

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040315.D
 Acq On : 17 Feb 2024 20:05
 Operator : JC/MD
 Sample : P1507-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20240215

Quant Time: Feb 19 04:01:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

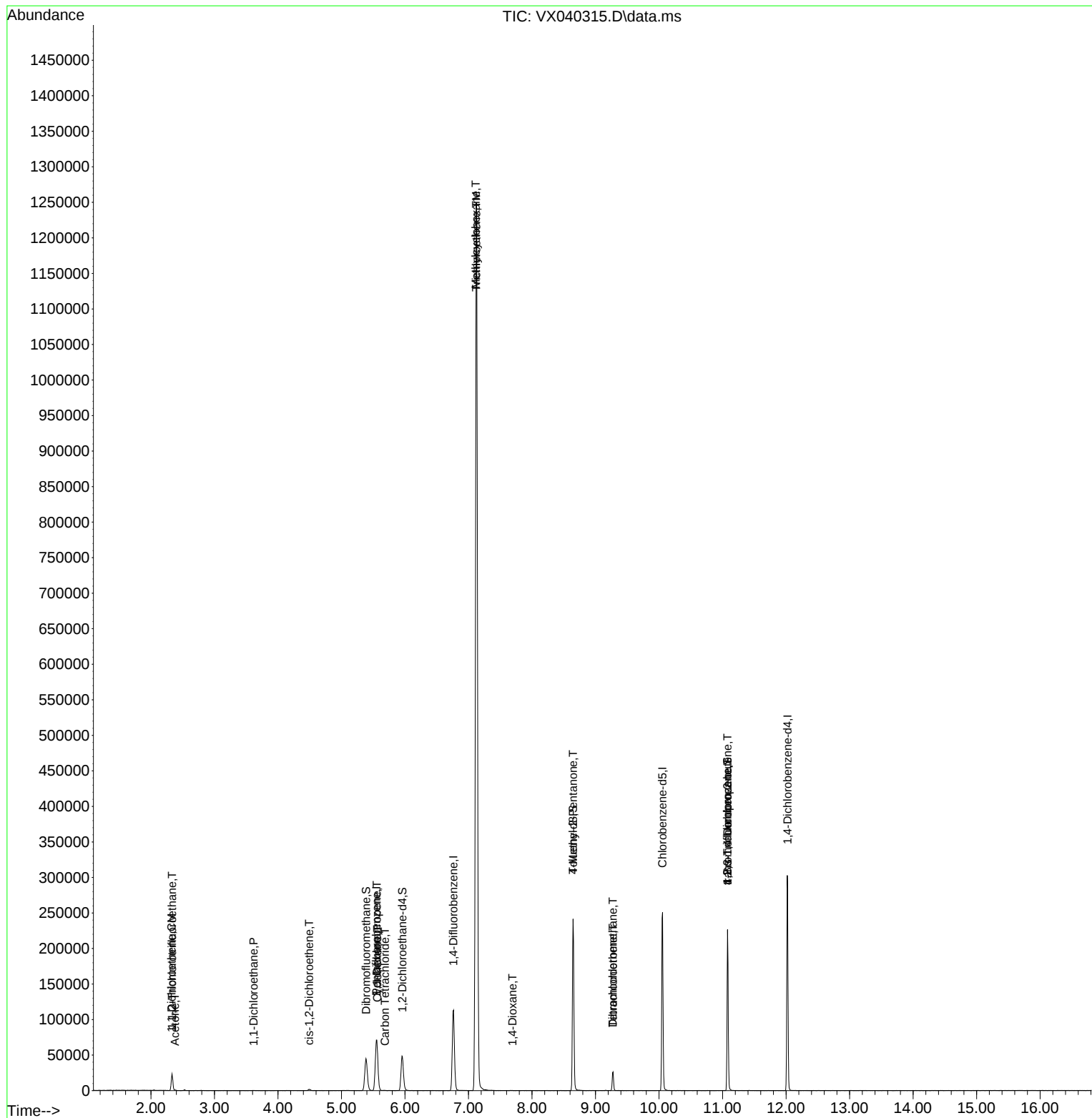
Internal Standards						
1) Pentafluorobenzene	5.550	168	69308	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	117985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47700	46.261	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.520%
35) Dibromofluoromethane	5.385	113	39235	47.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.240%
50) Toluene-d8	8.647	98	142258	46.156	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.320%
62) 4-Bromofluorobenzene	11.079	95	57893	46.056	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.120%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	7897	10.745	ug/l	95
12) 1,1-Dichloroethene	2.324	96	797	1.126	ug/l	# 59
16) Acetone	2.379	43	860	2.031	ug/l	# 57
20) Methylene Chloride	2.794	84	212	Below Cal	#	28
24) 1,1-Dichloroethane	3.617	63	398	0.274	ug/l	# 83
27) cis-1,2-Dichloroethene	4.489	96	636	0.692	ug/l	41
31) Cyclohexane	5.562	56	1628	1.324	ug/l	# 35
36) 1,1-Dichloropropene	5.556	75	5383	4.664	ug/l	# 51
38) Carbon Tetrachloride	5.684	117	417	0.380	ug/l	# 49
39) Methylcyclohexane	7.116	83	5824	4.342	ug/l	# 1
44) Trichloroethene	7.122	130	471634	529.731	ug/l	100
49) 1,4-Dioxane	7.689	88	263	11.785	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.647	43	658	0.481	ug/l	# 1
60) Dibromochloromethane	9.274	129	4800	5.225	ug/l	# 11
64) Tetrachloroethene	9.274	164	4923	6.027	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	30682	24.295	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	30682	66.930	ug/l	# 5

