

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040824\
 Data File : VX040920.D
 Acq On : 08 Apr 2024 11:29
 Operator : JC/MD
 Sample : P2002-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-06B-44-040424

Quant Time: Apr 09 02:46:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

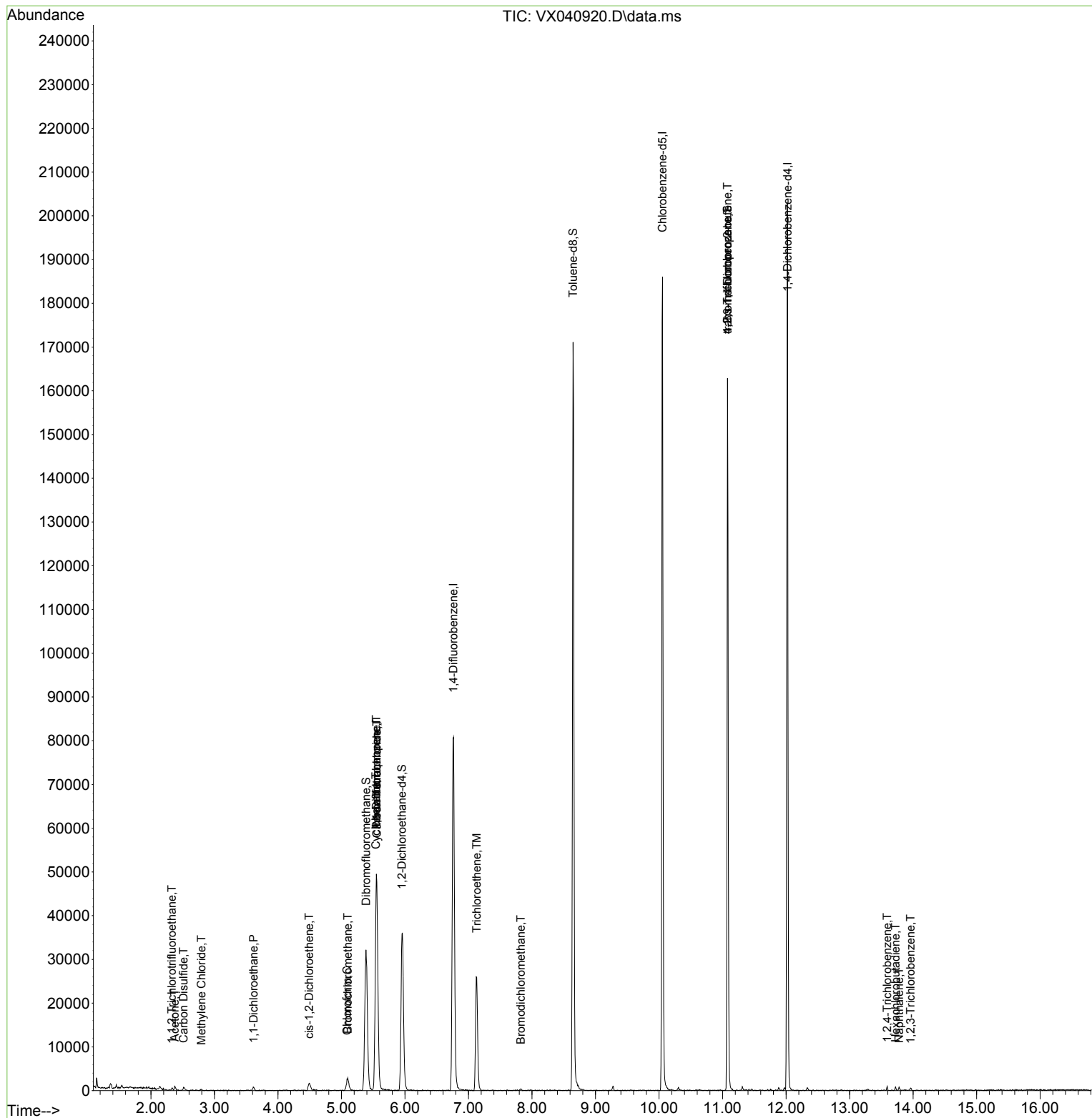
Internal Standards						
1) Pentafluorobenzene	5.550	168	43642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	79674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	77975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	38706	49.429	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.860%
35) Dibromofluoromethane	5.385	113	27188	48.177	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.360%
50) Toluene-d8	8.647	98	100396	49.233	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.460%
62) 4-Bromofluorobenzene	11.079	95	40071	49.207	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.420%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	228	0.438	ug/l #	44
16) Acetone	2.373	43	939	3.088	ug/l	91
17) Carbon Disulfide	2.514	76	705	0.499	ug/l #	76
20) Methylene Chloride	2.794	84	145	0.257	ug/l #	64
24) 1,1-Dichloroethane	3.617	63	1114	1.146	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1159	1.946	ug/l	84
28) Bromochloromethane	5.099	49	230	0.526	ug/l #	16
30) Chloroform	5.086	83	3288	3.106	ug/l	93
31) Cyclohexane	5.544	56	1101	1.325	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	3974	4.956	ug/l #	47
38) Carbon Tetrachloride	5.556	117	4829	5.440	ug/l #	16
44) Trichloroethene	7.129	130	9586	17.246	ug/l	93
47) Bromodichloromethane	7.824	83	338	0.373	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	23403	28.250	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23403	76.220	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	236	0.270	ug/l	96
94) Hexachlorobutadiene	13.725	225	187	0.558	ug/l	95
95) Naphthalene	13.780	128	707	0.251	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.963	180	218	0.261	ug/l	82

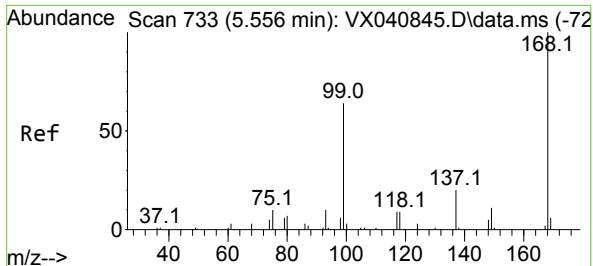
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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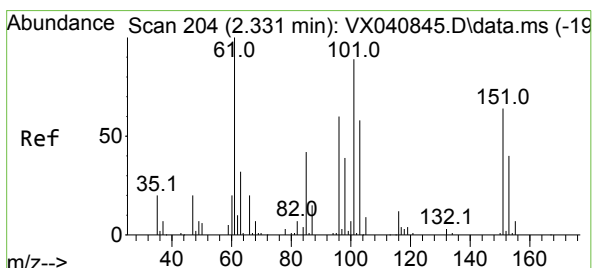
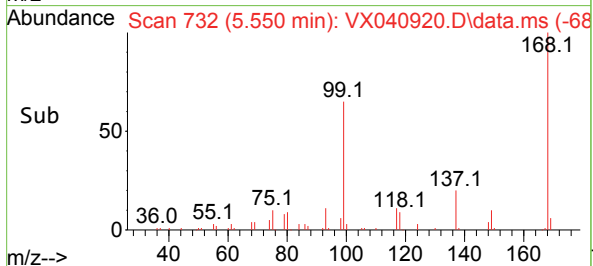
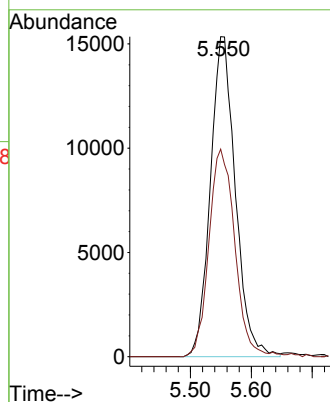
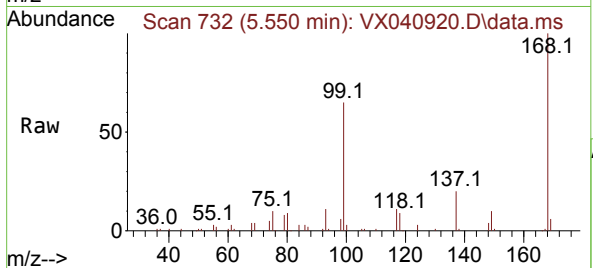




