

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042324\
 Data File : VX041221.D
 Acq On : 23 Apr 2024 17:36
 Operator : JC/MD
 Sample : P2201-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 24 01:51:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

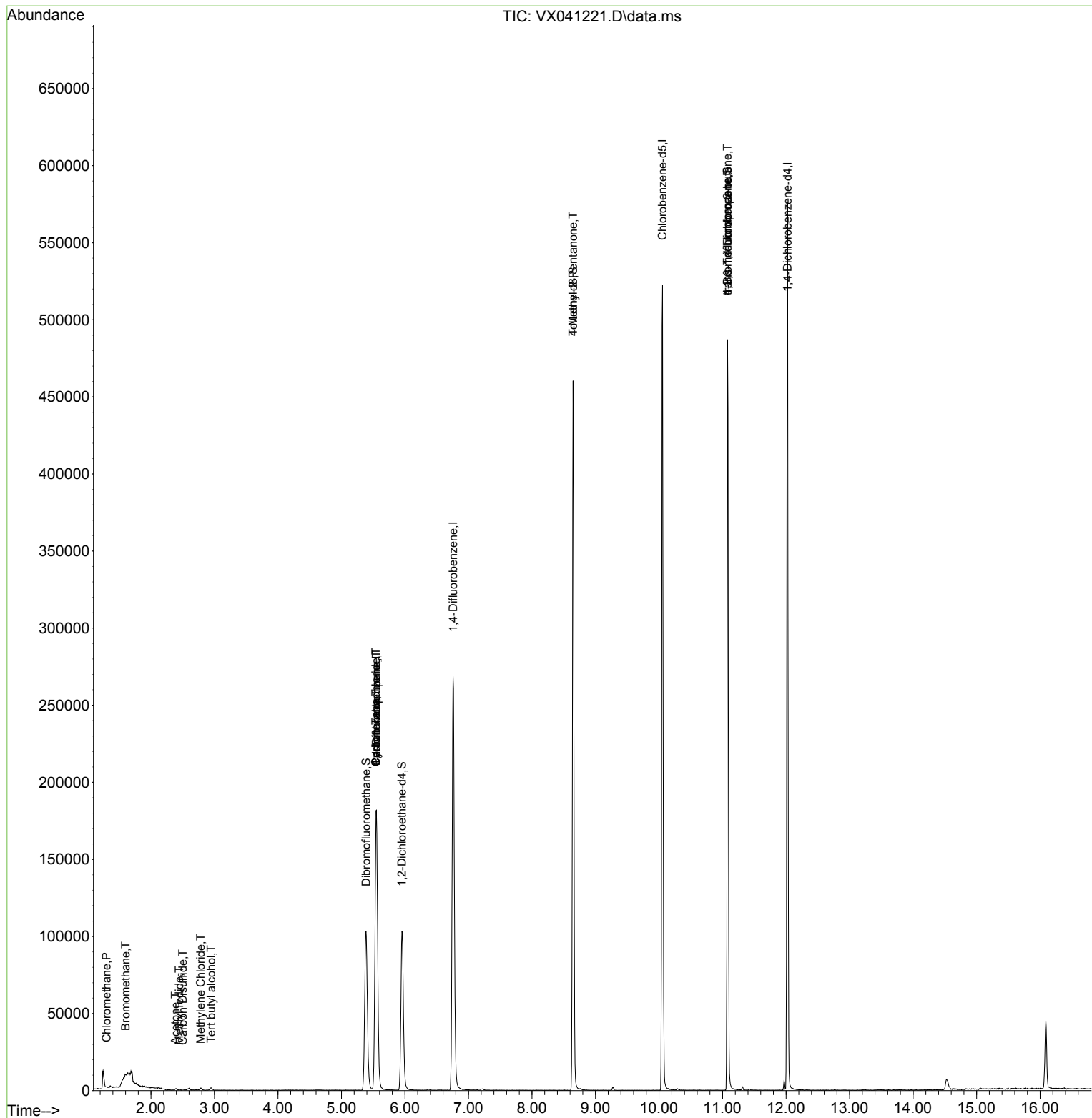
Internal Standards						
1) Pentafluorobenzene	5.550	168	203838	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	298269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104040	53.618	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.240%	
35) Dibromofluoromethane	5.385	113	91771	50.581	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.160%	
50) Toluene-d8	8.647	98	273951	44.753	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 89.500%#	
62) 4-Bromofluorobenzene	11.079	95	123642	54.724	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	412	0.236	ug/l	# 66
5) Bromomethane	1.599	94	785	0.799	ug/l	93
10) Methyl Iodide	2.447	142	462	0.241	ug/l	# 70
11) Tert butyl alcohol	2.947	59	1096	3.153	ug/l	# 78
16) Acetone	2.386	43	1121	1.587	ug/l	97
17) Carbon Disulfide	2.501	76	658	0.212	ug/l	# 94
20) Methylene Chloride	2.782	84	814	0.472	ug/l	# 69
31) Cyclohexane	5.544	56	3089	1.183	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	12002	5.170	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	16657	6.424	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	1157	0.451	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	59696	27.323	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	59696	77.087	ug/l	# 5

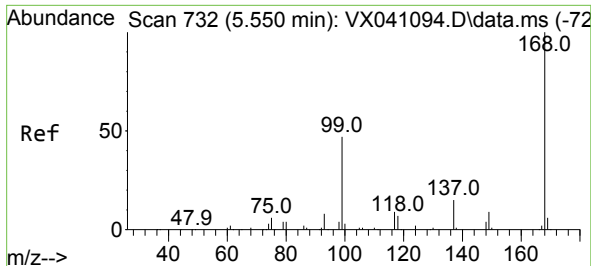
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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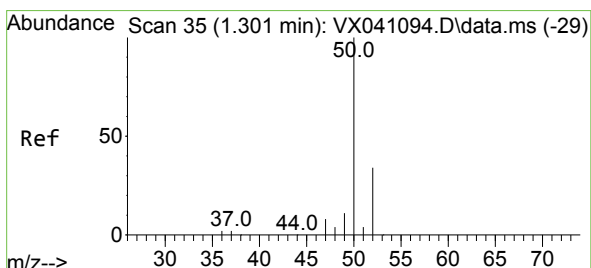
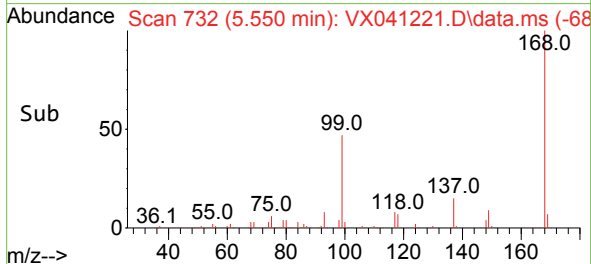
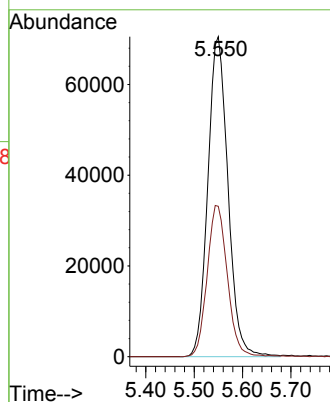
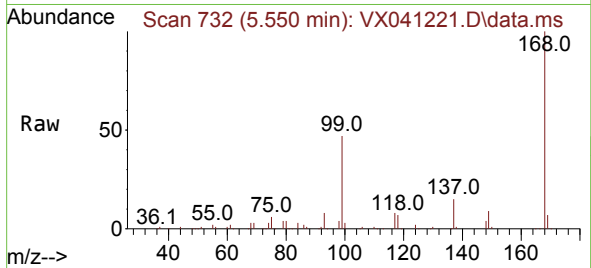




