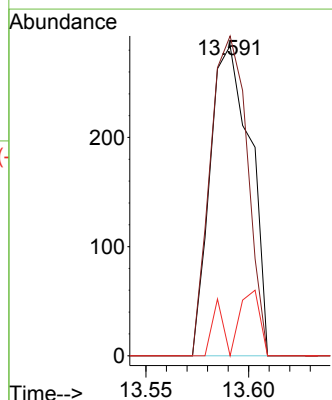
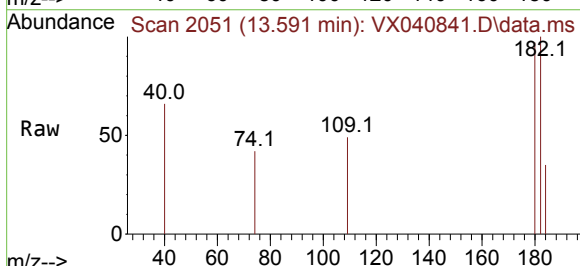
Tgt Ion: 180 Resp: 387

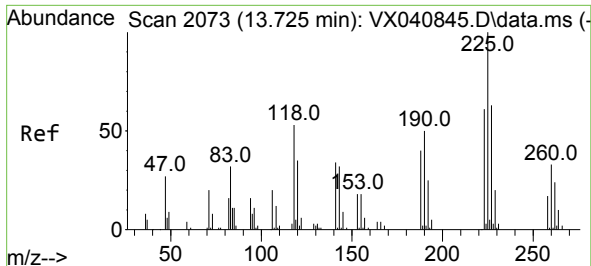
Ion Ratio Lower Upper

180 100

182 95.1 48.3 144.8

145 15.5 18.0 54.0#

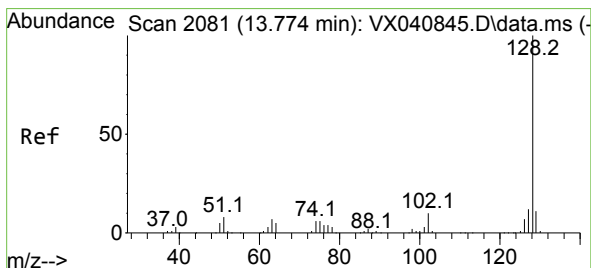
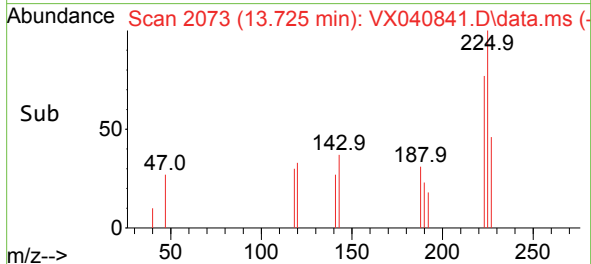
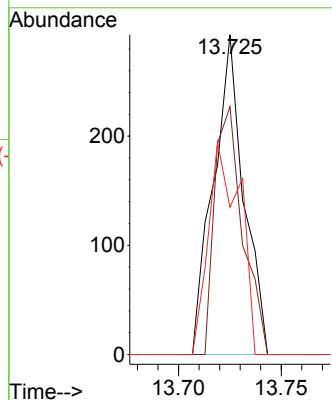
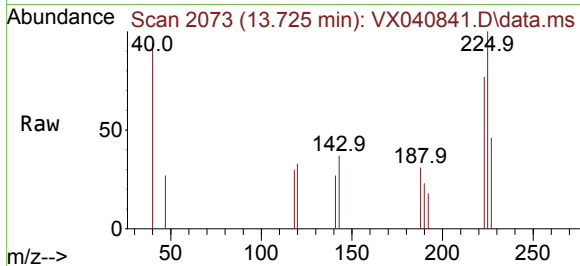




#94
Hexachlorobutadiene
Concen: 0.900 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

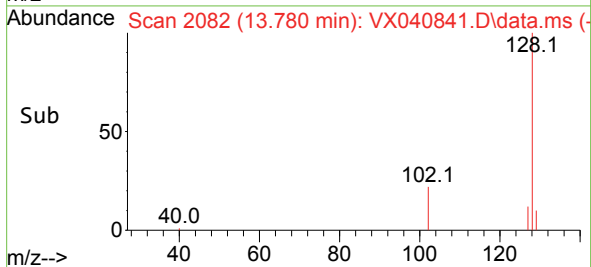
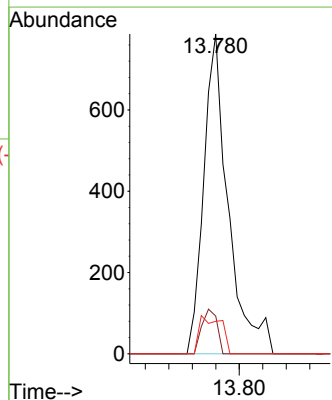
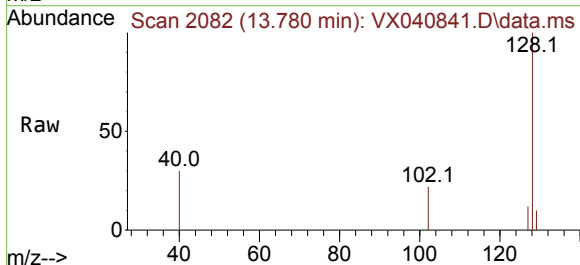
Instrument :
MSVOA_X
ClientSampleId :
IBLK

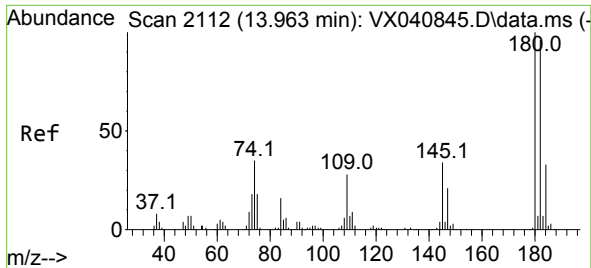
Tgt Ion:225 Resp: 301
Ion Ratio Lower Upper
225 100
223 71.4 31.1 93.2
227 69.4 32.5 97.5



#95
Naphthalene
Concen: 0.405 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040841.D
Acq: 01 Apr 2024 12:29

Tgt Ion:128 Resp: 1137
Ion Ratio Lower Upper
128 100
127 8.7 10.3 15.5#
129 10.6 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.497 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX040841.D
 Acq: 01 Apr 2024 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:180	Resp:	414
Ion	Ratio	Lower Upper
180	100	
182	87.4	46.9 140.6
145	23.2	17.8 53.5

