

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110723\
 Data File : VX038639.D
 Acq On : 07 Nov 2023 18:02
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

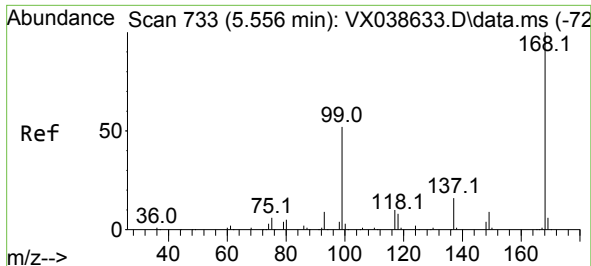
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Nov 08 03:22:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	266505	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	433137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	245888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151533	45.671	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	91.340%	
35) Dibromofluoromethane	5.385	113	141447	45.342	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	90.680%	
50) Toluene-d8	8.647	98	512203	45.884	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	91.760%#	
62) 4-Bromofluorobenzene	11.079	95	214155	49.480	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	98.960%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	636	0.230	ug/l	78
7) Trichlorofluoromethane	1.892	101	944	0.215	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	671	0.258	ug/l	# 78
11) Tert butyl alcohol	2.953	59	1347	1.986	ug/l	# 78
13) Acrolein	2.240	56	248	0.482	ug/l	# 68
15) Acrylonitrile	3.081	53	794	0.555	ug/l	# 93
16) Acetone	2.386	43	685	0.490	ug/l	92
17) Carbon Disulfide	2.514	76	5913	0.895	ug/l	96
20) Methylene Chloride	2.788	84	1156	0.410	ug/l	88
21) trans-1,2-Dichloroethene	3.099	96	1064	0.393	ug/l	# 56
30) Chloroform	5.111	83	2377	0.456	ug/l	84
36) 1,1-Dichloropropene	5.702	75	1353	0.349	ug/l	# 83
38) Carbon Tetrachloride	5.550	117	25060	5.785	ug/l	# 17
39) Methylcyclohexane	7.379	83	1081	0.223	ug/l	# 81
44) Trichloroethene	7.135	130	1041	0.300	ug/l	67
47) Bromodichloromethane	7.818	83	935	0.220	ug/l	# 84
64) Tetrachloroethene	9.281	164	941	0.285	ug/l	# 69
68) m/p-Xylenes	10.305	106	1954	0.325	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	106383	21.846	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	106383	66.105	ug/l	# 5
82) 4-Chlorotoluene	11.463	91	3108	0.253	ug/l	92
87) 1,3-Dichlorobenzene	11.976	146	2634	0.333	ug/l	90
88) 1,4-Dichlorobenzene	11.976	146	2634	0.324	ug/l	91
89) n-Butylbenzene	12.335	91	3235	0.260	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	1766	0.228	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2987	0.540	ug/l	91
94) Hexachlorobutadiene	13.725	225	984	0.412	ug/l	99
95) Naphthalene	13.780	128	5003	0.300	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	2301	0.422	ug/l	99

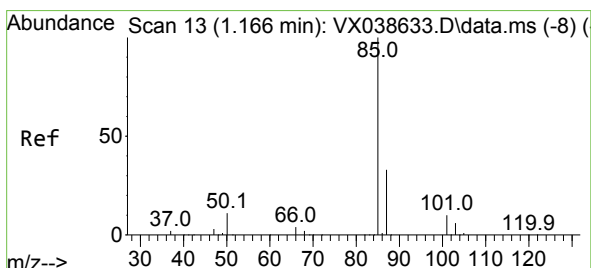
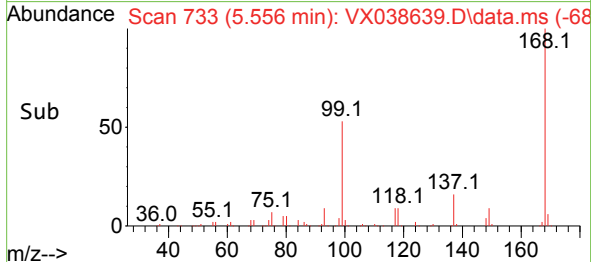
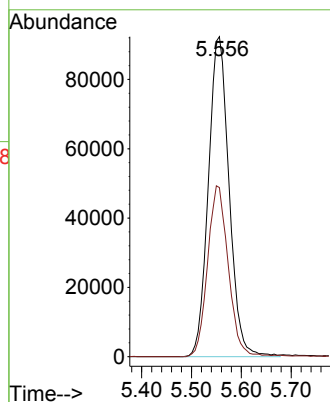
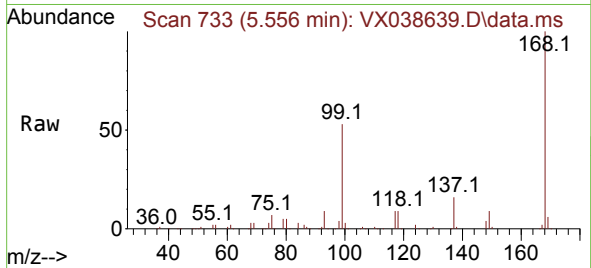
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

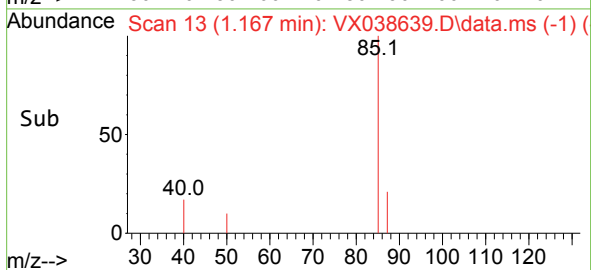
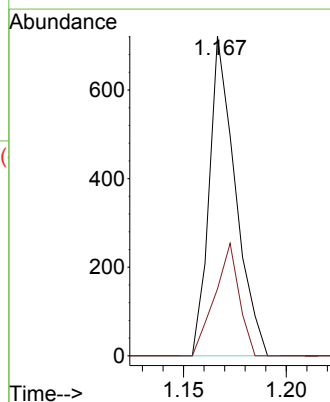
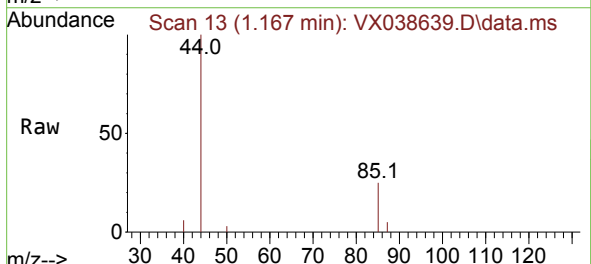
Instrument :
MSVOA_X
ClientSampleId :
IBLK

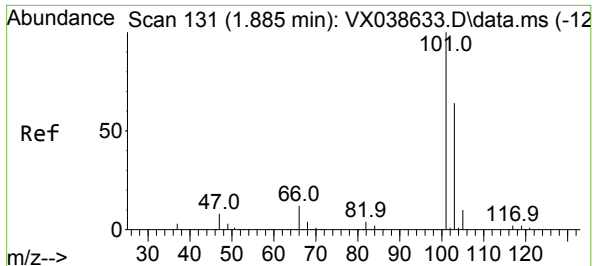
Tgt Ion:168 Resp: 266505
Ion Ratio Lower Upper
168 100
99 52.9 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.230 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 85 Resp: 636
Ion Ratio Lower Upper
85 100
87 20.9 16.7 50.1

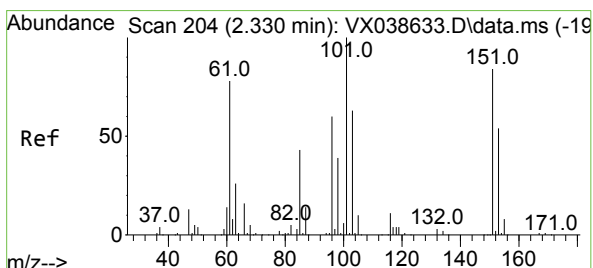
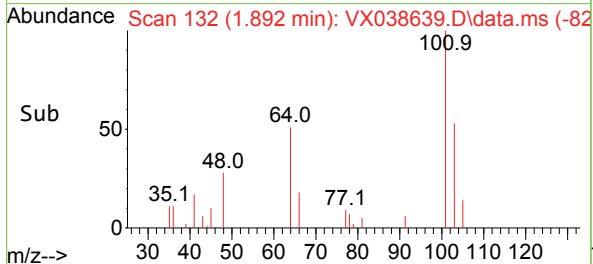
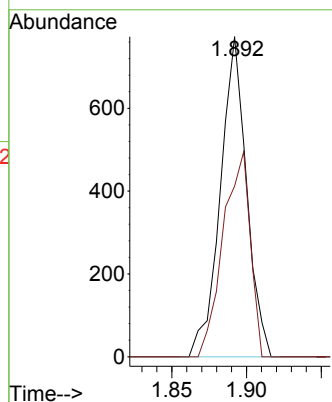
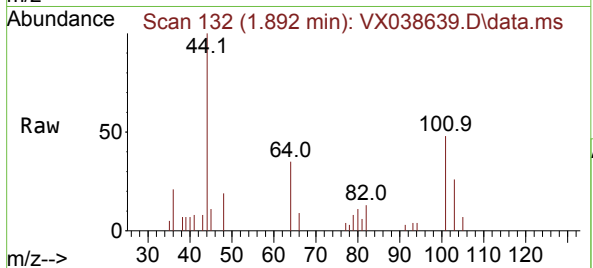




#7
 Trichlorofluoromethane
 Concen: 0.215 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VX038639.D
 Acq: 07 Nov 2023 18:02