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

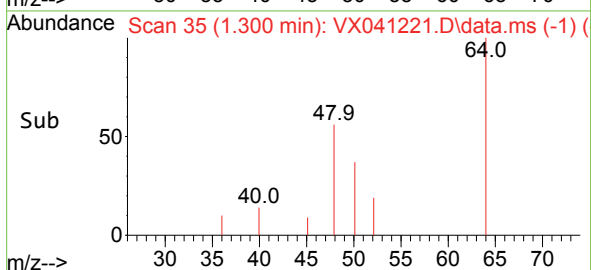
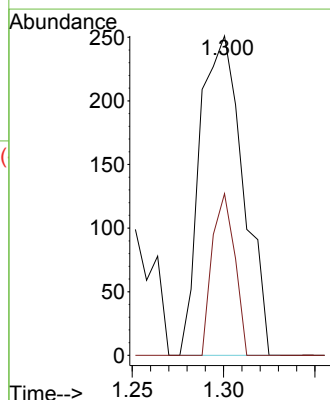
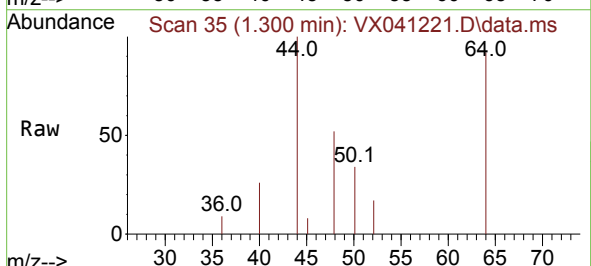
Instrument :
MSVOA_X
ClientSampleId :

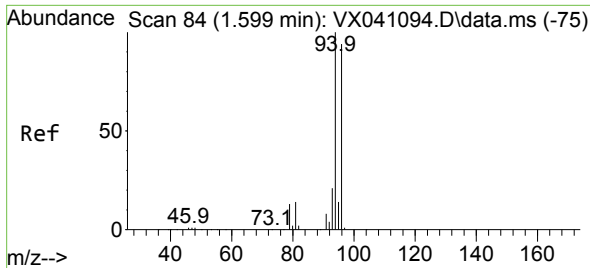
Tgt Ion:168 Resp: 203838
Ion Ratio Lower Upper
168 100
99 47.0 56.6 85.0#



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 50.6 25.5 38.3#

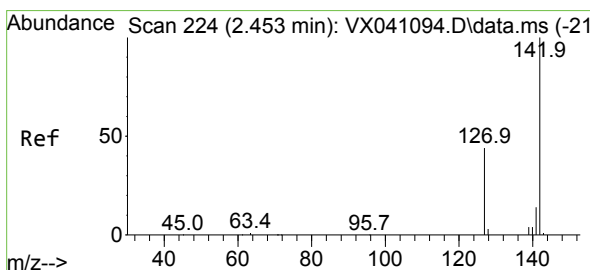
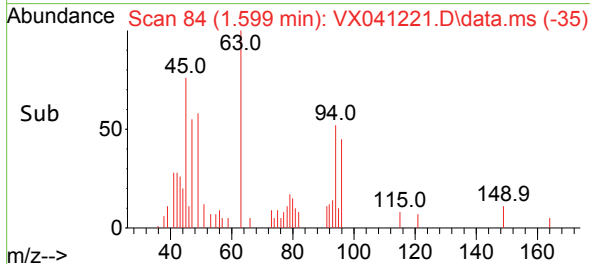
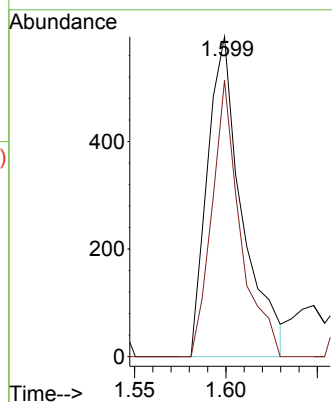
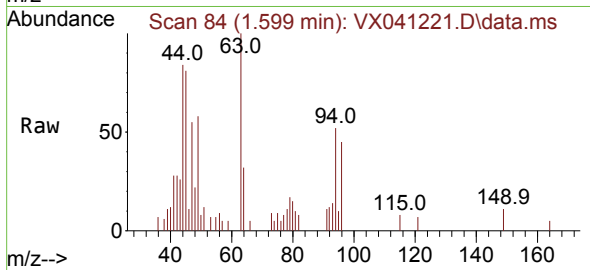




#5
Bromomethane
Concen: 0.799 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