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

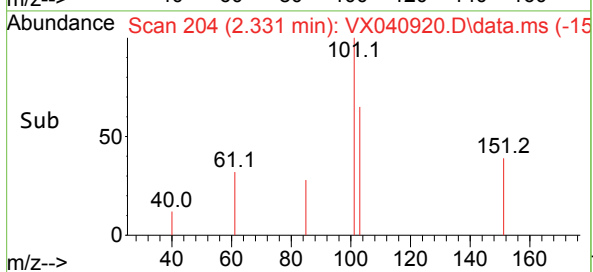
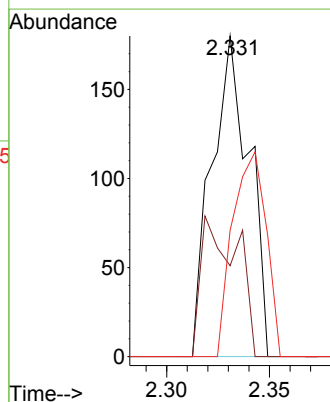
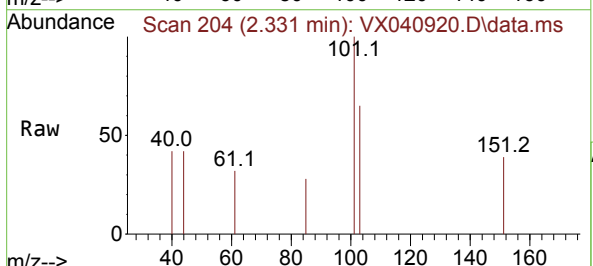
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-44-040424

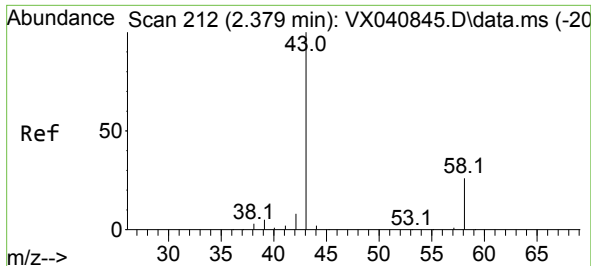
Tgt Ion:168 Resp: 43642
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.438 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

Tgt Ion:101 Resp: 228
Ion Ratio Lower Upper
101 100
85 42.1 37.0 55.6
151 0.0 58.6 87.8#

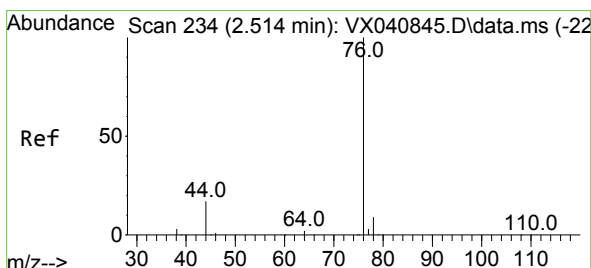
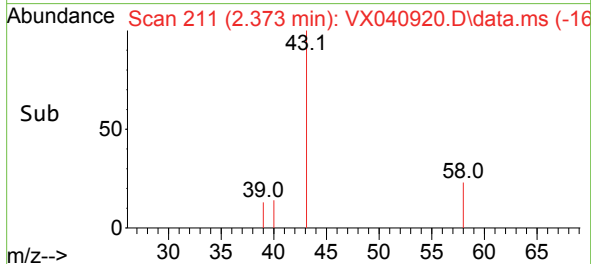
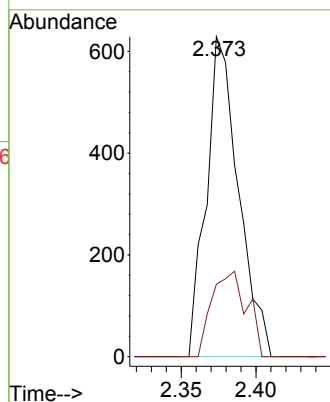
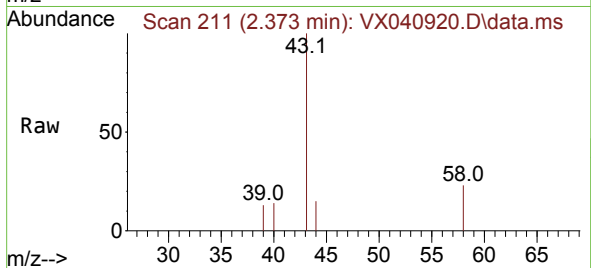




#16
Acetone
Concen: 3.088 ug/l
RT: 2.373 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

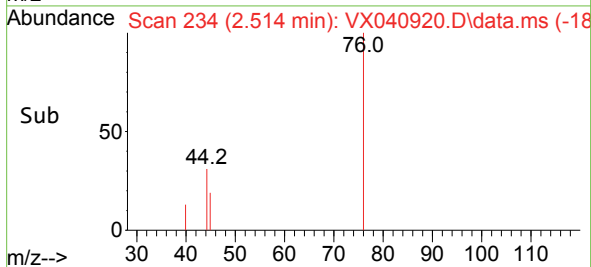
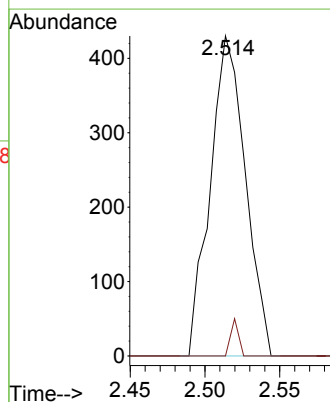
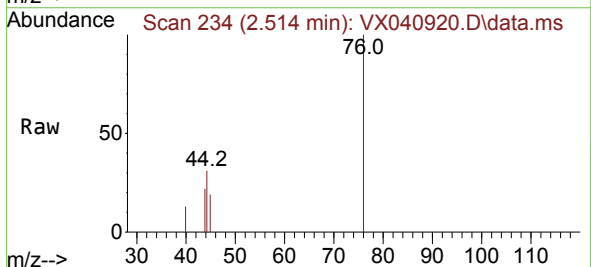
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-44-040424

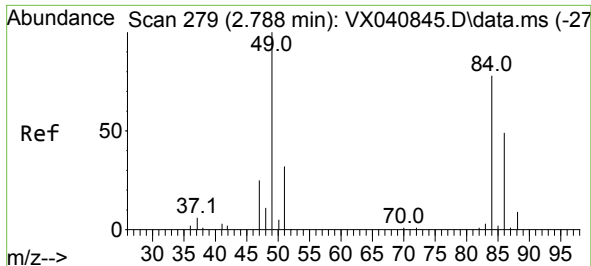
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
58 22.6 21.9 32.9



#17
Carbon Disulfide
Concen: 0.499 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

Tgt Ion: 76 Resp: 705
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

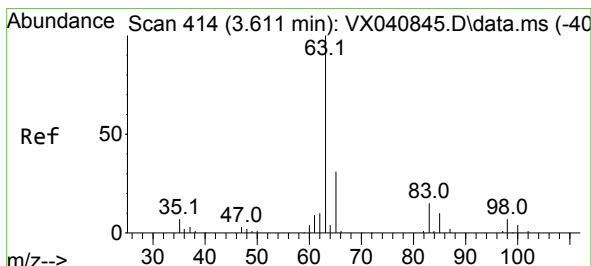
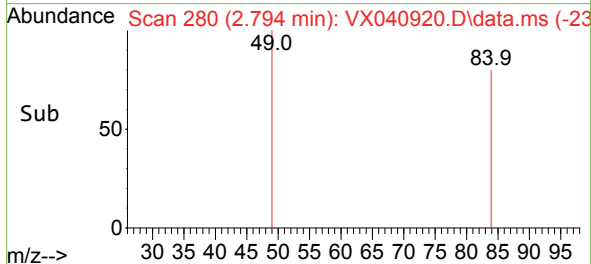
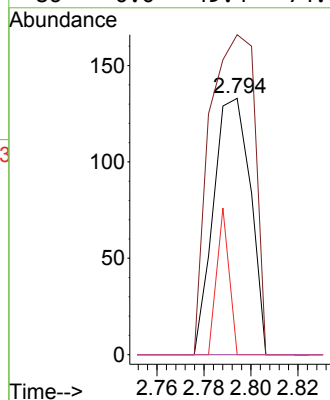
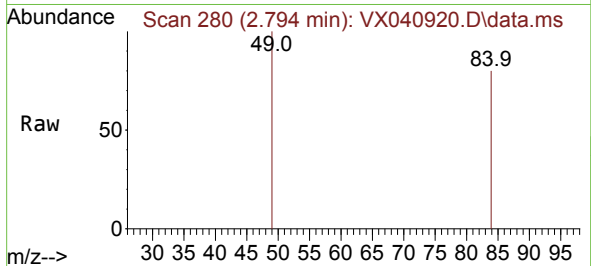