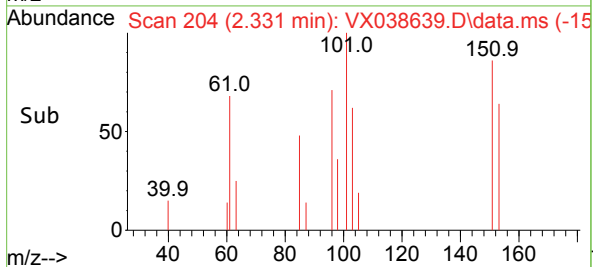
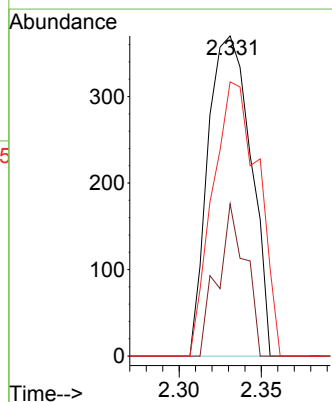
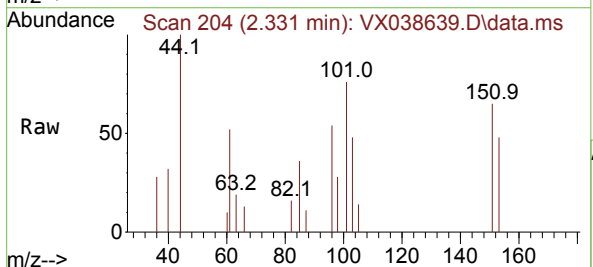
Instrument :
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 ClientSampleId :
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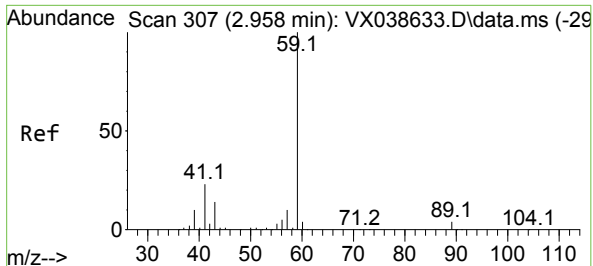
Tgt Ion:101 Resp: 944
 Ion Ratio Lower Upper
 101 100
 103 53.3 51.4 77.2



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.258 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX038639.D
 Acq: 07 Nov 2023 18:02

Tgt Ion:101 Resp: 671
 Ion Ratio Lower Upper
 101 100
 85 31.1 37.0 55.6#
 151 91.1 58.6 87.8#





#11

Tert butyl alcohol

Concen: 1.986 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX038639.D

Acq: 07 Nov 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

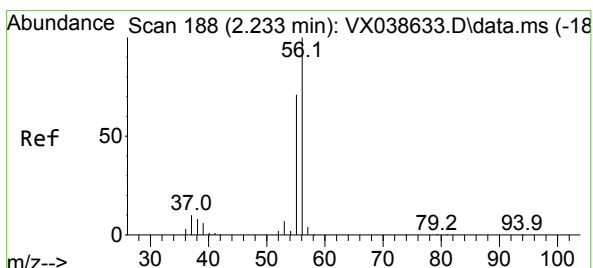
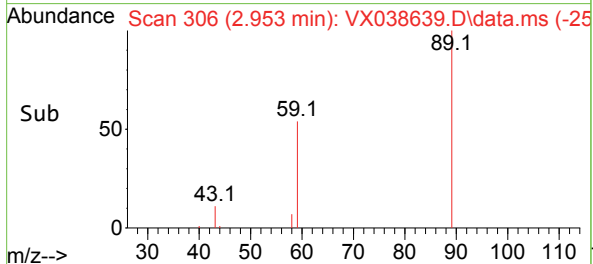
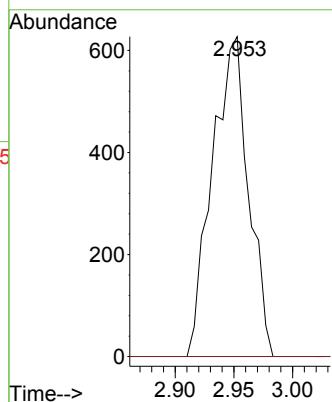
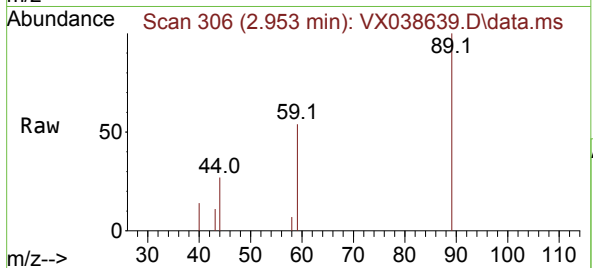
IBLK

Tgt Ion: 59 Resp: 1347

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.482 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.007 min

Lab File: VX038639.D

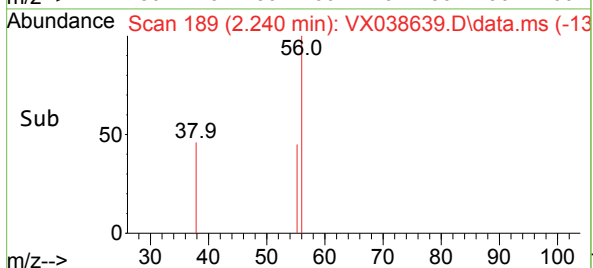
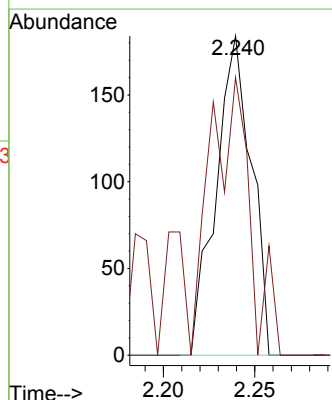
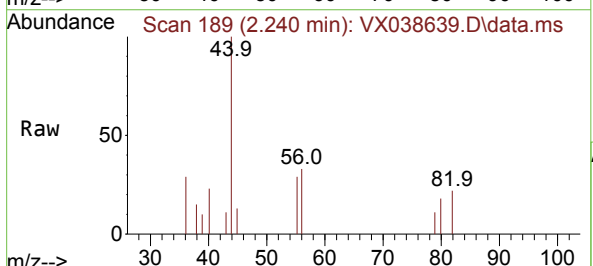
Acq: 07 Nov 2023 18:02

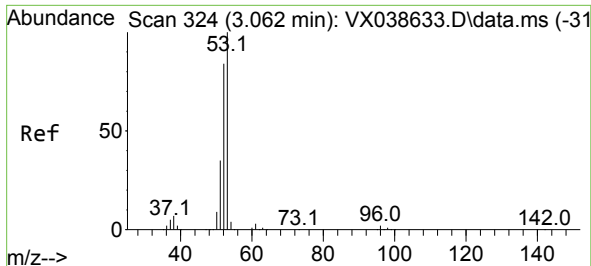
Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 97.6 57.1 85.7#

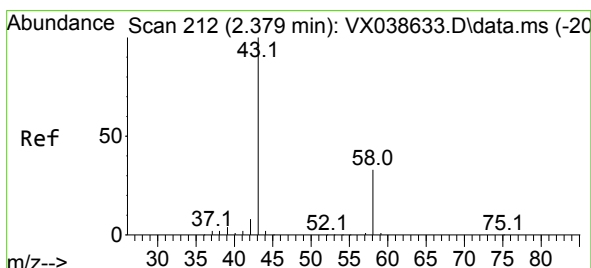
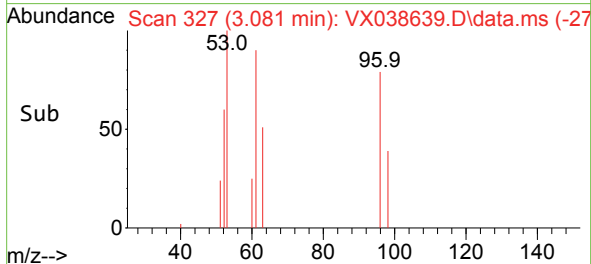
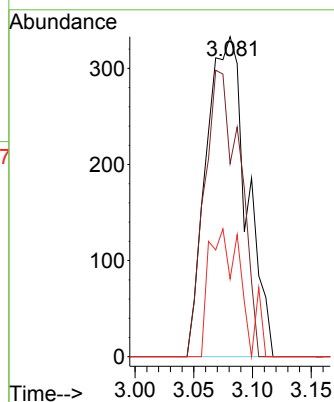
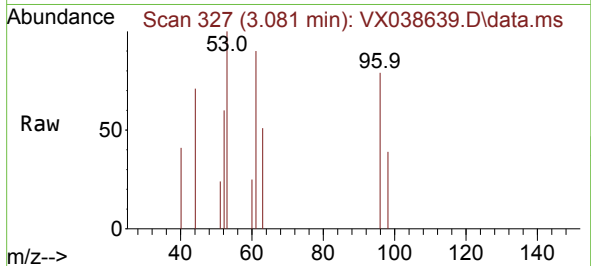




#15
Acrylonitrile
Concen: 0.555 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

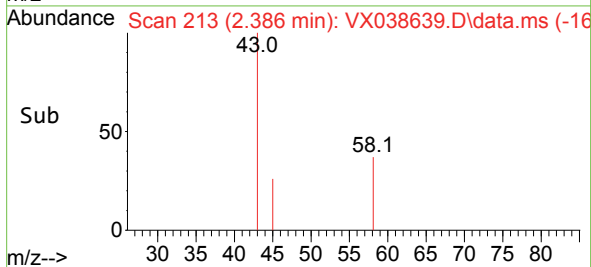
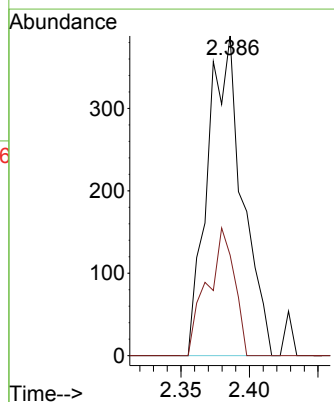
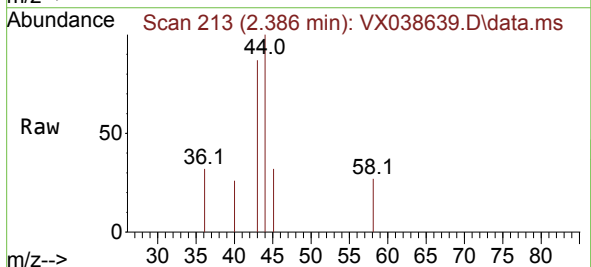
Instrument :
MSVOA_X
ClientSampleId :
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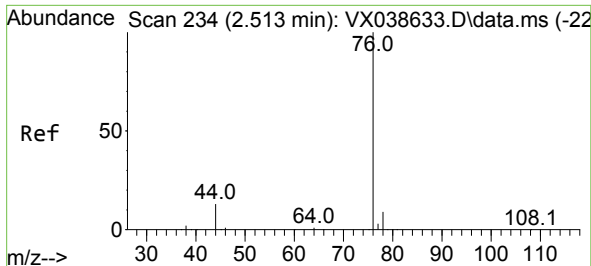
Tgt Ion: 53	Resp:	794	
Ion	Ratio	Lower	Upper
53	100		
52	78.6	66.0	99.0
51	29.0	29.8	44.6#



#16
Acetone
Concen: 0.490 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 43	Resp: 685
Ion Ratio	Lower Upper
43 100	
58 31.4	21.9 32.9