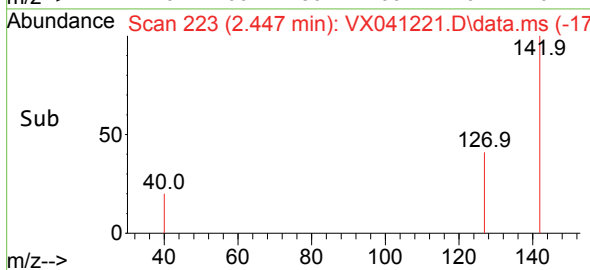
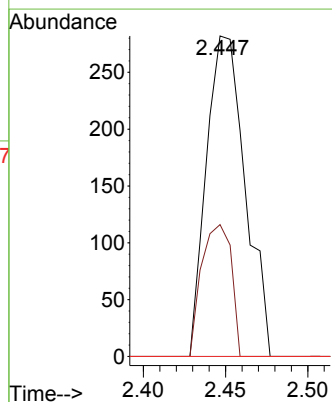
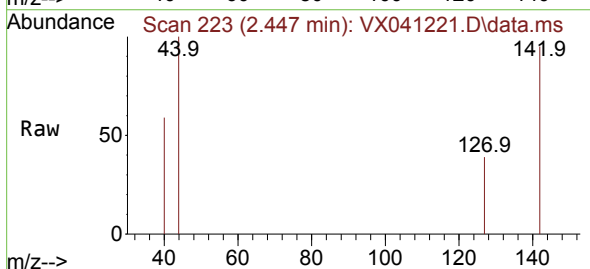
Instrument :
MSVOA_X
ClientSampleId :

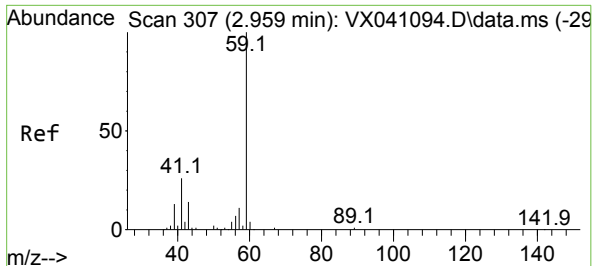
Tgt Ion: 94 Resp: 785
Ion Ratio Lower Upper
94 100
96 86.4 74.6 111.8



#10
Methyl Iodide
Concen: 0.241 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

Tgt Ion: 142 Resp: 462
Ion Ratio Lower Upper
142 100
127 31.6 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 3.153 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.116 min

Lab File: VX041221.D

Acq: 23 Apr 2024 17:36

Instrument :

MSVOA_X

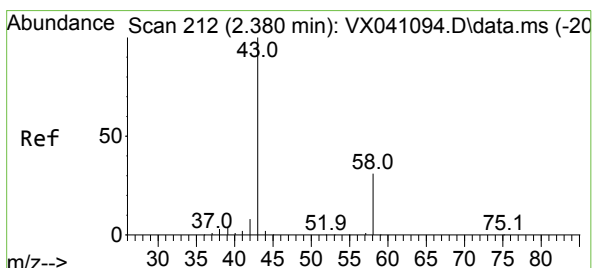
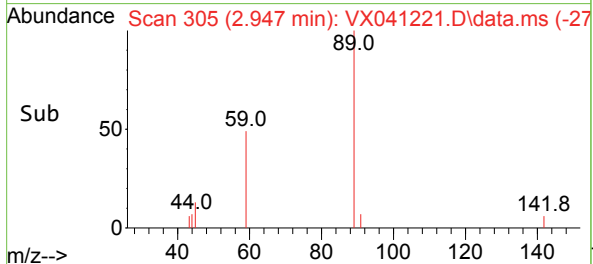
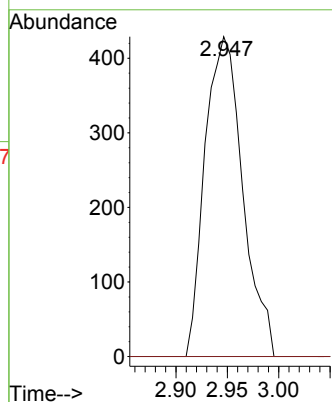
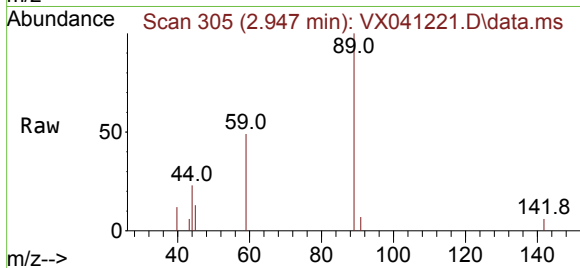
ClientSampleId :

Tgt Ion: 59 Resp: 1096

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.587 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX041221.D

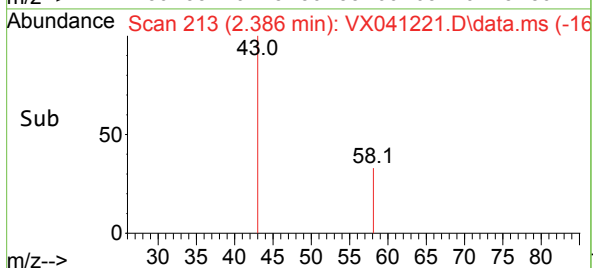
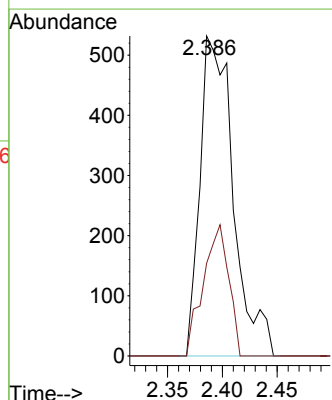
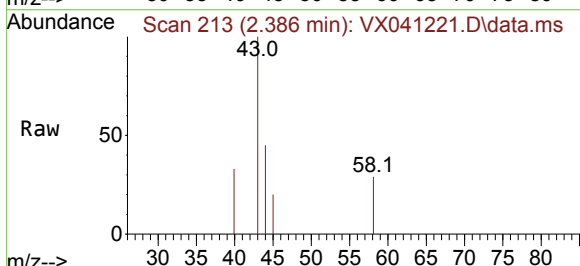
Acq: 23 Apr 2024 17:36