#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

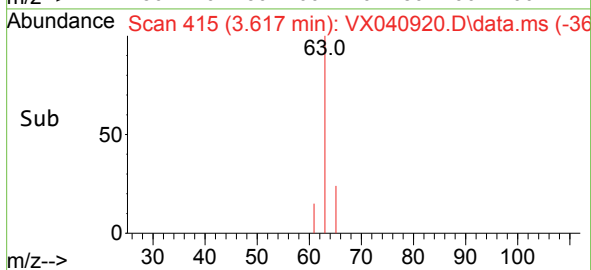
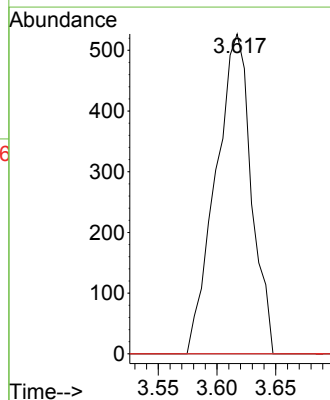
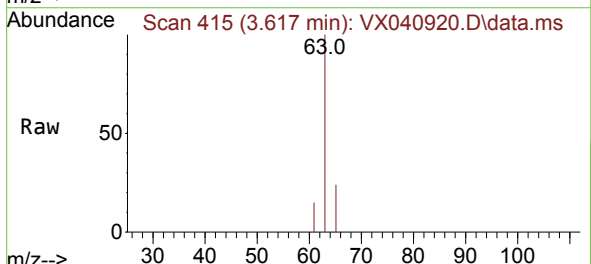
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-44-040424

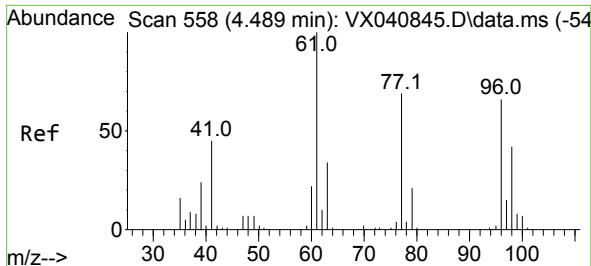
Tgt Ion:	84	Resp:	145
Ion	Ratio	Lower	Upper
84	100		
49	124.8	103.6	155.4
51	0.0	33.8	50.6#
86	0.0	49.4	74.0#



#24
1,1-Dichloroethane
Concen: 1.146 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

Tgt Ion:	63	Resp:	1114
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#





#27

cis-1,2-Dichloroethene

Concen: 1.946 ug/l

RT: 4.489 min Scan# 511

Delta R.T. 0.000 min

Lab File: VX040920.D

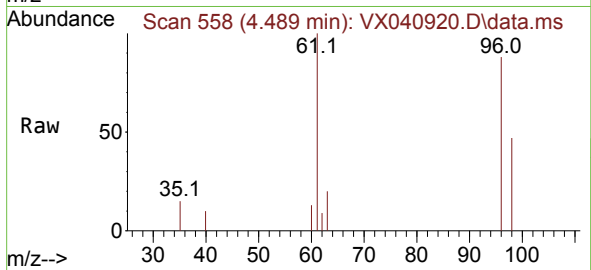
Acq: 08 Apr 2024 11:29

Instrument :

MSVOA_X

ClientSampleId :

RMW-06B-44-040424



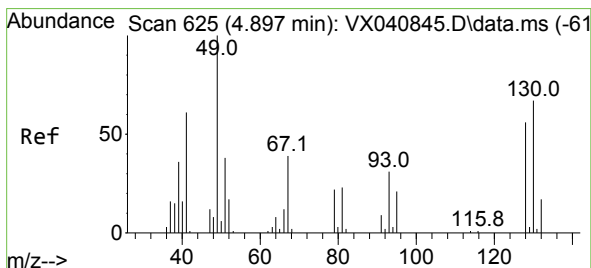
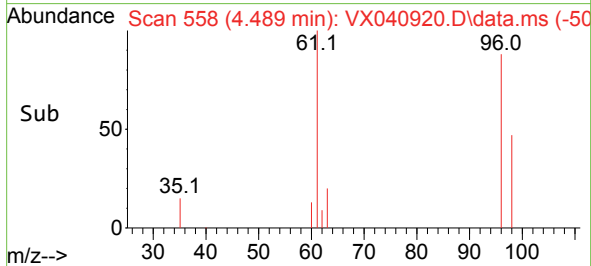
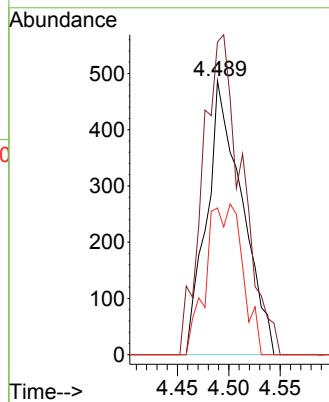
Tgt Ion: 96 Resp: 1159

Ion Ratio Lower Upper

96 100

61 131.0 0.0 312.2

98 57.1 0.0 129.0



#28

Bromochloromethane

Concen: 0.526 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.201 min

Lab File: VX040920.D

Acq: 08 Apr 2024 11:29

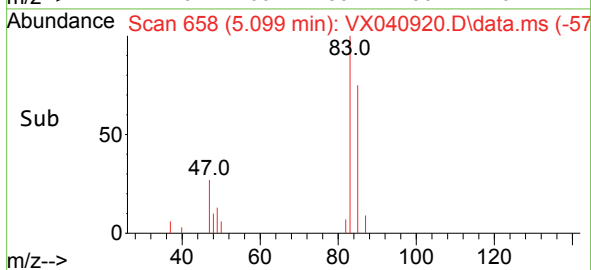
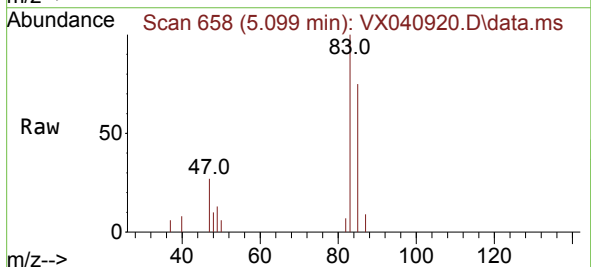
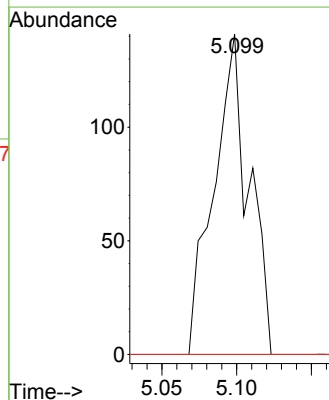
Tgt Ion: 49 Resp: 230

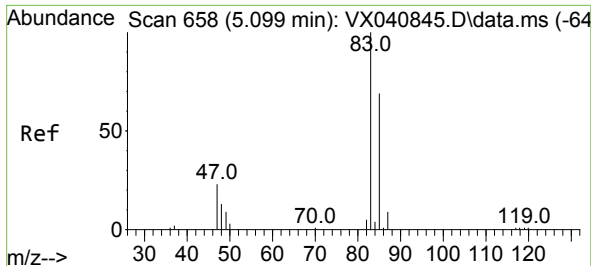
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#





#30

Chloroform

Concen: 3.106 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX040920.D

Acq: 08 Apr 2024 11:29

Instrument :

MSVOA_X

ClientSampleId :