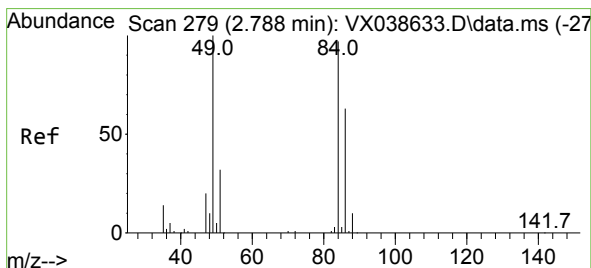
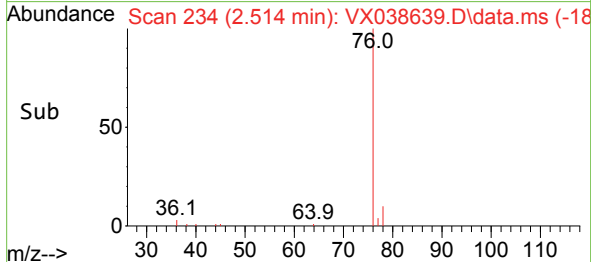
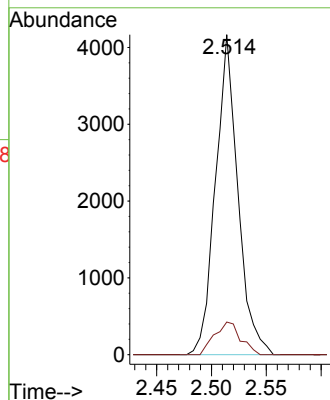
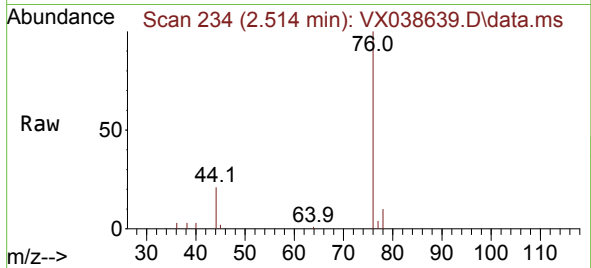




#17
Carbon Disulfide
Concen: 0.895 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

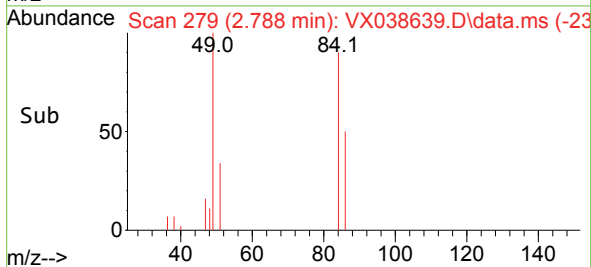
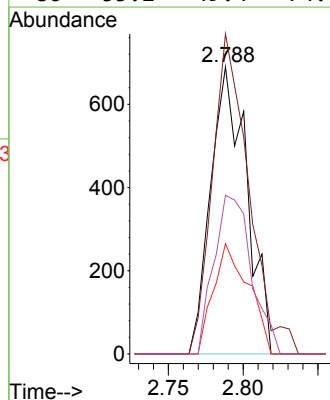
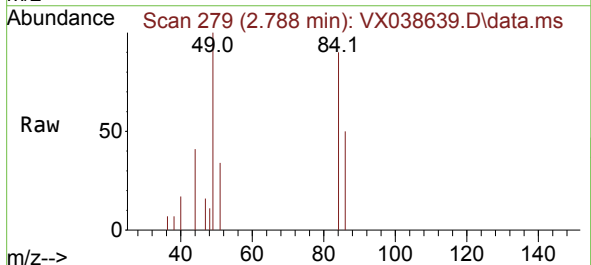
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MSVOA_X
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IBLK

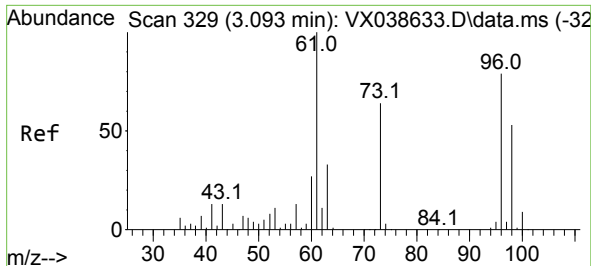
Tgt Ion: 76 Resp: 5913
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.6



#20
Methylene Chloride
Concen: 0.410 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 84 Resp: 1156
Ion Ratio Lower Upper
84 100
49 111.4 103.6 155.4
51 38.4 33.8 50.6
86 55.2 49.4 74.0

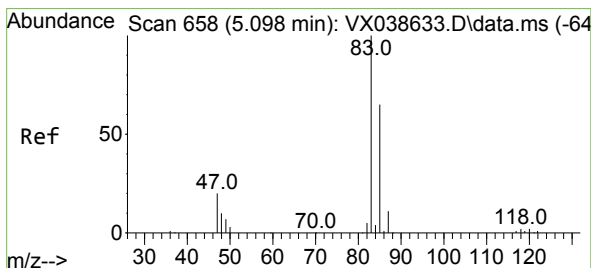
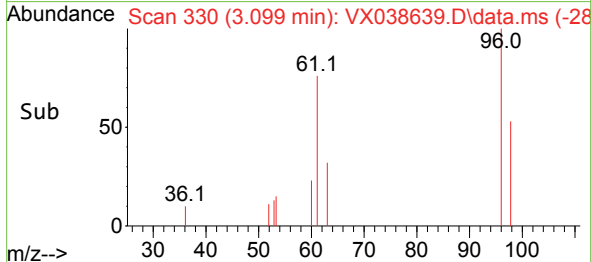
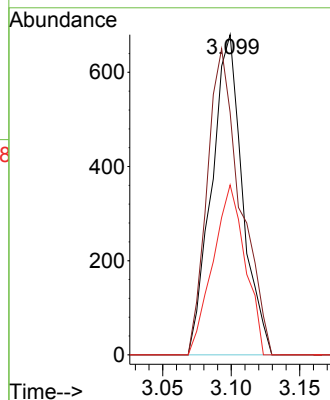
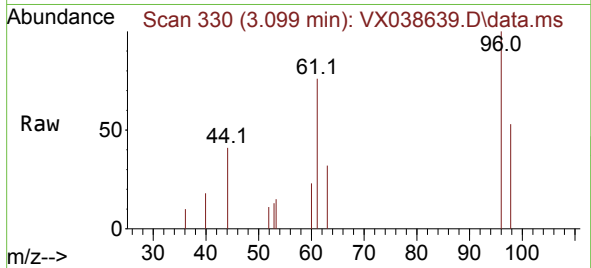




#21
trans-1,2-Dichloroethene
Concen: 0.393 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

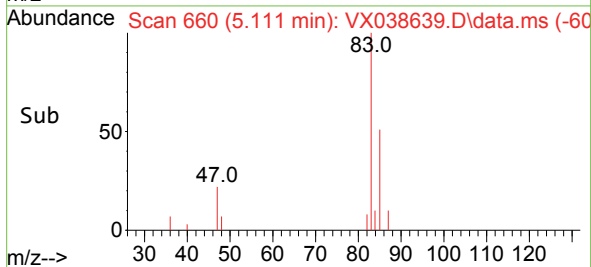
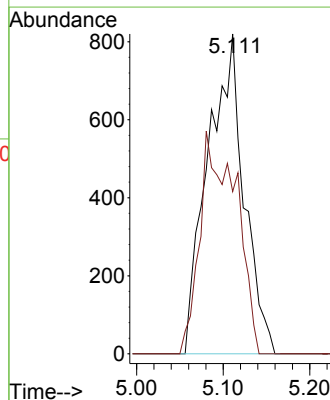
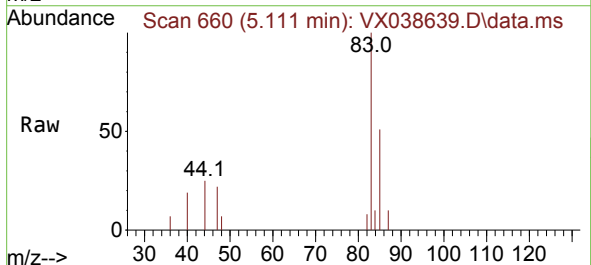
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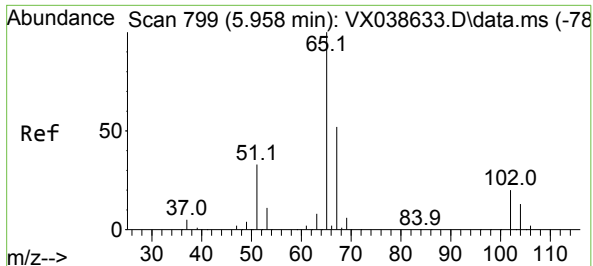
Tgt Ion: 96 Resp: 1064
Ion Ratio Lower Upper
96 100
61 75.7 119.2 178.8#
98 53.1 48.7 73.1



#30
Chloroform
Concen: 0.456 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.013 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 83 Resp: 2377
Ion Ratio Lower Upper
83 100
85 50.7 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 45.671 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038639.D

Acq: 07 Nov 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

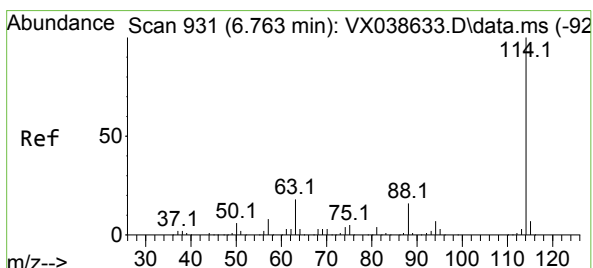
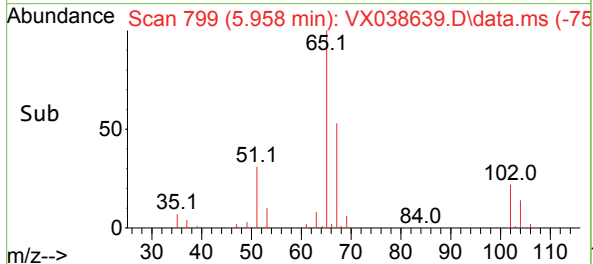
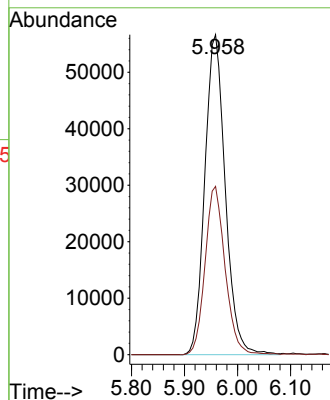
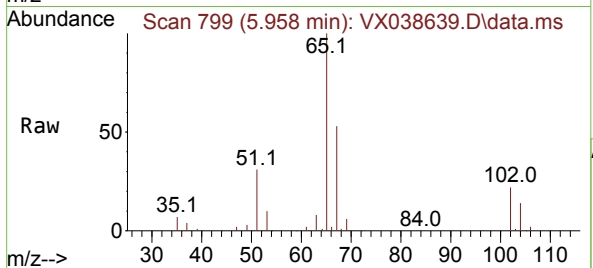
IBLK