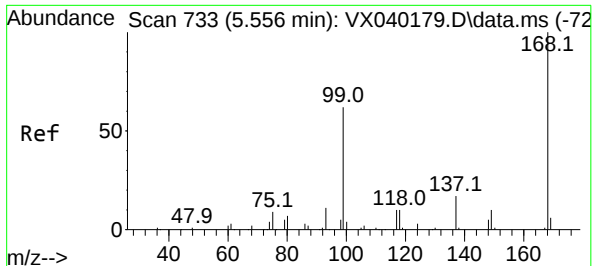
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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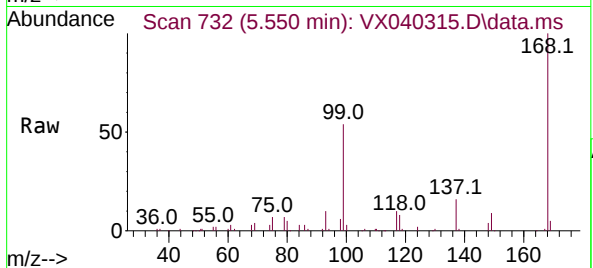
Quant Time: Feb 19 04:01:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
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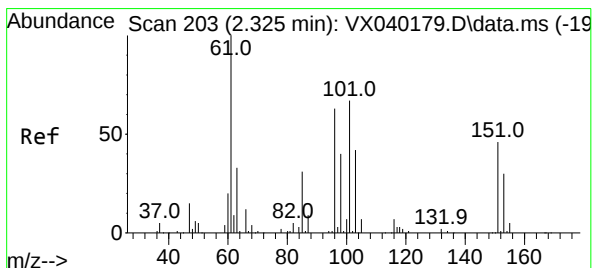
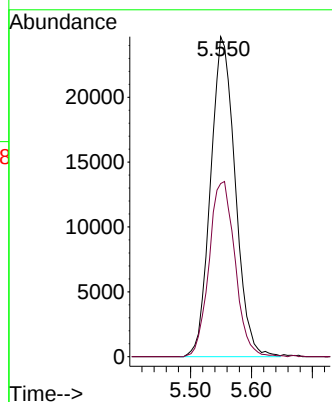
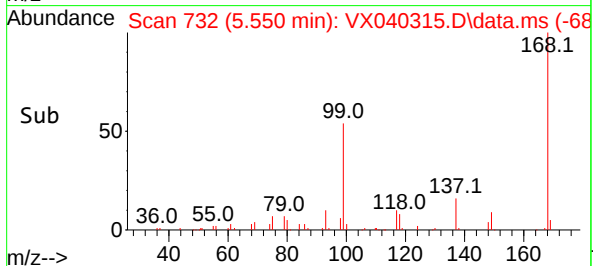


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

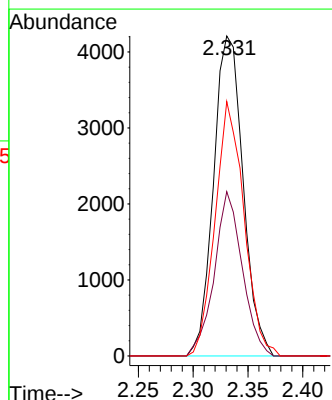
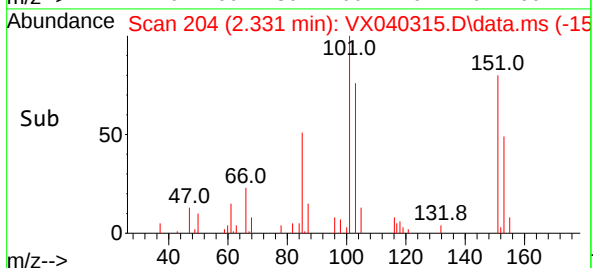
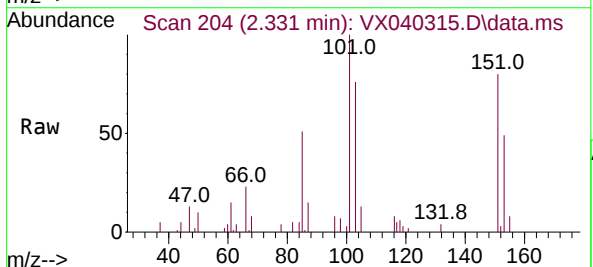