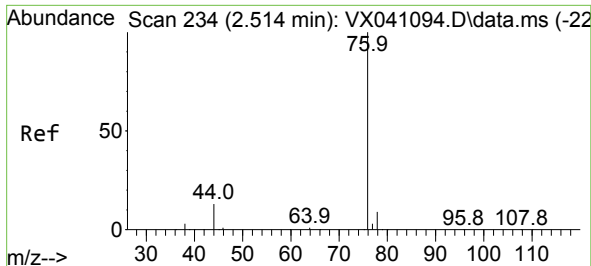
Tgt Ion: 43 Resp: 1121

Ion Ratio Lower Upper

43 100

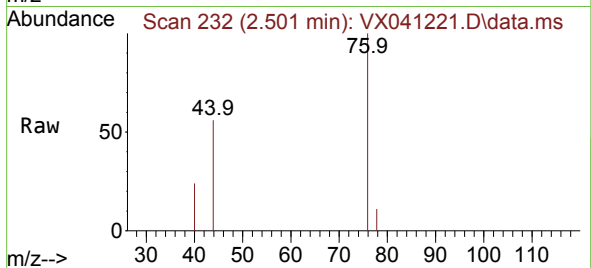
58 28.9 21.9 32.9



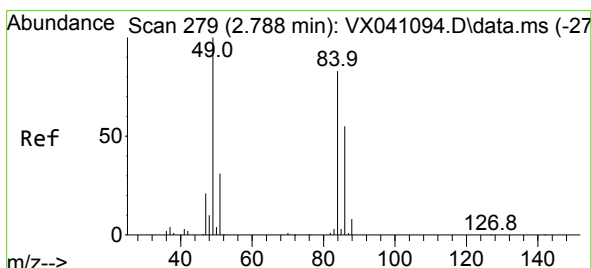
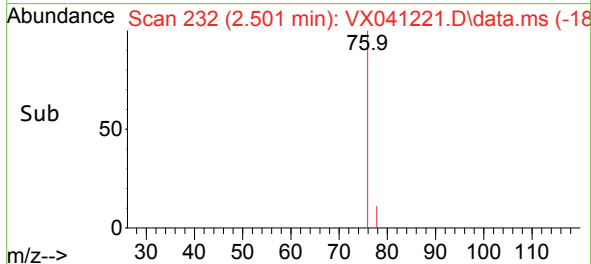
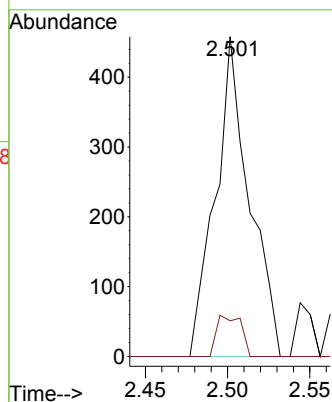


#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

Instrument :
MSVOA_X
ClientSampleId :

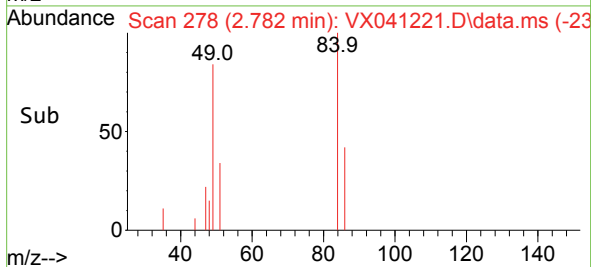
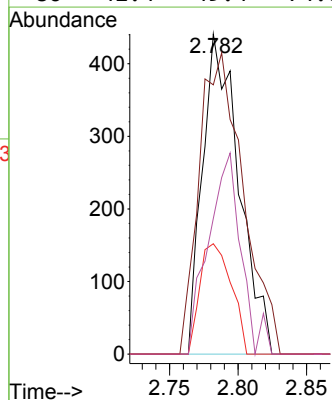
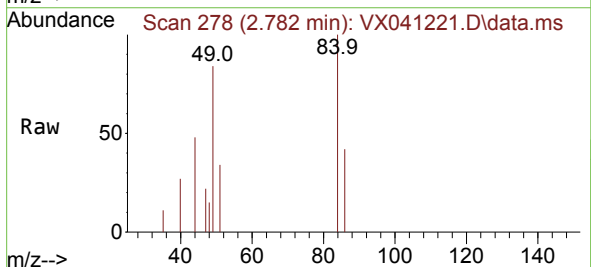


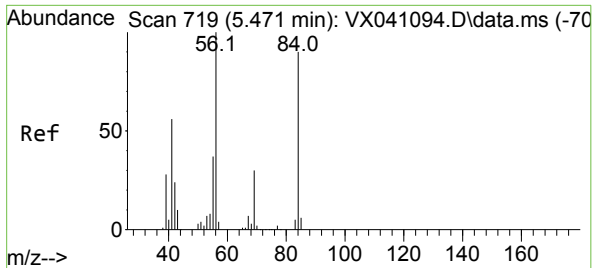
Tgt Ion: 76 Resp: 658
Ion Ratio Lower Upper
76 100
78 11.1 7.0 10.6#



#20
Methylene Chloride
Concen: 0.472 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

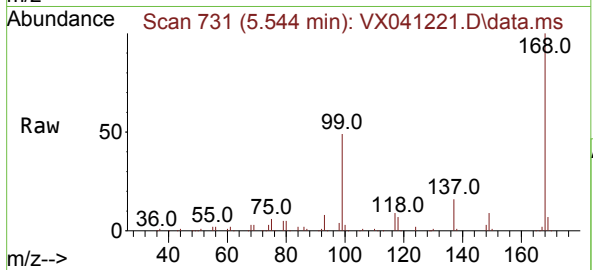
Tgt Ion: 84 Resp: 814
Ion Ratio Lower Upper
84 100
49 84.1 103.6 155.4#
51 34.5 33.8 50.6
86 42.4 49.4 74.0#



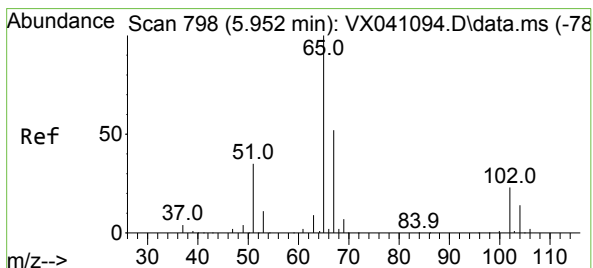
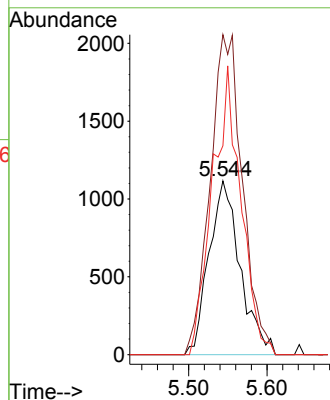
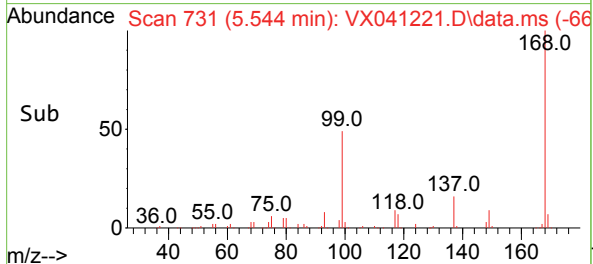