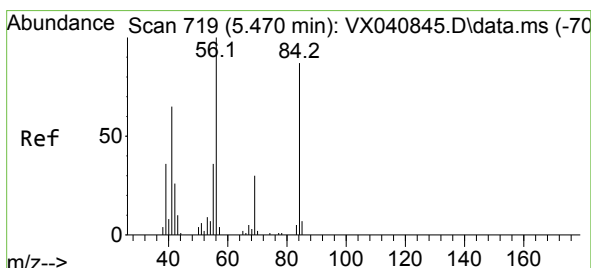
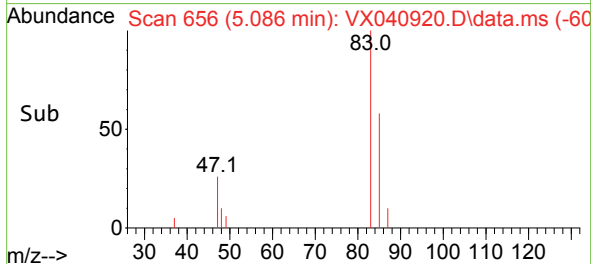
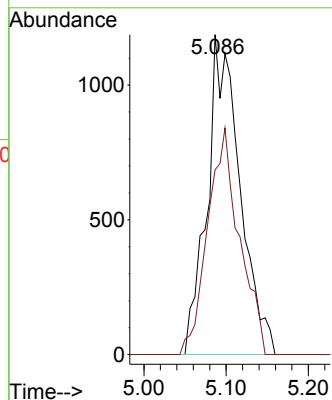
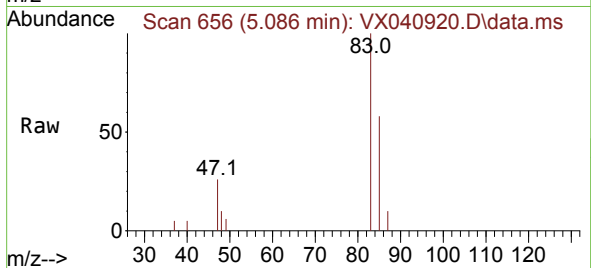
RMW-06B-44-040424

Tgt Ion: 83 Resp: 3288

Ion Ratio Lower Upper

83 100

85 57.8 50.3 75.5



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX040920.D

Acq: 08 Apr 2024 11:29

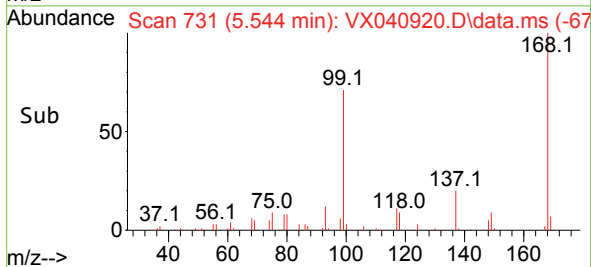
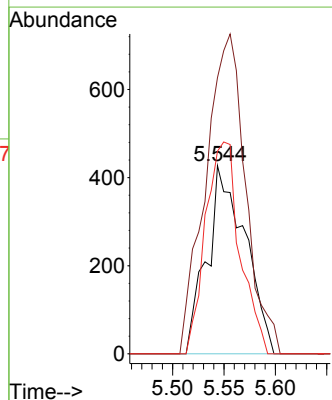
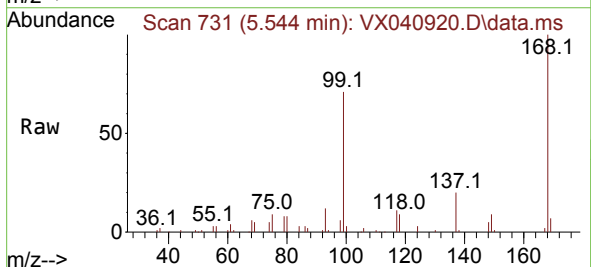
Tgt Ion: 56 Resp: 1101

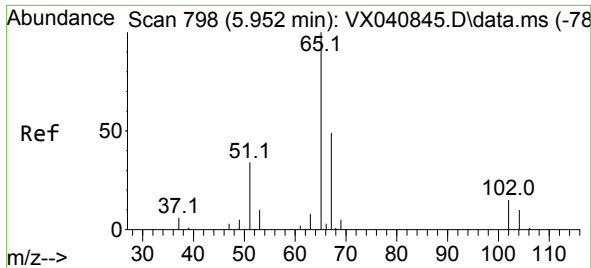
Ion Ratio Lower Upper

56 100

69 146.8 23.4 35.2#

84 107.7 65.9 98.9#

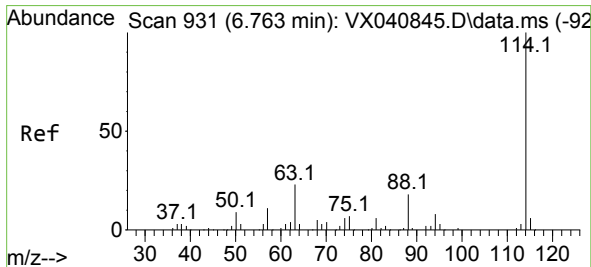
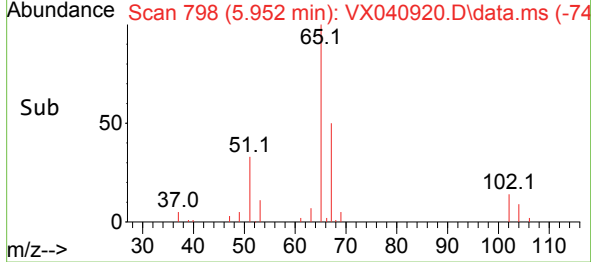
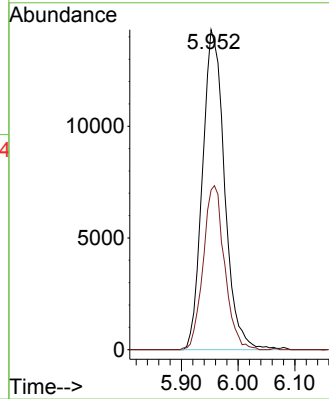
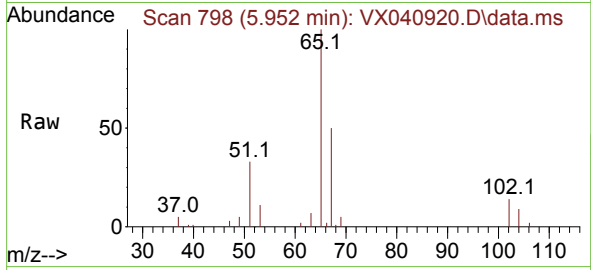




#33
 1,2-Dichloroethane-d4
 Concen: 49.429 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX040920.D
 Acq: 08 Apr 2024 11:29

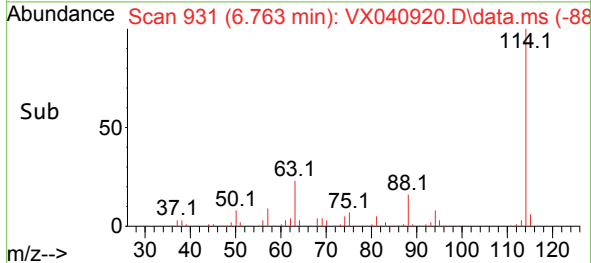
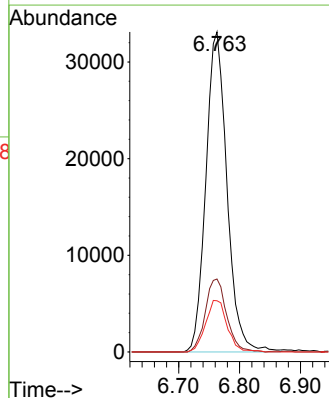
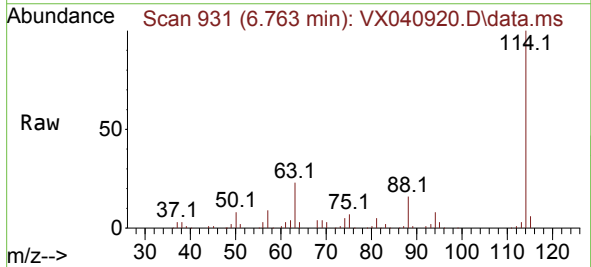
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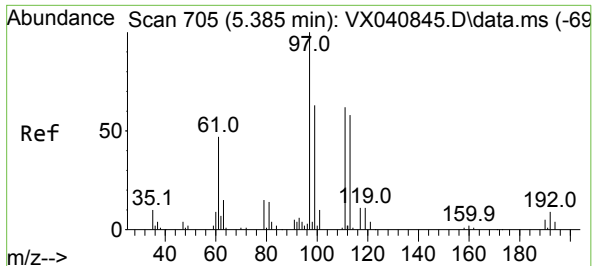
Tgt Ion: 65 Resp: 38706
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040920.D
 Acq: 08 Apr 2024 11:29