Tgt Ion: 65 Resp: 151533

Ion Ratio Lower Upper

65 100

67 51.7 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: VX038639.D

Acq: 07 Nov 2023 18:02

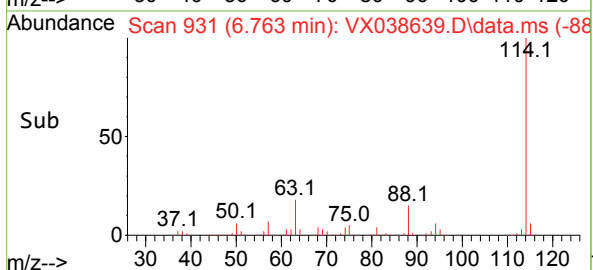
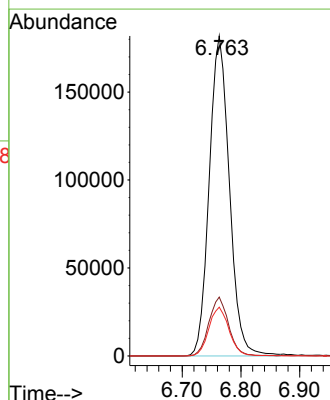
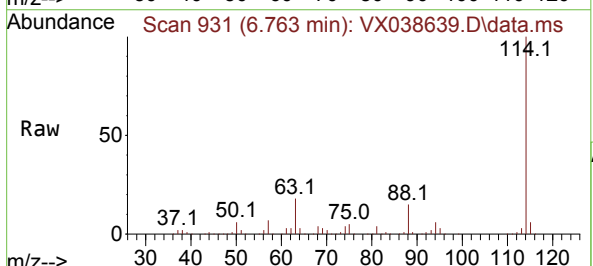
Tgt Ion: 114 Resp: 433137

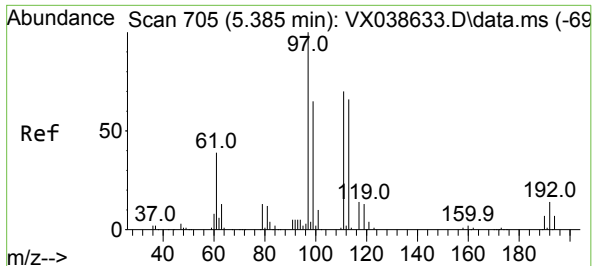
Ion Ratio Lower Upper

114 100

63 18.4 0.0 45.0

88 15.3 0.0 36.6

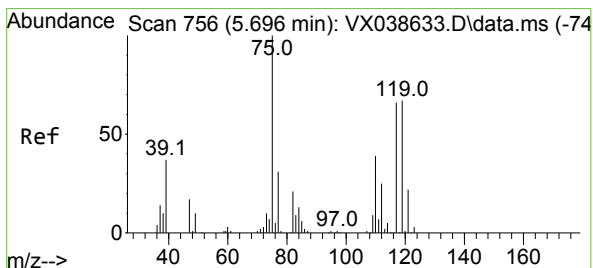
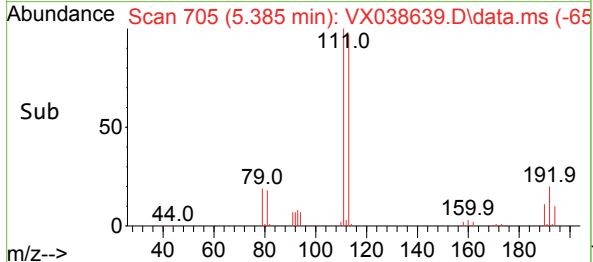
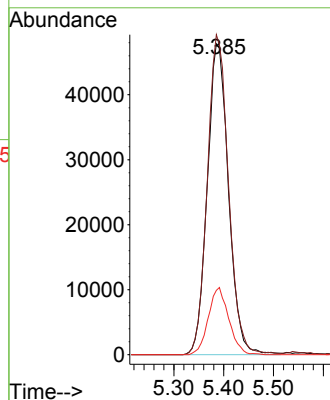
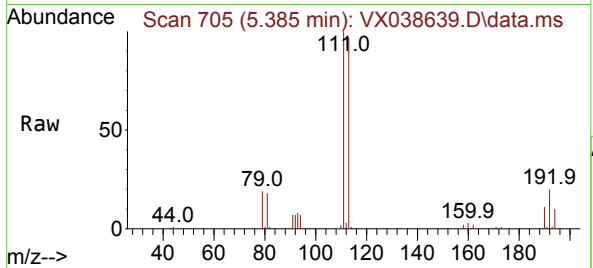




#35
Dibromofluoromethane
Concen: 45.342 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

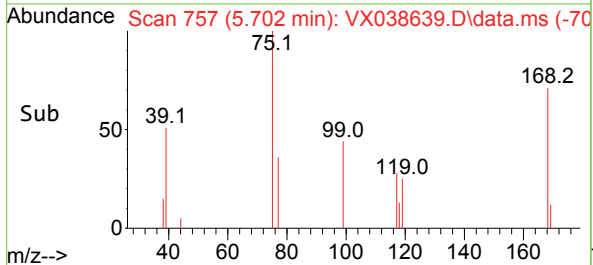
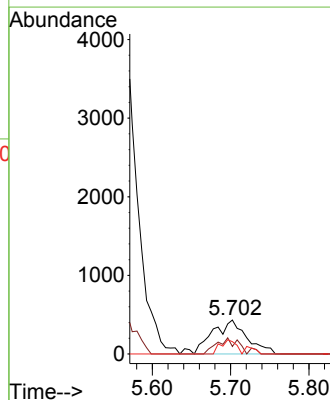
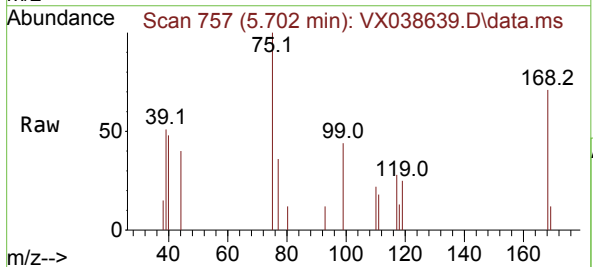
Instrument :
MSVOA_X
ClientSampleId :
IBLK

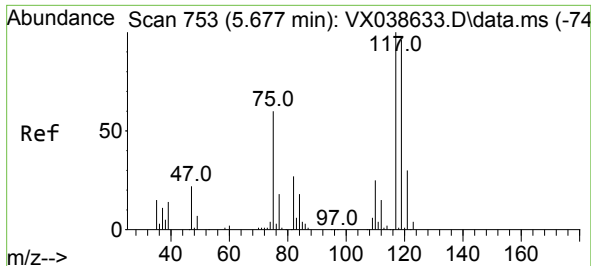
Tgt Ion:113 Resp: 141447
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 20.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 0.349 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.007 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 75 Resp: 1353
Ion Ratio Lower Upper
75 100
110 27.6 17.0 50.9
77 18.3 24.7 37.1#

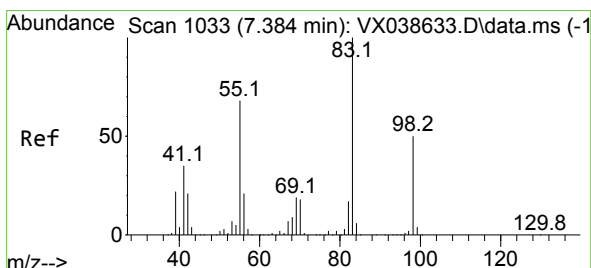
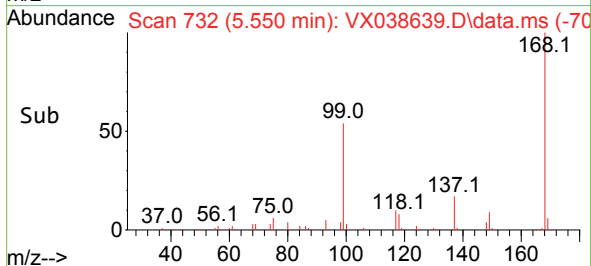
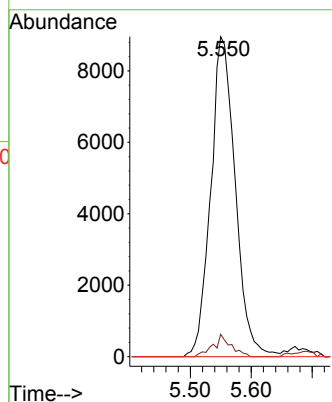
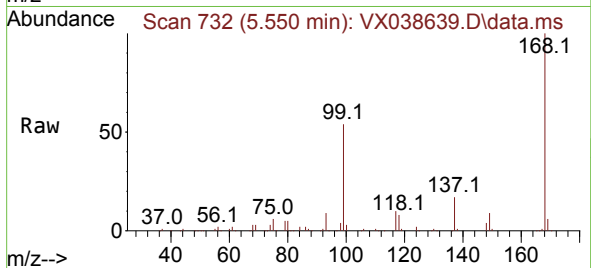




#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

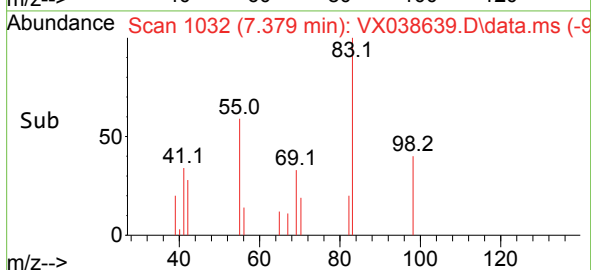
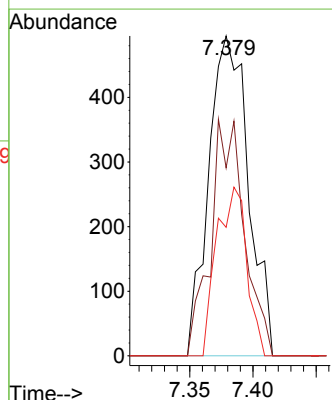
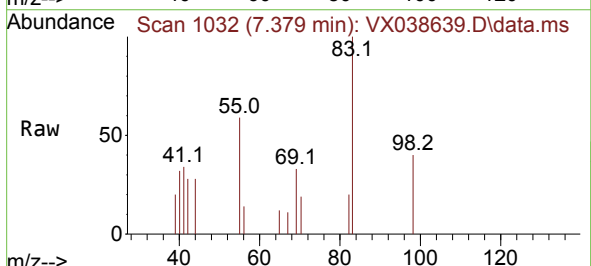
Instrument :
MSVOA_X
ClientSampleId :
IBLK