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

Instrument :
MSVOA_X
ClientSampleId :

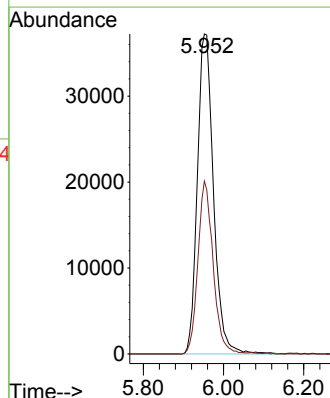
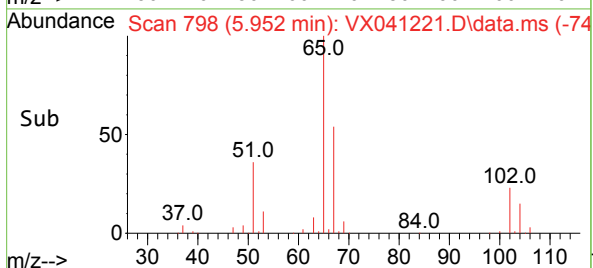
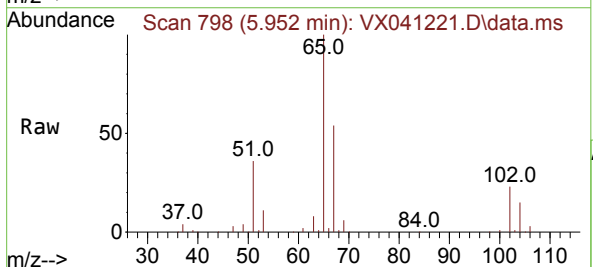


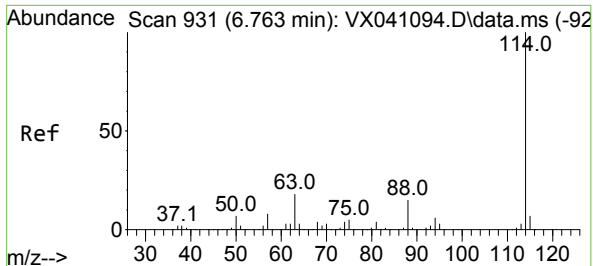
Tgt Ion: 56 Resp: 3089
Ion Ratio Lower Upper
56 100
69 184.2 23.4 35.2#
84 120.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 53.618 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

Tgt Ion: 65 Resp: 104040
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX041221.D

Acq: 23 Apr 2024 17:36

Instrument :

MSVOA_X

ClientSampleId :

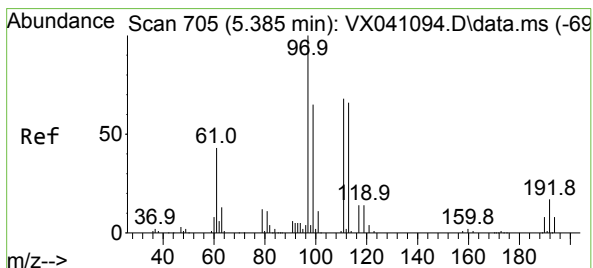
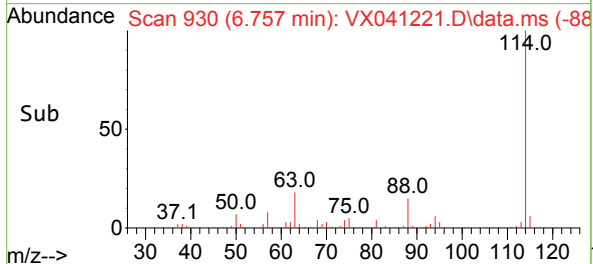
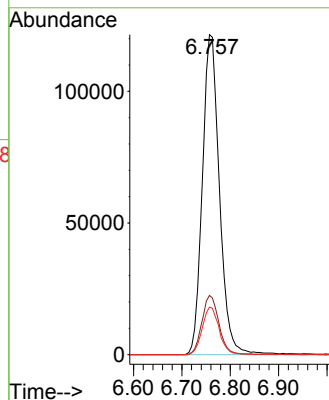
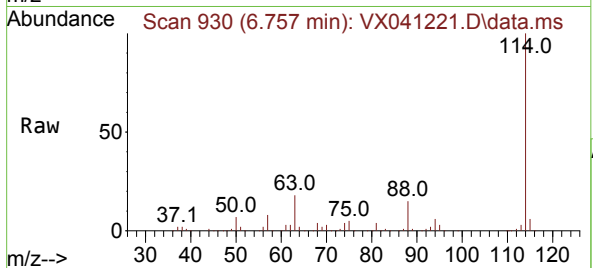
Tgt Ion:114 Resp: 298269

Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

88 14.9 0.0 36.6



#35

Dibromofluoromethane

Concen: 50.581 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX041221.D

Acq: 23 Apr 2024 17:36

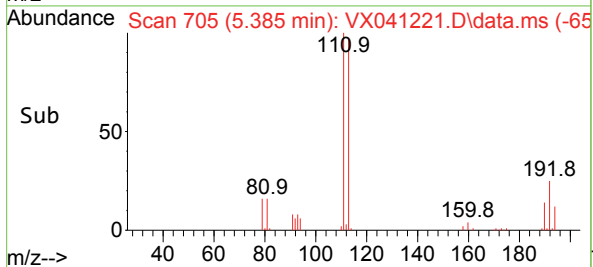
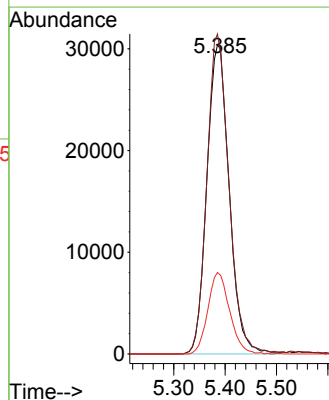
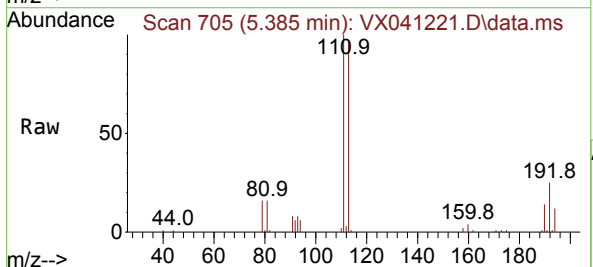
Tgt Ion:113 Resp: 91771