Tgt Ion: 114 Resp: 79674
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 16.0 0.0 36.6

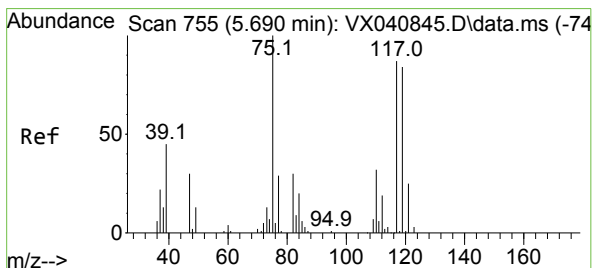
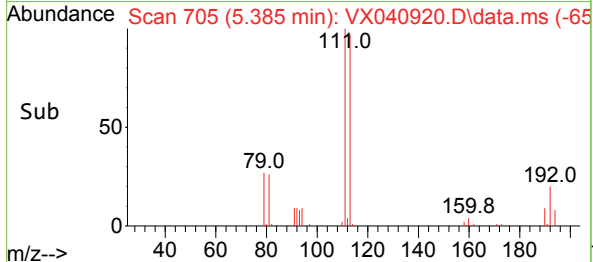
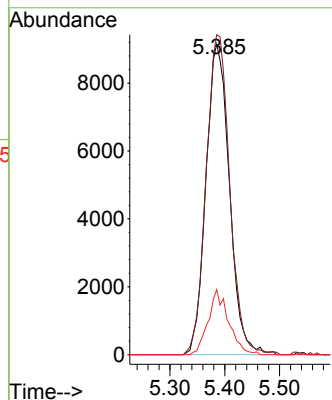
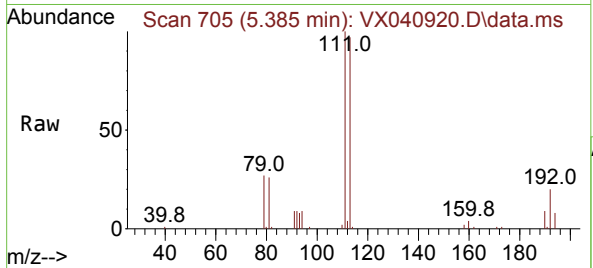




#35
Dibromofluoromethane
Concen: 48.177 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

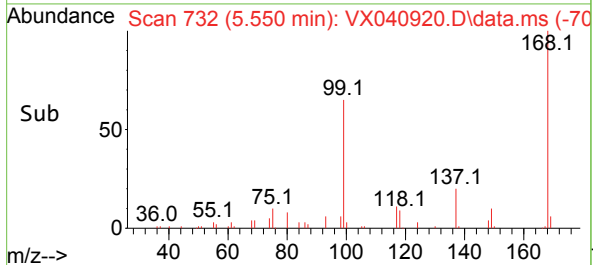
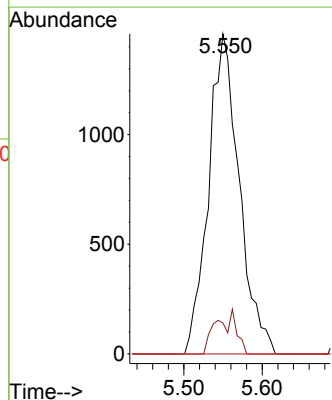
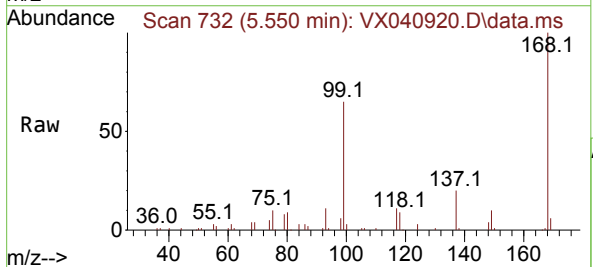
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-44-040424

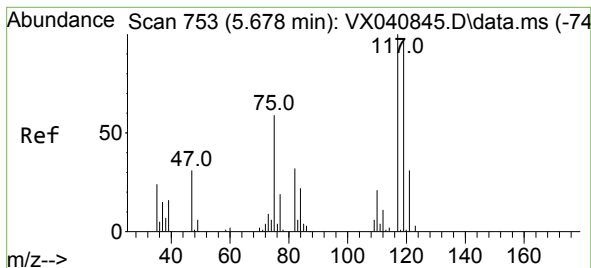
Tgt Ion:113 Resp: 27188
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

Tgt Ion: 75 Resp: 3974
Ion Ratio Lower Upper
75 100
110 5.7 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.440 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX040920.D

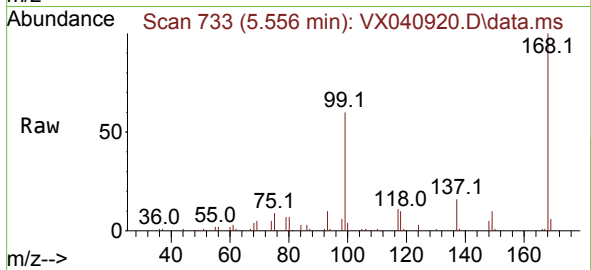
Acq: 08 Apr 2024 11:29

Instrument :

MSVOA_X

ClientSampleId :

RMW-06B-44-040424



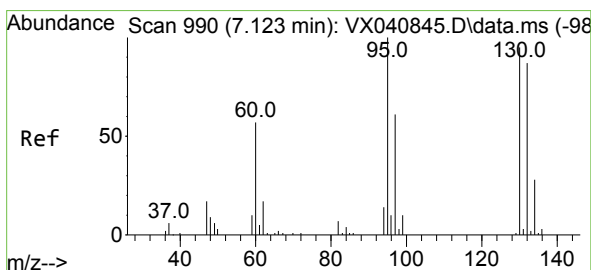
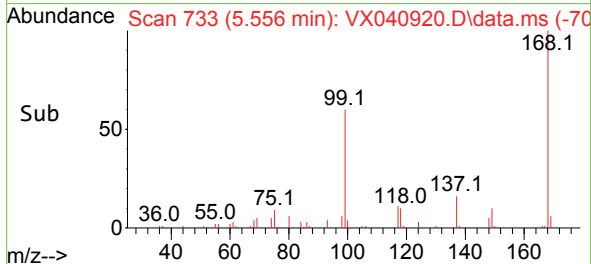
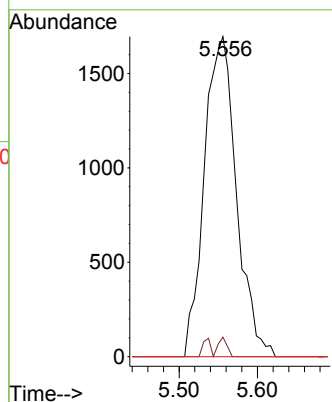
Tgt Ion:117 Resp: 4829

Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 17.246 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX040920.D

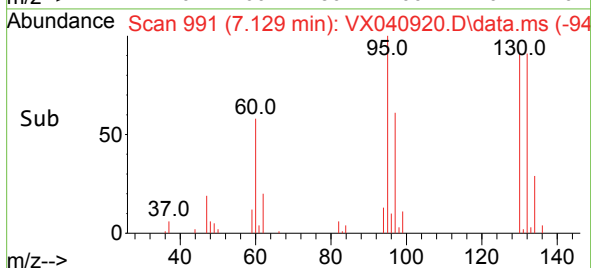
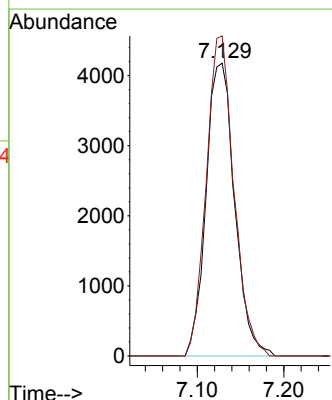
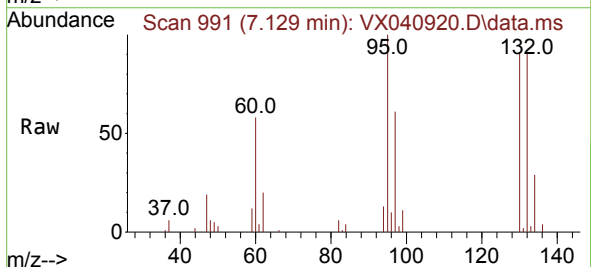
Acq: 08 Apr 2024 11:29