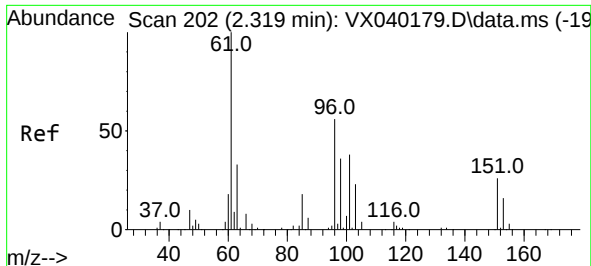
Tgt Ion:168 Resp: 69308
Ion Ratio Lower Upper
168 100
99 54.1 56.6 85.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.745 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion:101 Resp: 7897
Ion Ratio Lower Upper
101 100
85 48.6 37.0 55.6
151 77.7 58.6 87.8





#12

1,1-Dichloroethene

Concen: 1.126 ug/l

RT: 2.324 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040315.D

Acq: 17 Feb 2024 20:05

Instrument :

MSVOA_X

ClientSampleId :

RW4-20240215

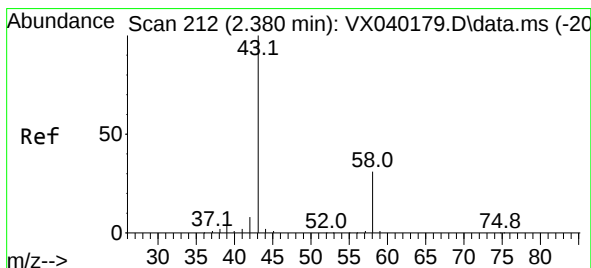
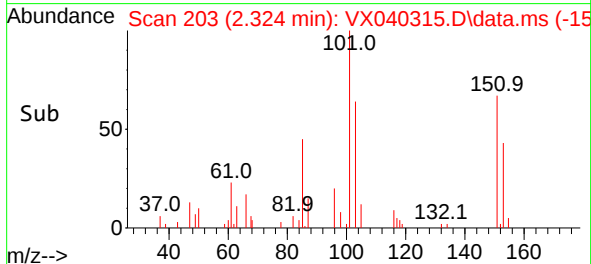
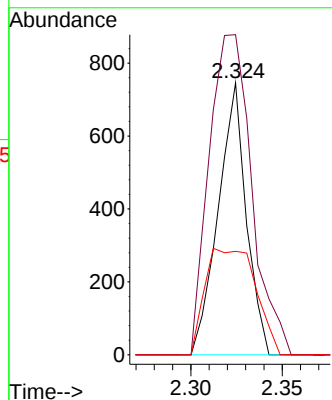
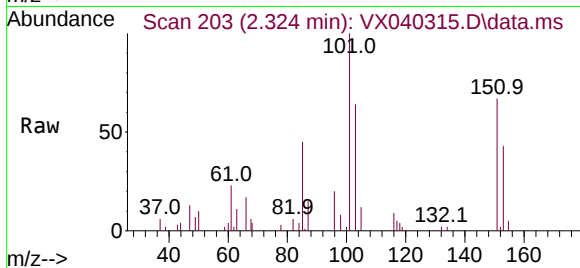
Tgt Ion: 96 Resp: 797