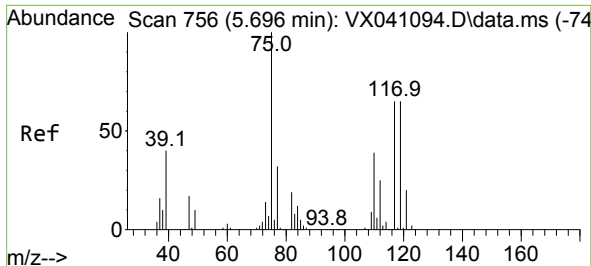
Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

192 25.7 13.3 19.9#

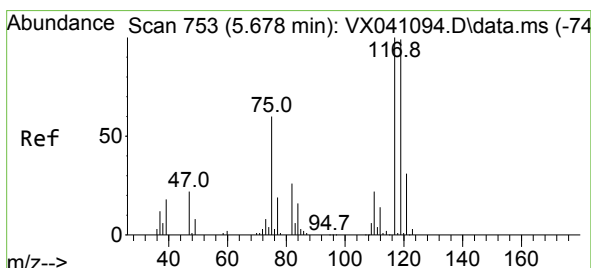
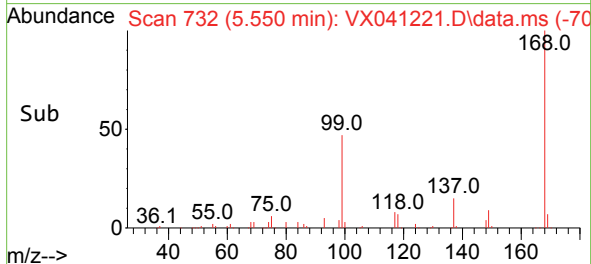
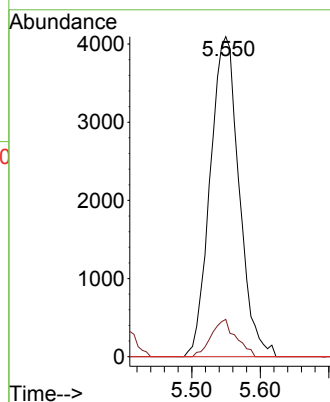
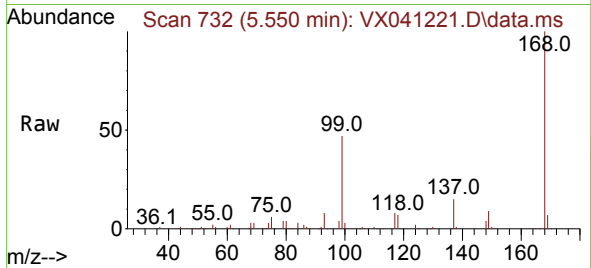




#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

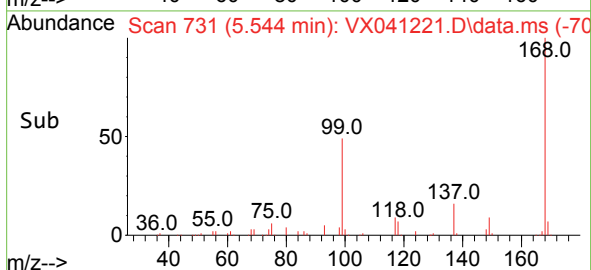
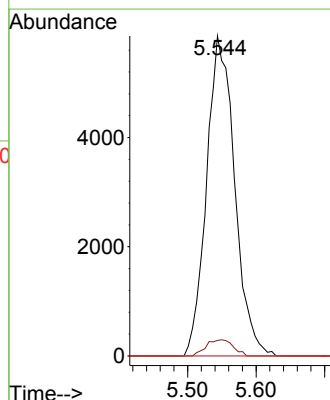
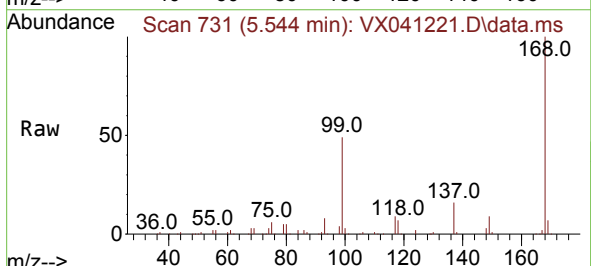
Instrument :
MSVOA_X
ClientSampleId :

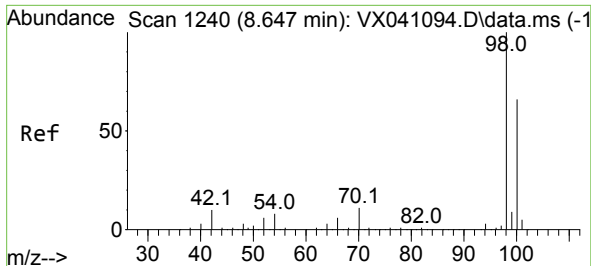
Tgt Ion: 75 Resp: 12002
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.424 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

Tgt Ion: 117 Resp: 16657
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

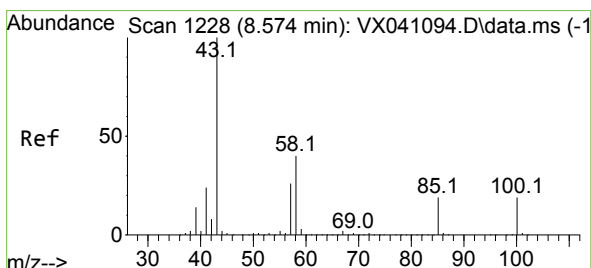
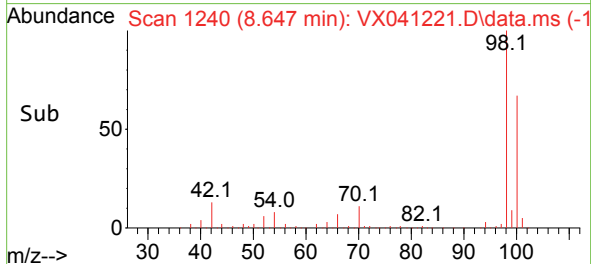
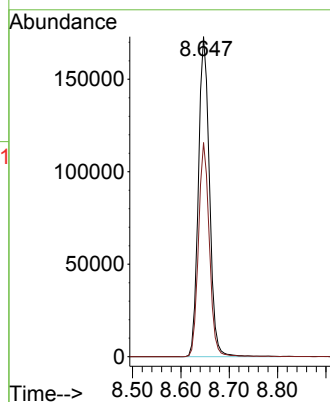
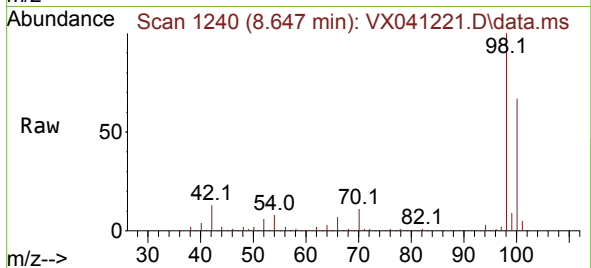