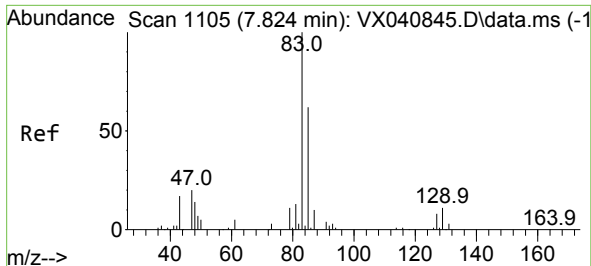
Tgt Ion:130 Resp: 9586

Ion Ratio Lower Upper

130 100

95 109.3 0.0 204.4

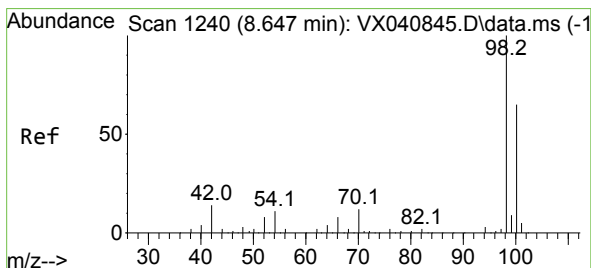
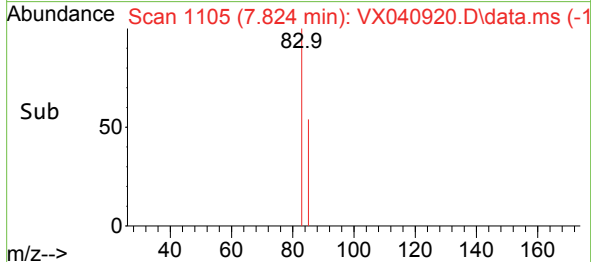
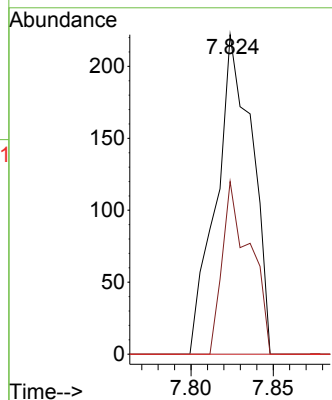
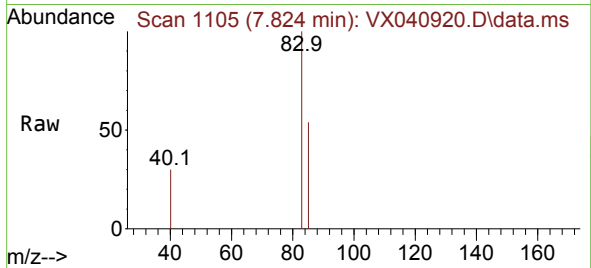




#47
Bromodichloromethane
Concen: 0.373 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

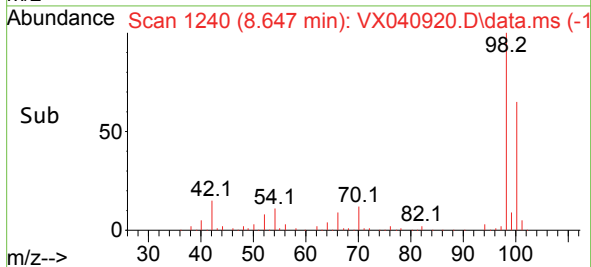
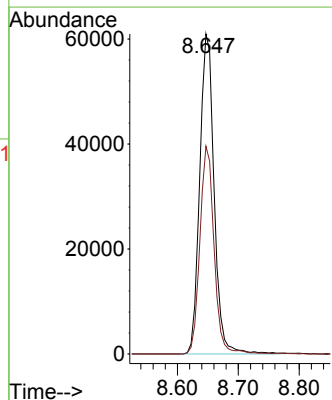
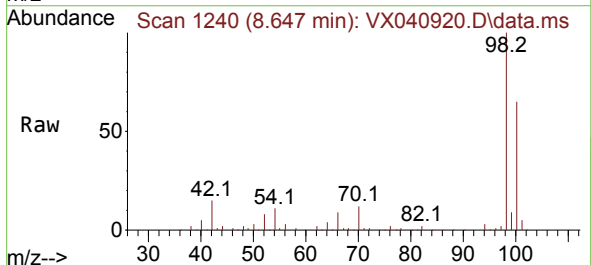
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-44-040424

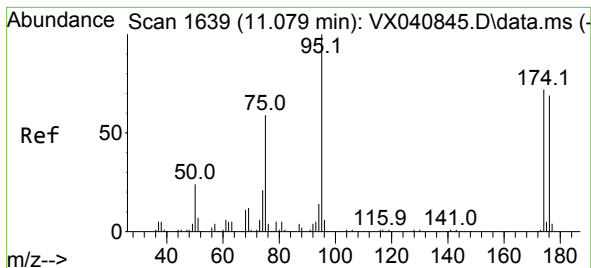
Tgt Ion: 83 Resp: 338
Ion Ratio Lower Upper
83 100
85 54.1 49.8 74.6
127 0.0 7.1 10.7#



#50
Toluene-d8
Concen: 49.233 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

Tgt Ion: 98 Resp: 100396
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

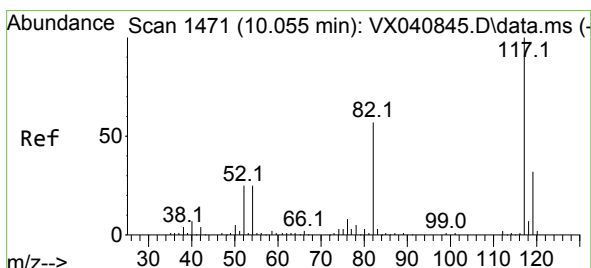
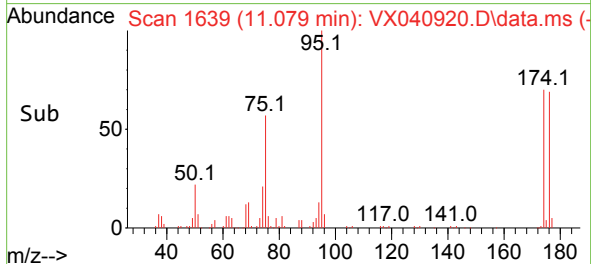
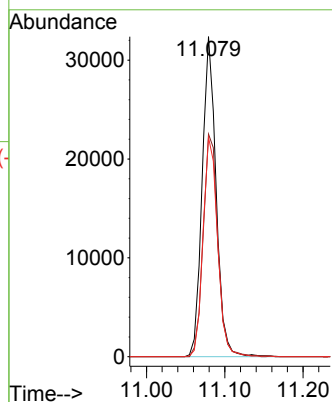
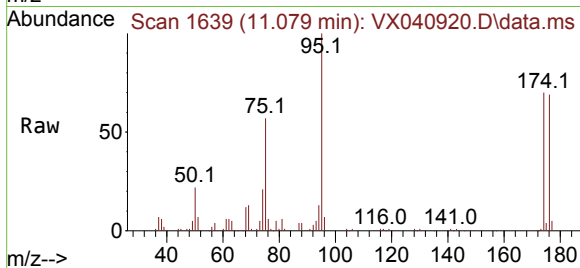




#62
4-Bromofluorobenzene
Concen: 49.207 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