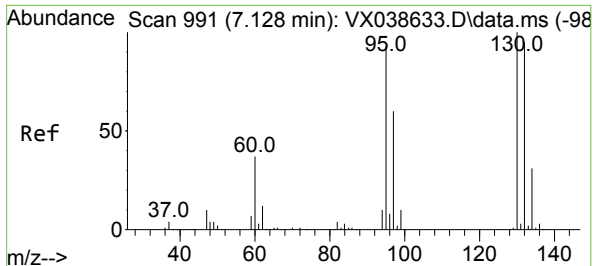
Tgt Ion:117 Resp: 25060
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.223 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 83 Resp: 1081
Ion Ratio Lower Upper
83 100
55 58.8 64.6 97.0#
98 40.2 36.7 55.1

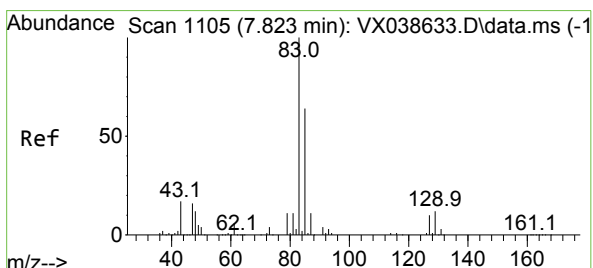
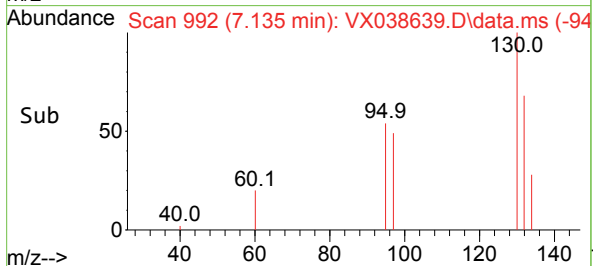
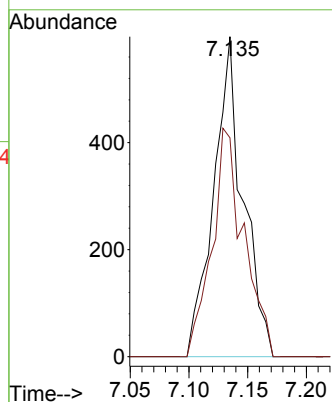
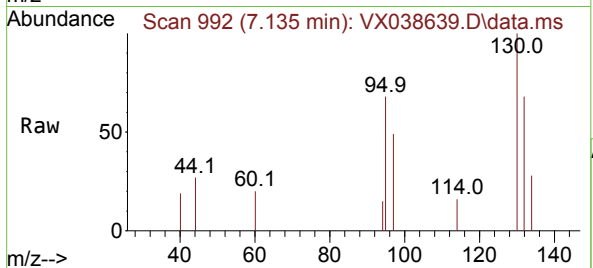




#44
Trichloroethene
Concen: 0.300 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

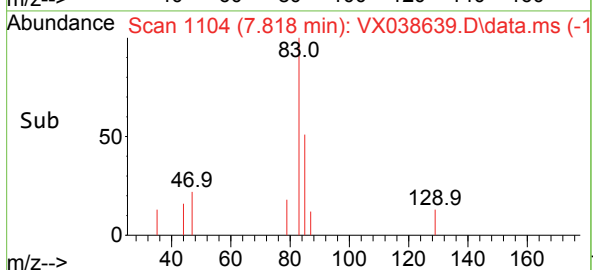
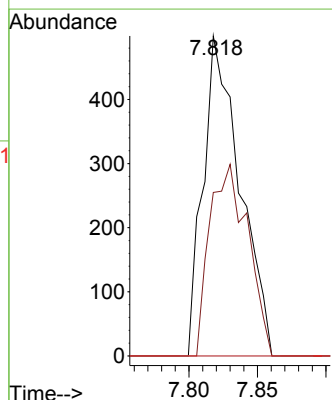
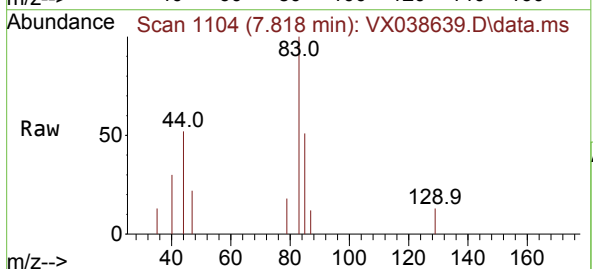
Instrument :
MSVOA_X
ClientSampleId :
IBLK

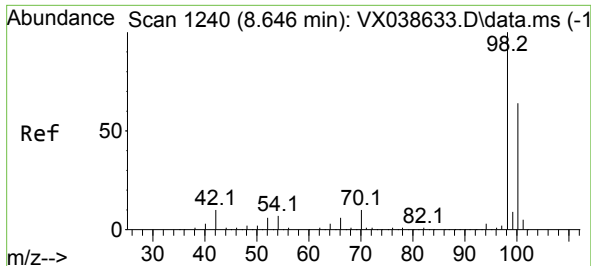
Tgt Ion:130 Resp: 1041
Ion Ratio Lower Upper
130 100
95 68.4 0.0 204.4



#47
Bromodichloromethane
Concen: 0.220 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 83 Resp: 935
Ion Ratio Lower Upper
83 100
85 51.1 49.8 74.6
127 0.0 7.1 10.7#

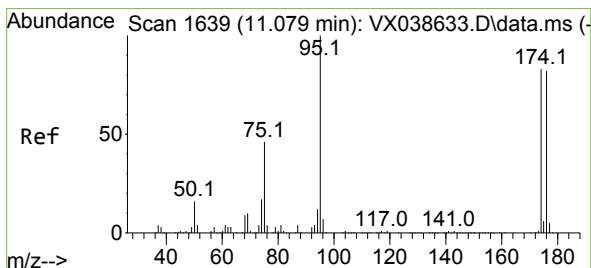
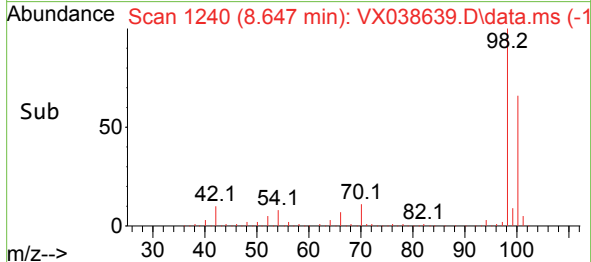
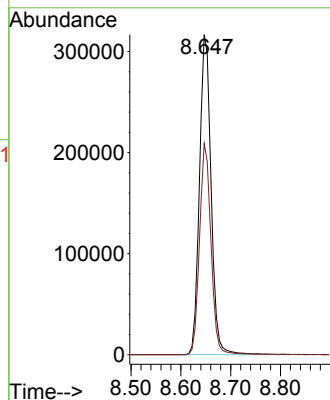
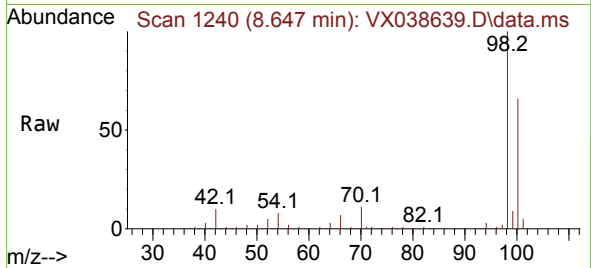




#50
Toluene-d8
Concen: 45.884 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

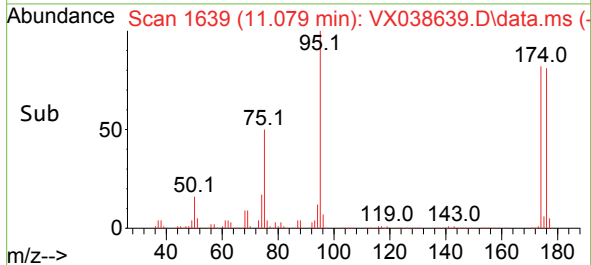
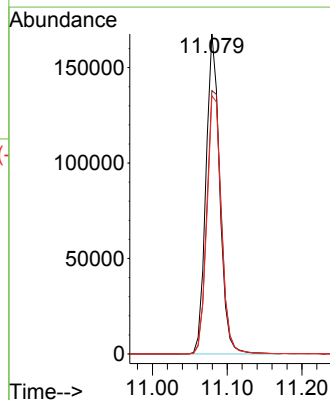
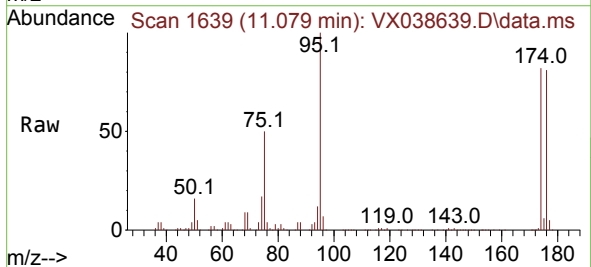
Instrument :
MSVOA_X
ClientSampleId :
IBLK

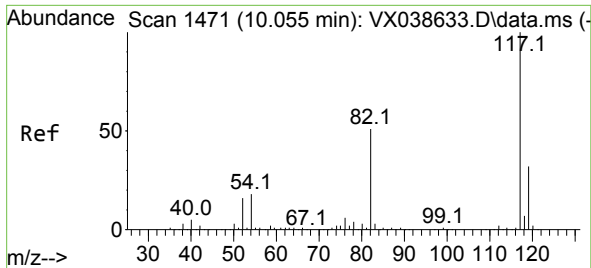
Tgt Ion: 98 Resp: 512203
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.480 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 95 Resp: 214155
Ion Ratio Lower Upper
95 100
174 87.7 0.0 135.6
176 85.2 0.0 131.0