#50
Toluene-d8
Concen: 44.753 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

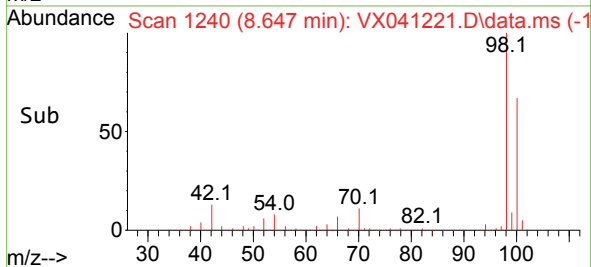
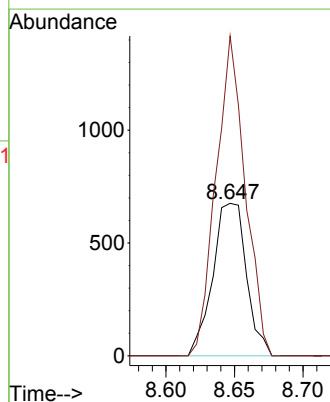
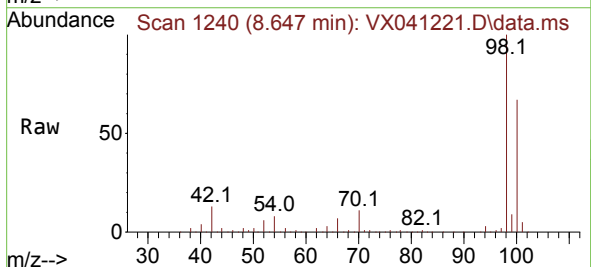
Instrument :
MSVOA_X
ClientSampleId :

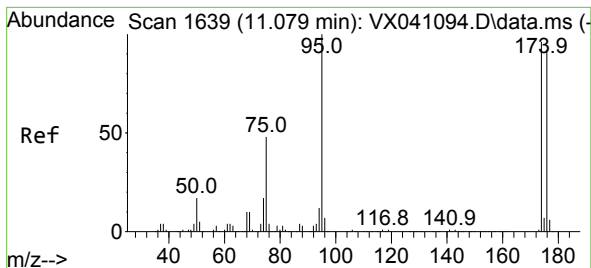
Tgt Ion: 98 Resp: 273951
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041221.D
Acq: 23 Apr 2024 17:36

Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
58 181.8 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 54.724 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041221.D

Acq: 23 Apr 2024 17:36

Instrument :

MSVOA_X

ClientSampleId :

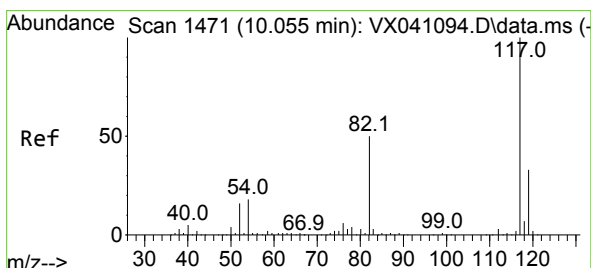
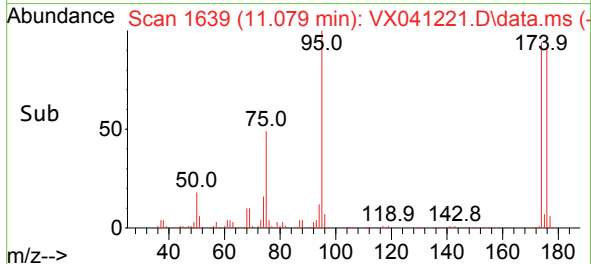
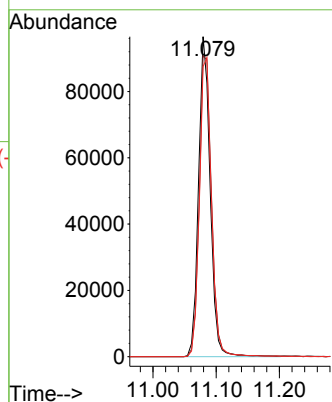
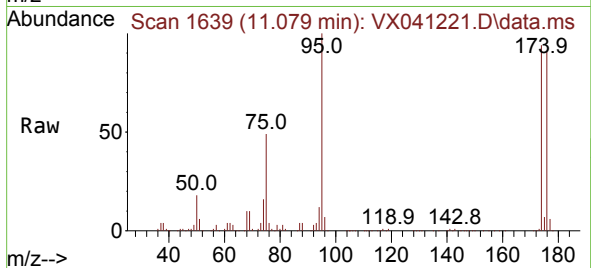
Tgt Ion: 95 Resp: 123642

Ion Ratio Lower Upper

95 100

174 98.8 0.0 135.6

176 96.8 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX041221.D

Acq: 23 Apr 2024 17:36

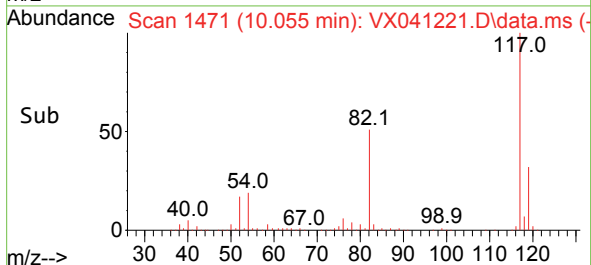
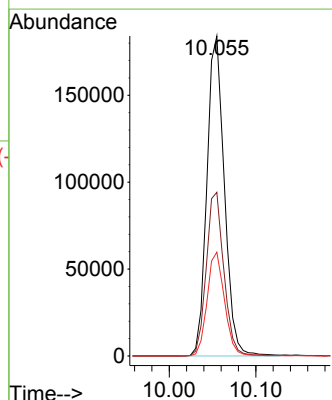
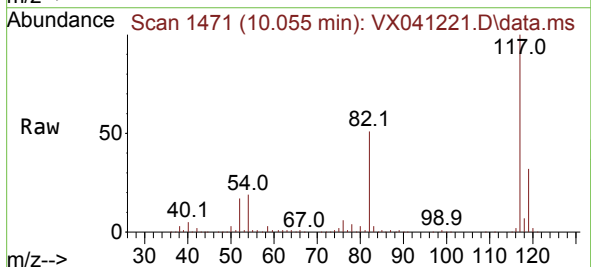
Tgt Ion: 117 Resp: 257721