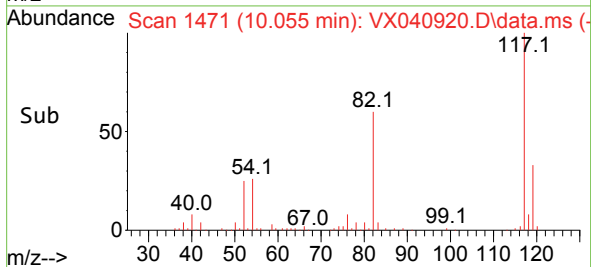
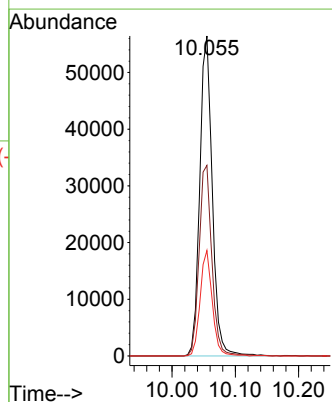
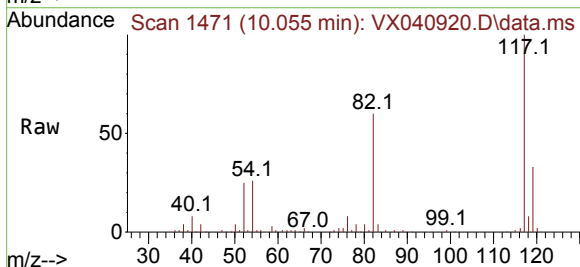
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-44-040424

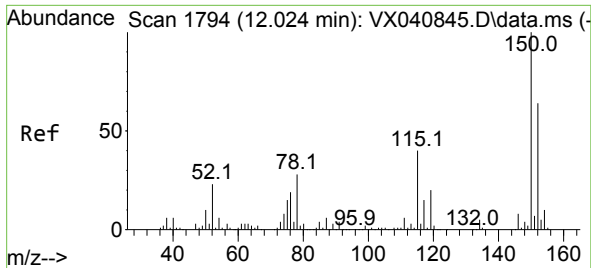
Tgt Ion: 95 Resp: 40071
Ion Ratio Lower Upper
95 100
174 72.9 0.0 135.6
176 71.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

Tgt Ion: 117 Resp: 77975
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 32.9 25.5 38.3

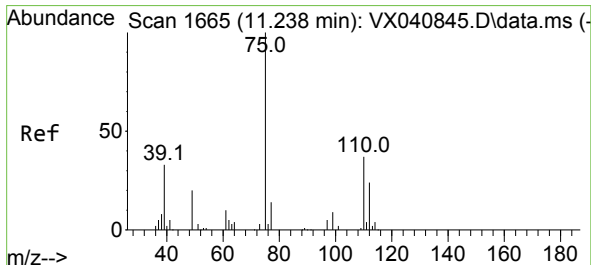
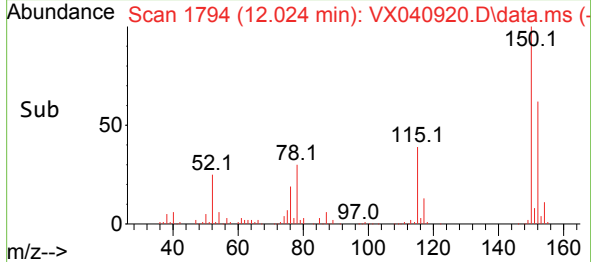
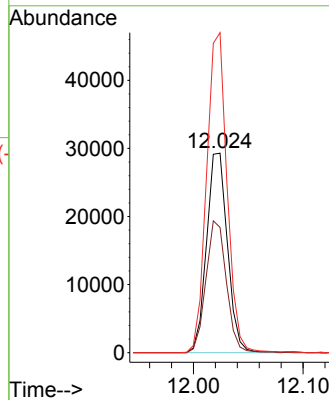
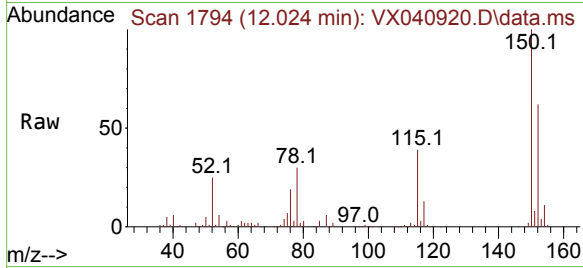




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040920.D
 Acq: 08 Apr 2024 11:29

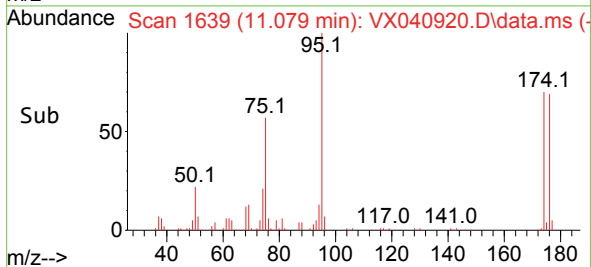
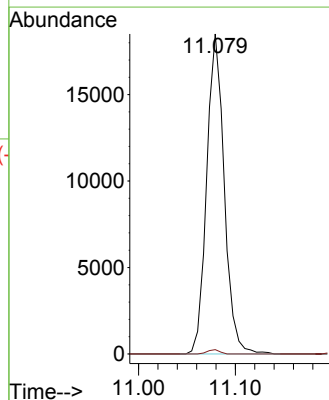
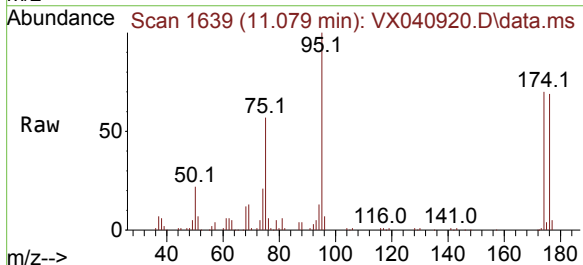
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-06B-44-040424

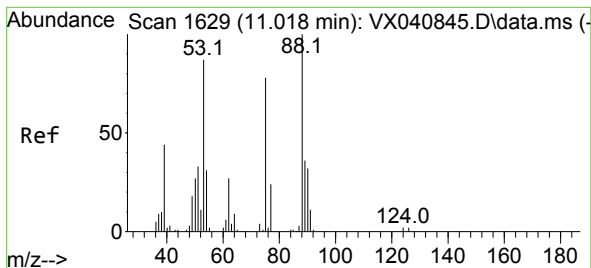
Tgt Ion:152 Resp: 38849
 Ion Ratio Lower Upper
 152 100
 115 64.7 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 28.250 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040920.D
 Acq: 08 Apr 2024 11:29

Tgt Ion: 75 Resp: 23403
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

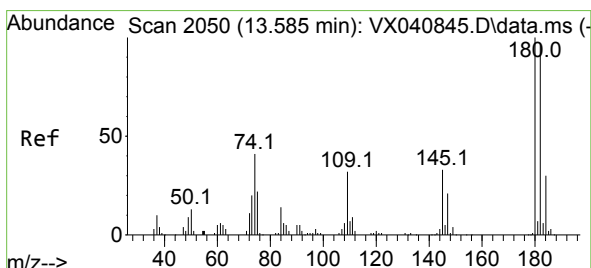
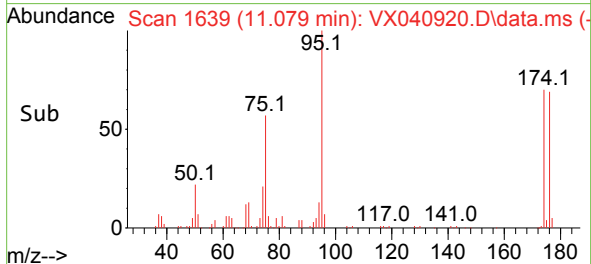
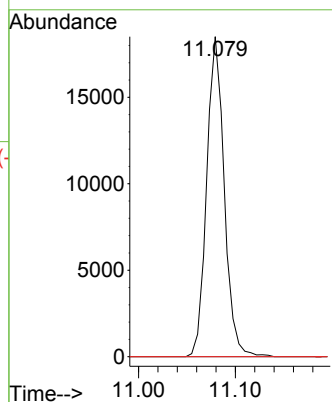
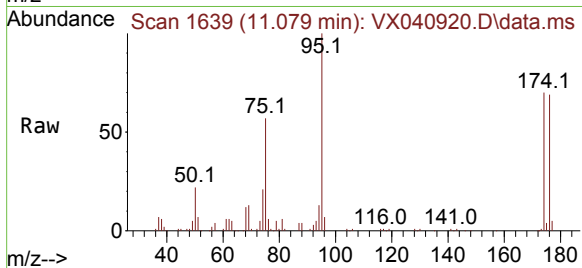