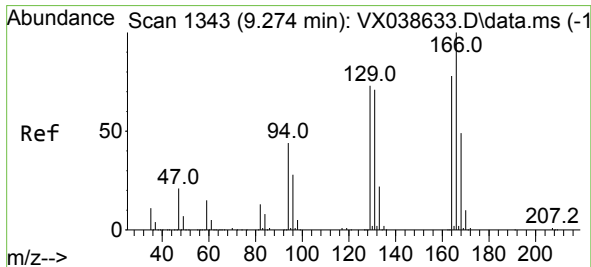
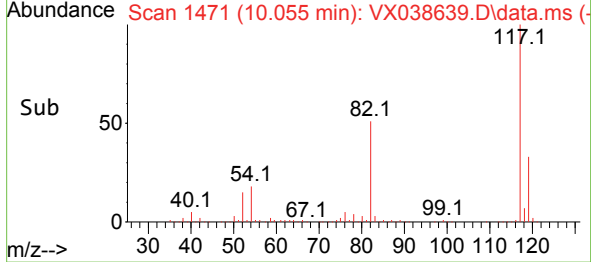
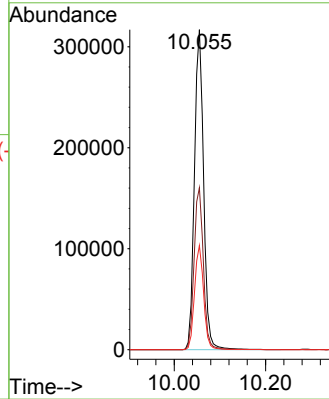
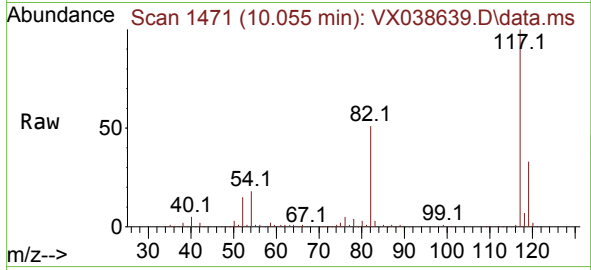




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

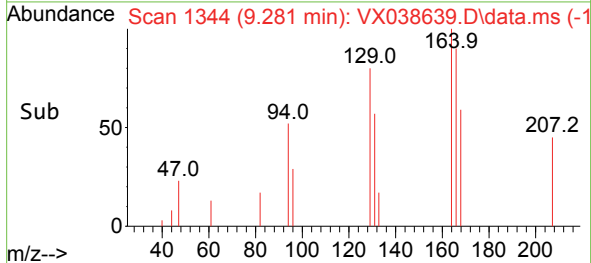
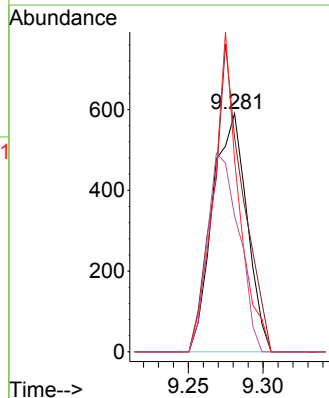
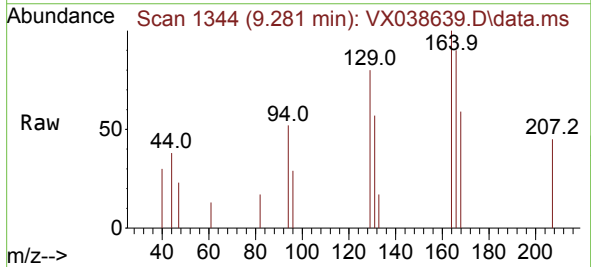
Instrument :
MSVOA_X
ClientSampleId :
IBLK

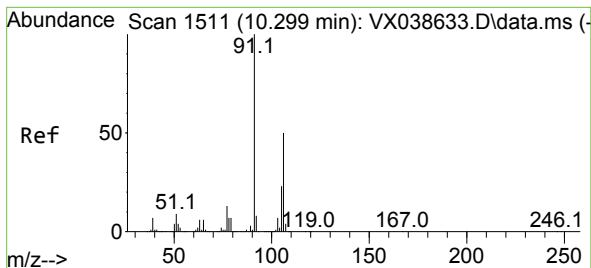
Tgt Ion:117 Resp: 440487
Ion Ratio Lower Upper
117 100
82 50.6 46.2 69.4
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 0.285 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.007 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion:164 Resp: 941
Ion Ratio Lower Upper
164 100
166 89.8 102.7 154.1#
129 80.3 80.4 120.6#
131 56.9 76.5 114.7#





#68

m/p-Xylenes

Concen: 0.325 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.007 min

Lab File: VX038639.D

Acq: 07 Nov 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

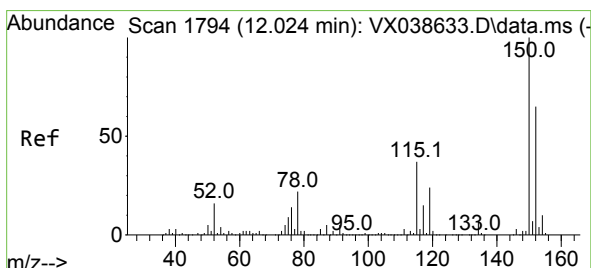
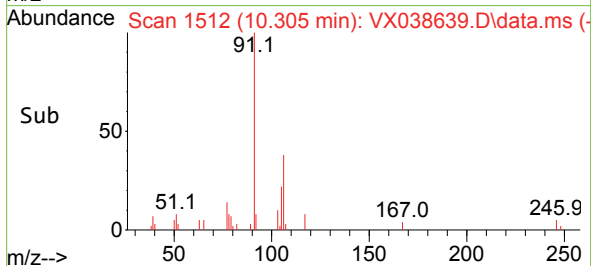
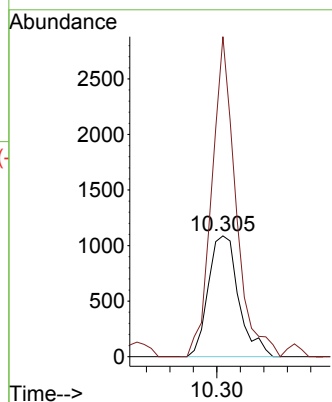
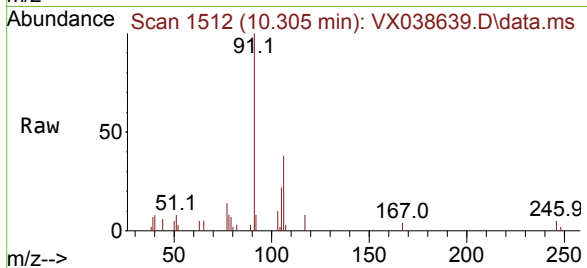
IBLK

Tgt Ion:106 Resp: 1954

Ion Ratio Lower Upper

106 100

91 209.0 165.5 248.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038639.D

Acq: 07 Nov 2023 18:02

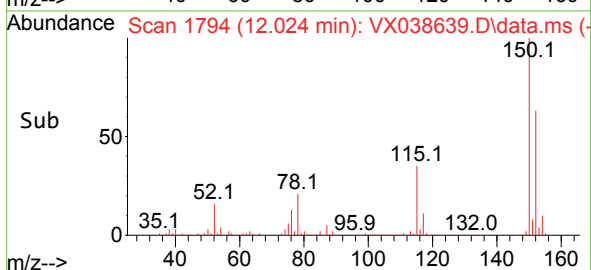
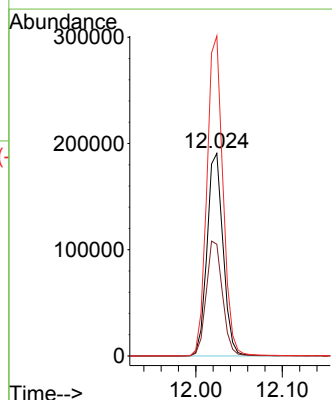
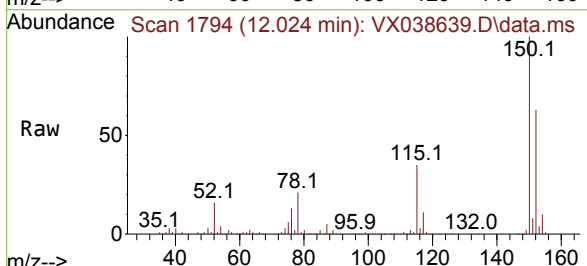
Tgt Ion:152 Resp: 245888

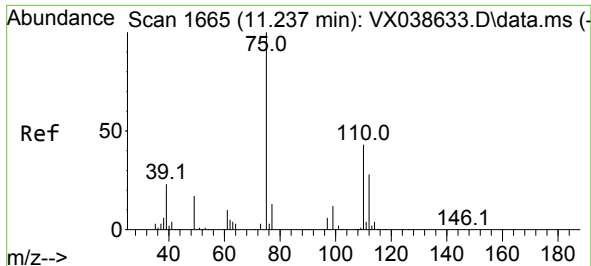
Ion Ratio Lower Upper

152 100

115 57.6 43.3 129.9

150 157.7 0.0 345.0

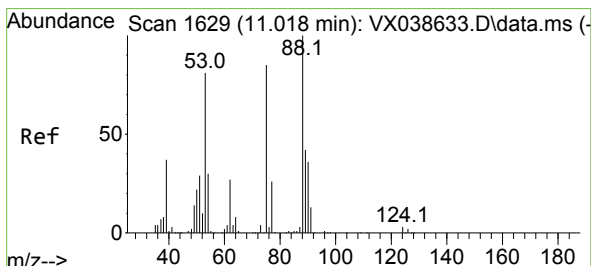
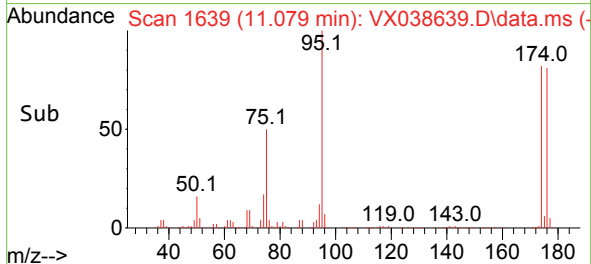
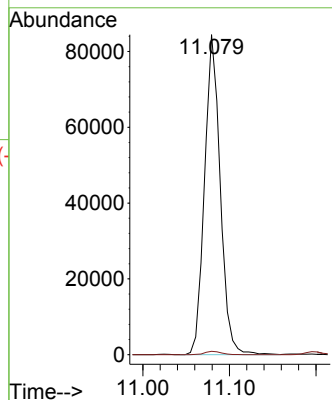
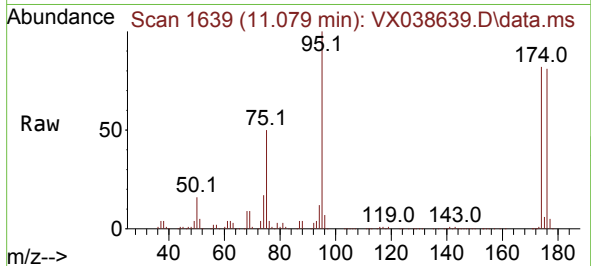




#76
1,2,3-Trichloropropane
Concen: 21.846 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