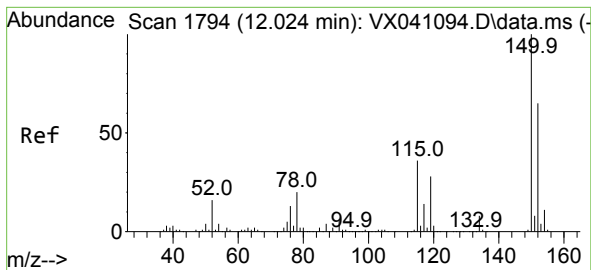
Ion Ratio Lower Upper

117 100

82 51.2 46.2 69.4

119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041221.D

Acq: 23 Apr 2024 17:36

Instrument :

MSVOA_X

ClientSampleId :

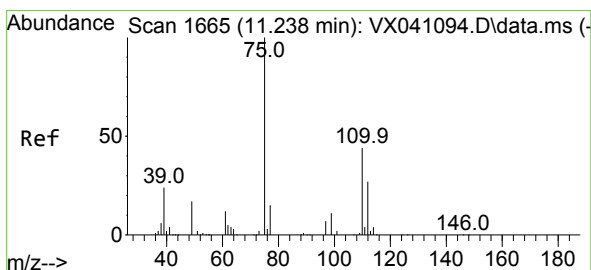
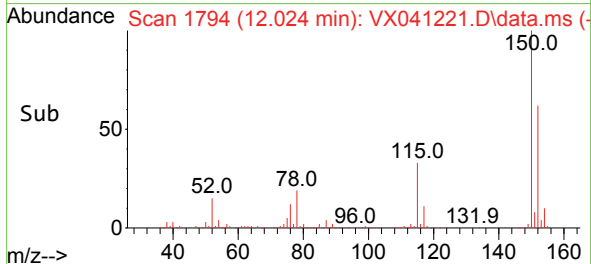
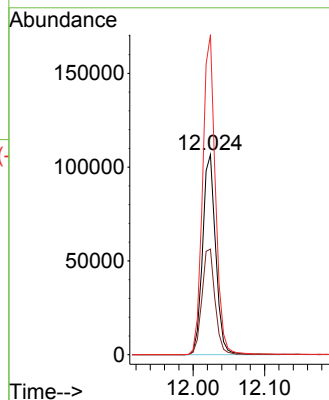
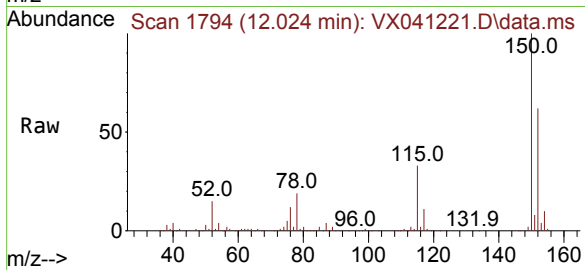
Tgt Ion:152 Resp: 135603

Ion Ratio Lower Upper

152 100

115 53.1 43.3 129.9

150 156.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.323 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041221.D

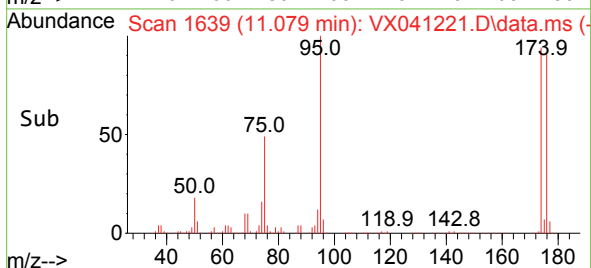
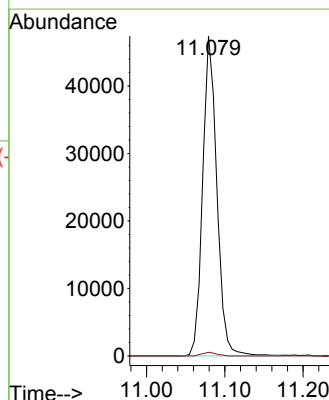
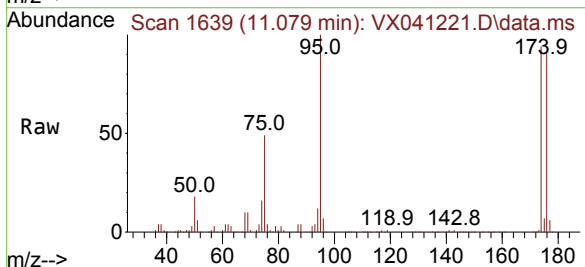
Acq: 23 Apr 2024 17:36

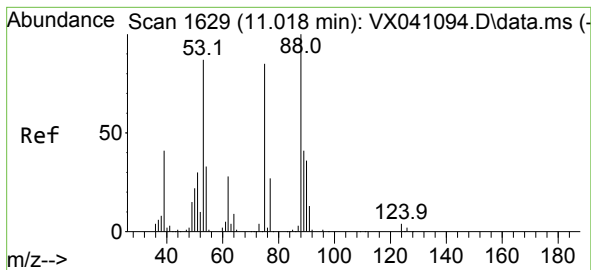
Tgt Ion: 75 Resp: 59696

Ion Ratio Lower Upper

75 100

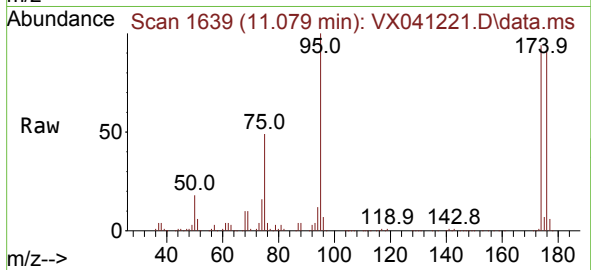
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.087 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041221.D
 Acq: 23 Apr 2024 17:36

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 59696
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