#81
trans-1,4-Dichloro-2-butene
Concen: 76.220 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

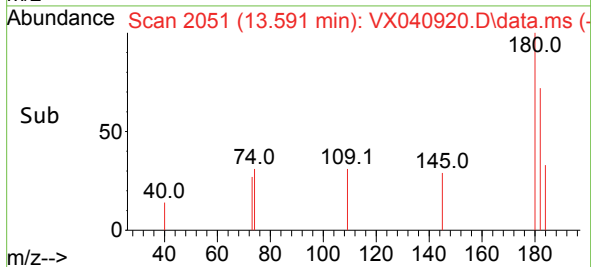
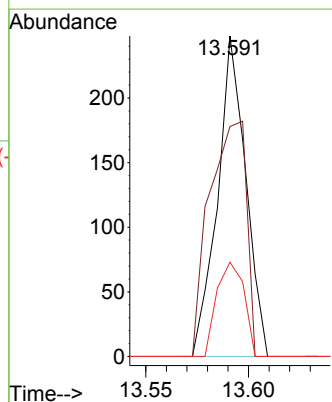
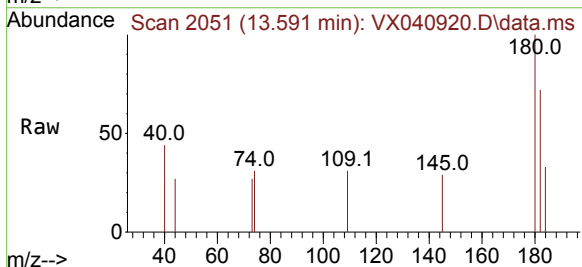
Instrument :
MSVOA_X
ClientSampleId :
RMW-06B-44-040424

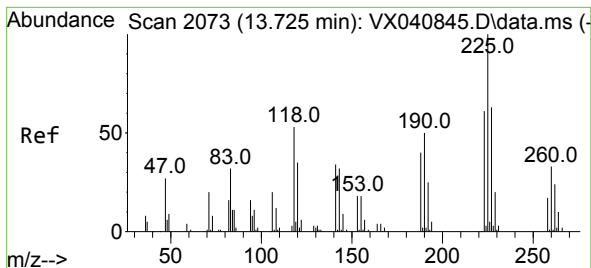
Tgt Ion: 75 Resp: 23403
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.270 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040920.D
Acq: 08 Apr 2024 11:29

Tgt Ion: 180 Resp: 236
Ion Ratio Lower Upper
180 100
182 96.2 48.3 144.8
145 28.4 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.558 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX040920.D

Acq: 08 Apr 2024 11:29

Instrument :

MSVOA_X

ClientSampleId :

RMW-06B-44-040424

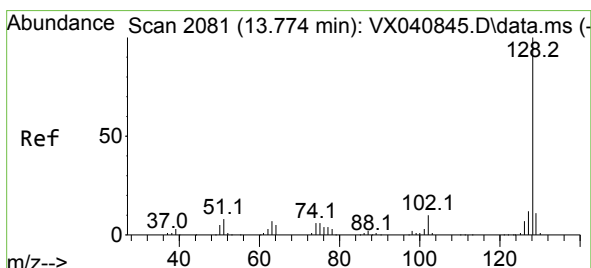
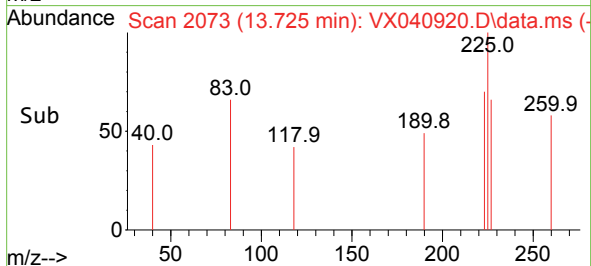
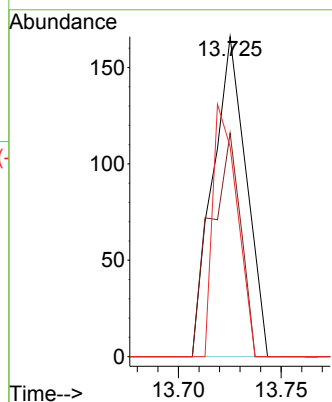
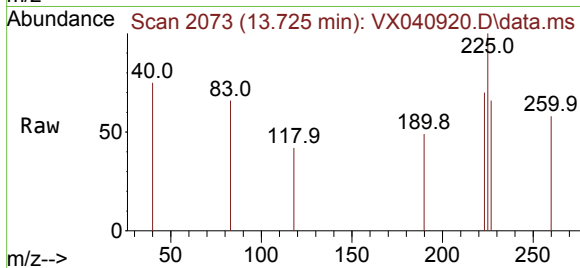
Tgt Ion:225 Resp: 187

Ion Ratio Lower Upper

225 100

223 62.6 31.1 93.2

227 57.8 32.5 97.5



#95

Naphthalene

Concen: 0.251 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040920.D

Acq: 08 Apr 2024 11:29

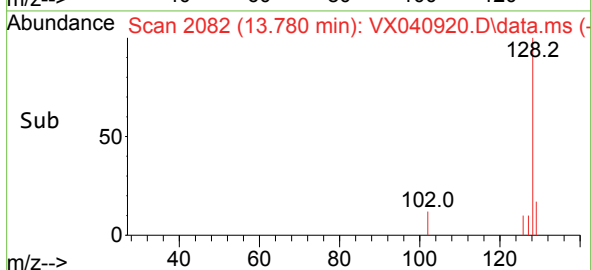
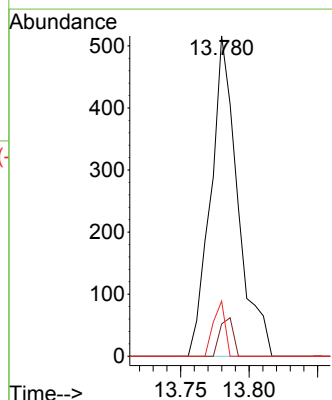
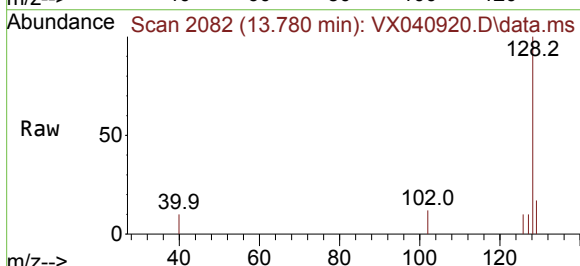
Tgt Ion:128 Resp: 707

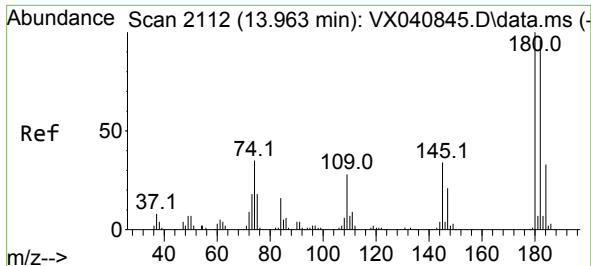
Ion Ratio Lower Upper

128 100

127 5.9 10.3 15.5#

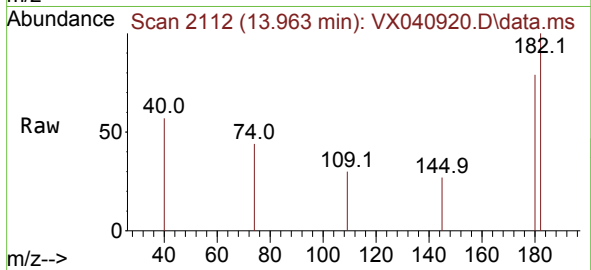
129 7.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.261 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX040920.D
 Acq: 08 Apr 2024 11:29

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-06B-44-040424



Tgt Ion:	180	Resp:	218
Ion	Ratio	Lower	Upper
180	100		
182	109.6	46.9	140.6
145	23.9	17.8	53.5