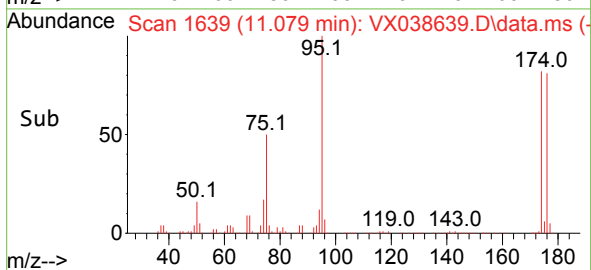
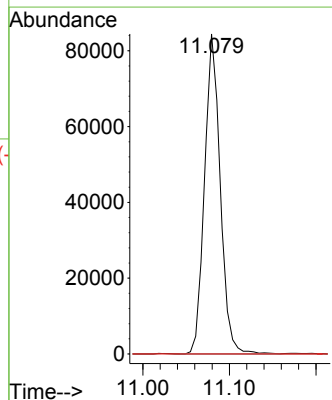
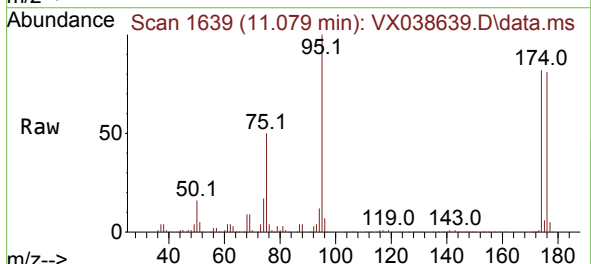
Instrument :
MSVOA_X
ClientSampleId :
IBLK

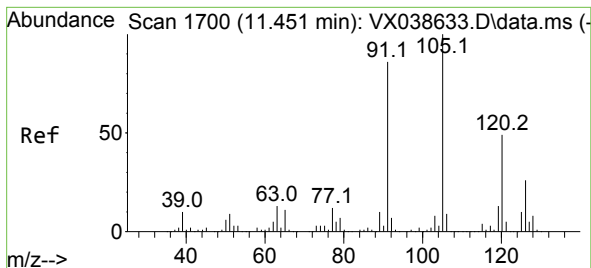
Tgt Ion: 75 Resp: 106383
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.105 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 75 Resp: 106383
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.253 ug/l

RT: 11.463 min Scan# 1

Delta R.T. 0.013 min

Lab File: VX038639.D

Acq: 07 Nov 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

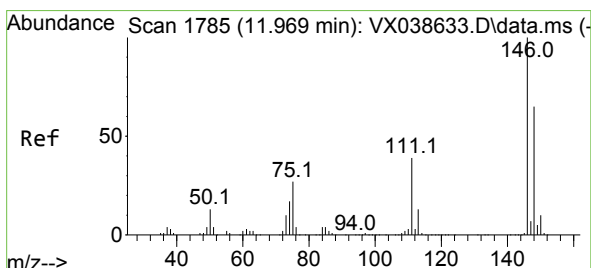
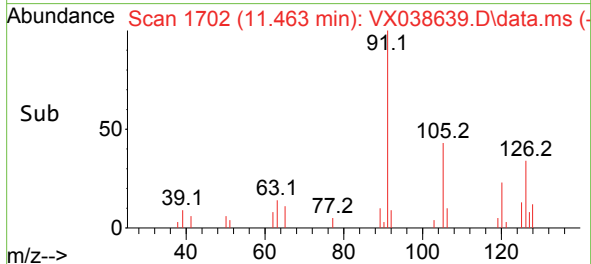
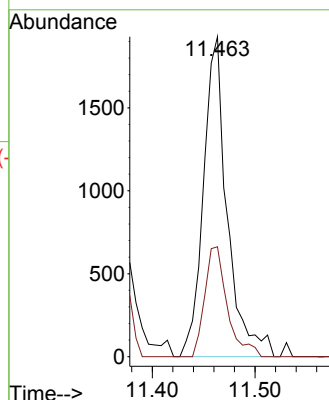
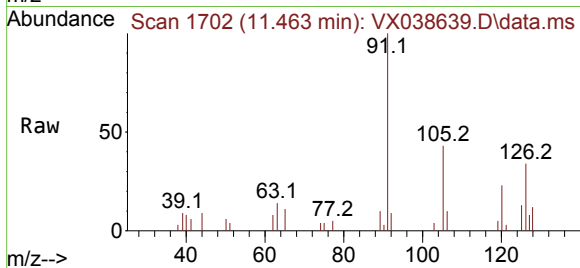
IBLK

Tgt Ion: 91 Resp: 3108

Ion Ratio Lower Upper

91 100

126 32.6 14.2 42.6



#87

1,3-Dichlorobenzene

Concen: 0.333 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.007 min

Lab File: VX038639.D

Acq: 07 Nov 2023 18:02

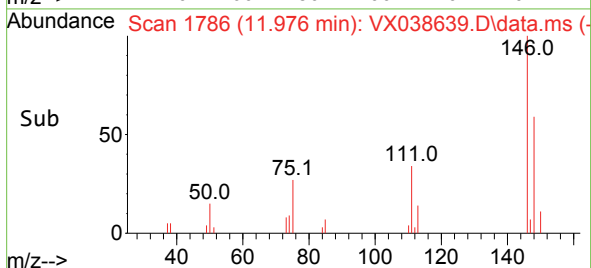
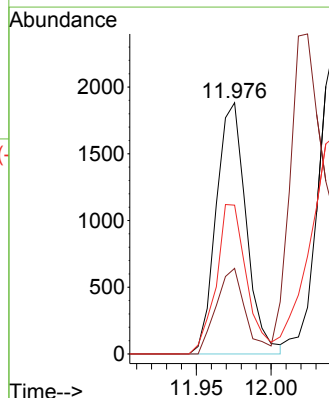
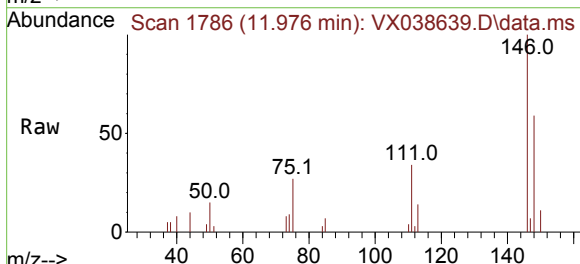
Tgt Ion: 146 Resp: 2634

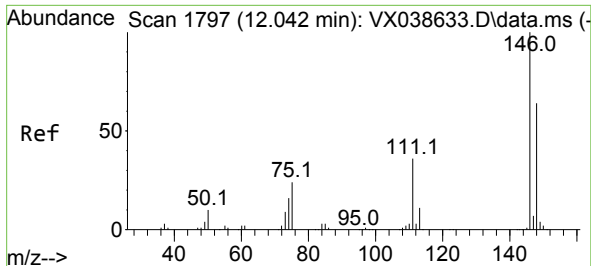
Ion Ratio Lower Upper

146 100

111 33.2 22.1 66.1

148 60.0 31.8 95.3

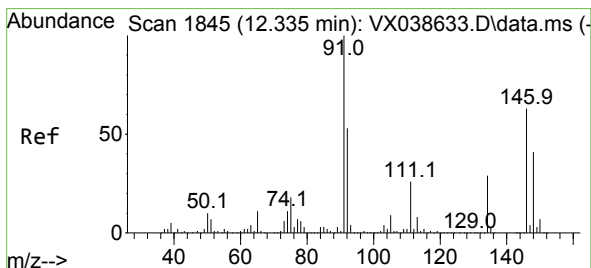
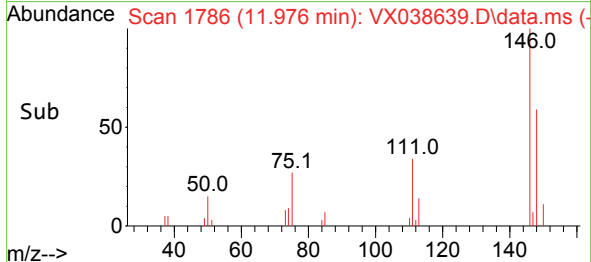
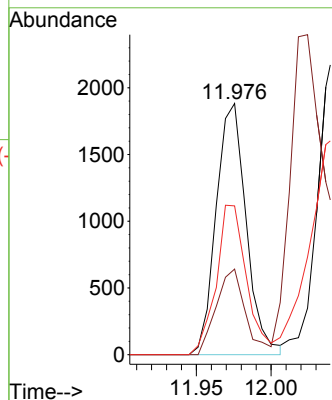
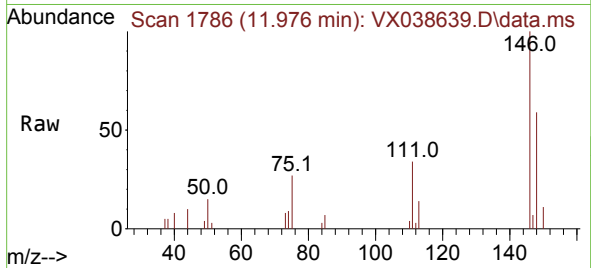




#88
1,4-Dichlorobenzene
Concen: 0.324 ug/l
RT: 11.976 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

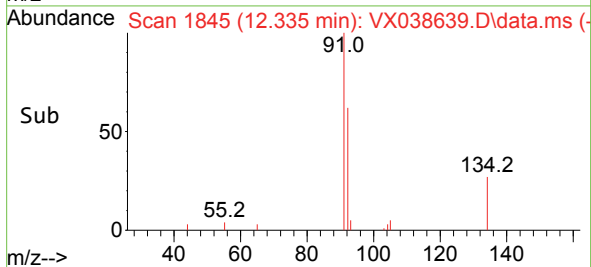
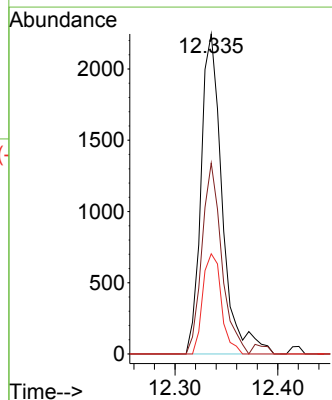
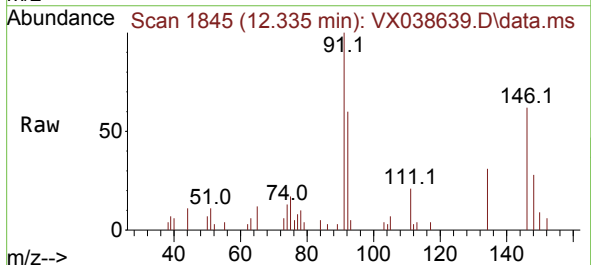
Instrument :
MSVOA_X
ClientSampleId :
IBLK

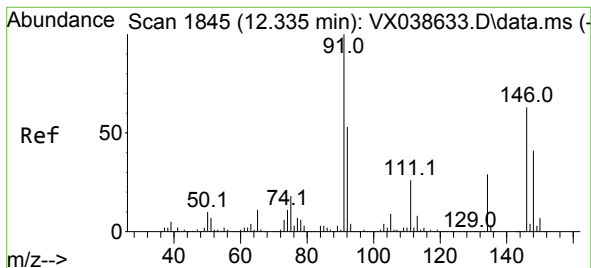
Tgt Ion:146 Resp: 2634
Ion Ratio Lower Upper
146 100
111 33.2 21.3 63.7
148 60.0 31.8 95.4



#89
n-Butylbenzene
Concen: 0.260 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion: 91 Resp: 3235
Ion Ratio Lower Upper
91 100
92 55.5 27.4 82.0
134 27.4 12.6 37.8

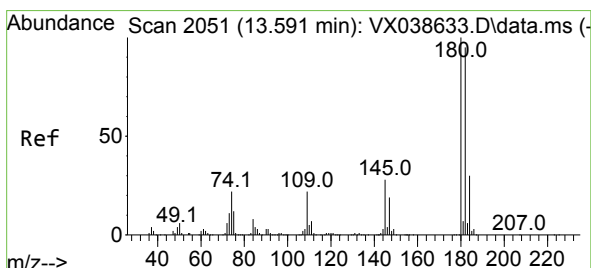
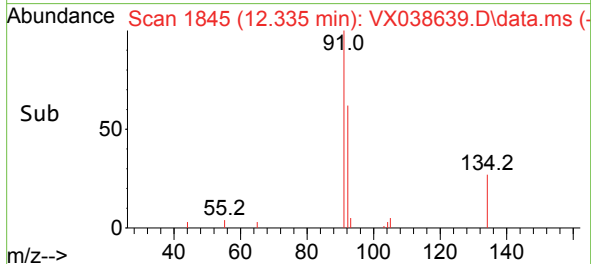
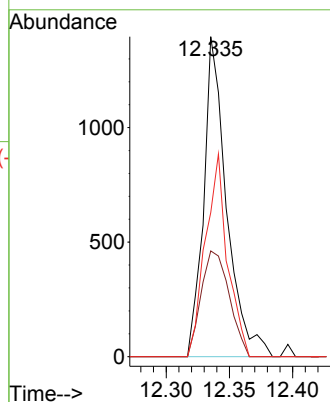
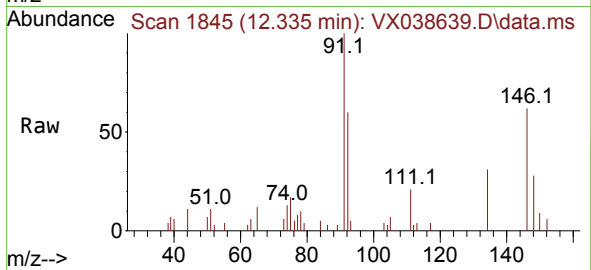




#91
1,2-Dichlorobenzene
Concen: 0.228 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

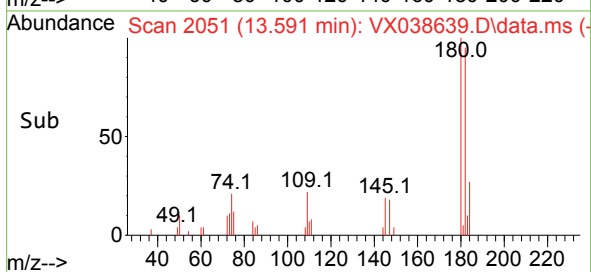
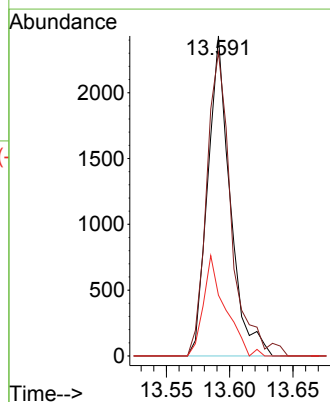
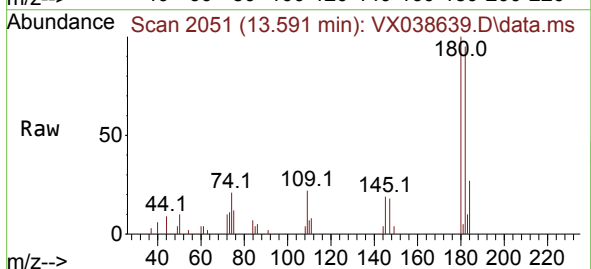
Instrument :
MSVOA_X
ClientSampleId :
IBLK

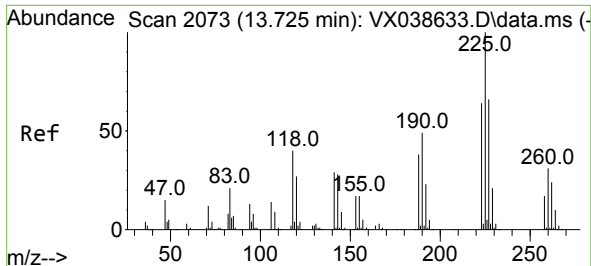
Tgt Ion:146 Resp: 1766
Ion Ratio Lower Upper
146 100
111 40.3 22.4 67.0
148 60.8 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.540 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion:180 Resp: 2987
Ion Ratio Lower Upper
180 100
182 105.2 48.3 144.8
145 30.5 18.0 54.0

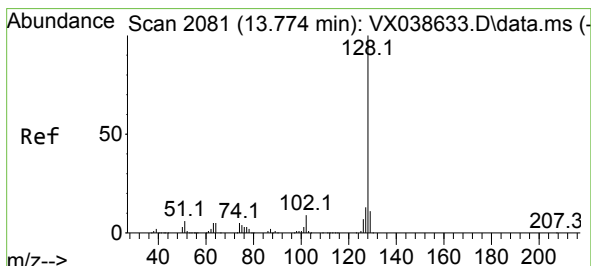
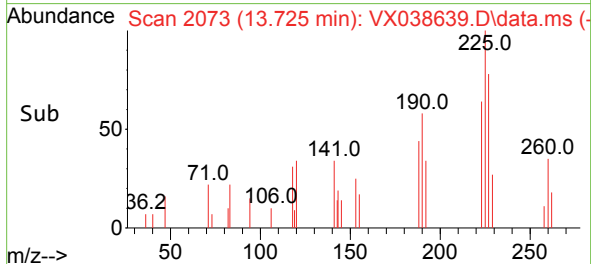
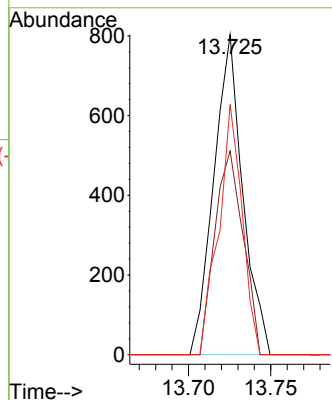
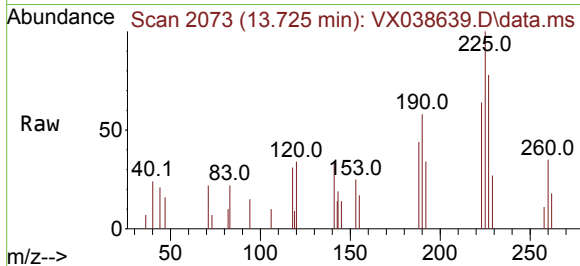




#94
Hexachlorobutadiene
Concen: 0.412 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

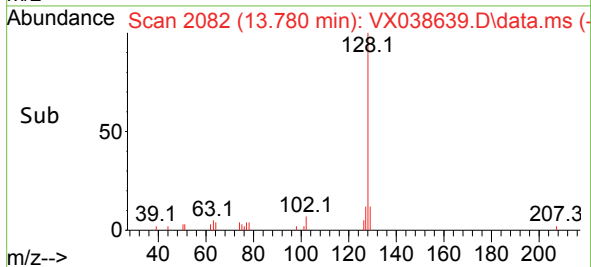
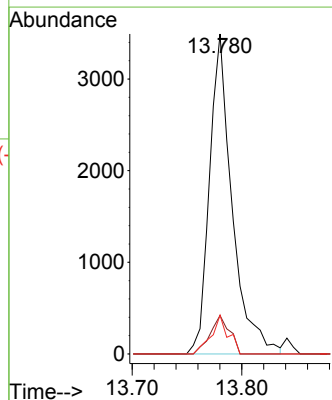
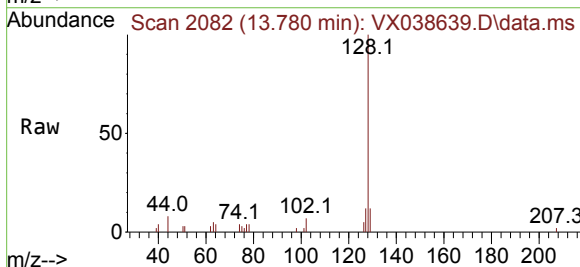
Instrument :
MSVOA_X
ClientSampleId :
IBLK

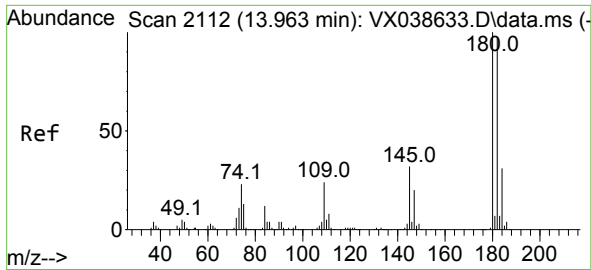
Tgt Ion:	225	Resp:	984
Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.2
227	63.5	32.5	97.5



#95
Naphthalene
Concen: 0.300 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.007 min
Lab File: VX038639.D
Acq: 07 Nov 2023 18:02

Tgt Ion:	128	Resp:	5003
Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.3	15.5
129	9.2	8.8	13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.422 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX038639.D

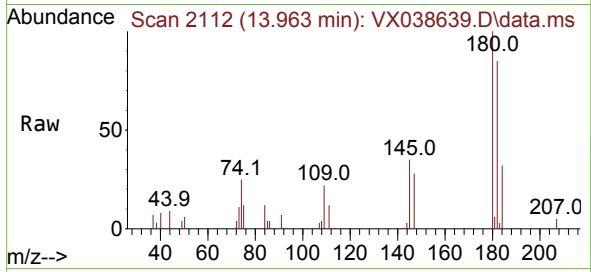
Acq: 07 Nov 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 2301

Ion Ratio Lower Upper

180 100

182 92.5 46.9 140.6

145 35.1 17.8 53.5