Ion Ratio Lower Upper

96 100

61 117.7 144.6 216.8#

98 38.1 50.4 75.6#



#16

Acetone

Concen: 2.031 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040315.D

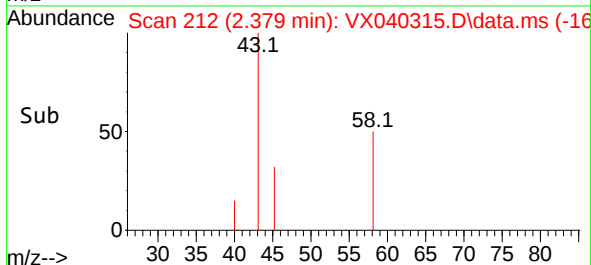
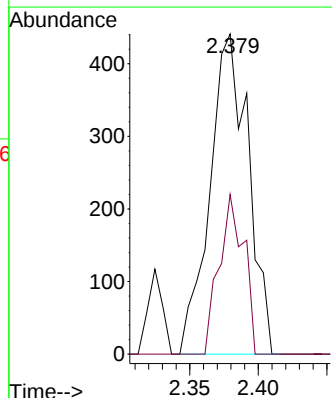
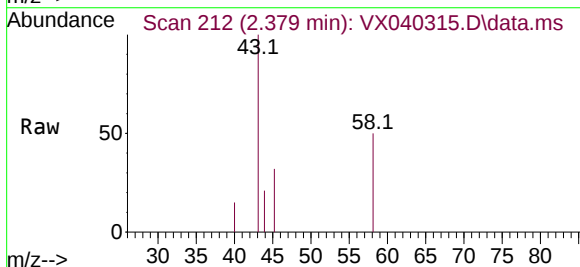
Acq: 17 Feb 2024 20:05

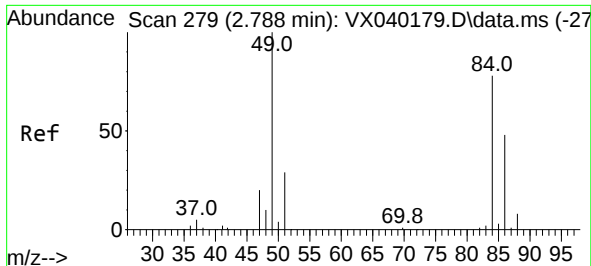
Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

43 100

58 49.9 21.9 32.9#

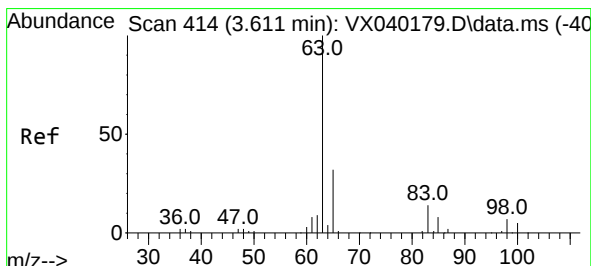
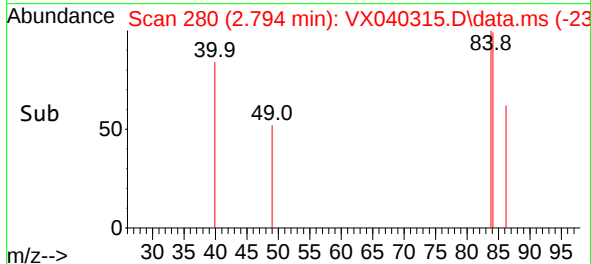
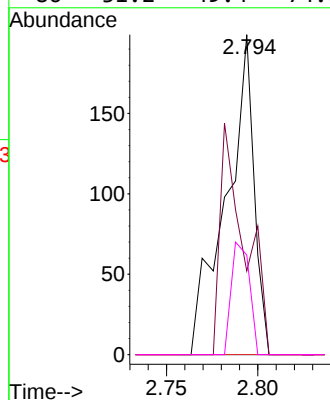
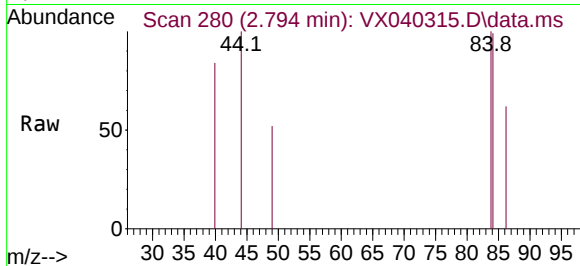




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

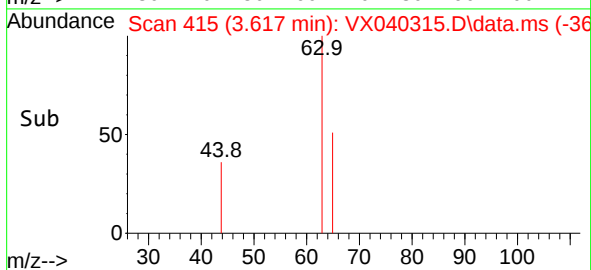
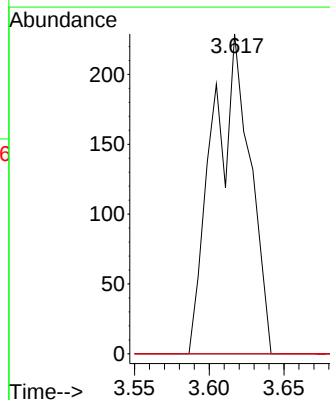
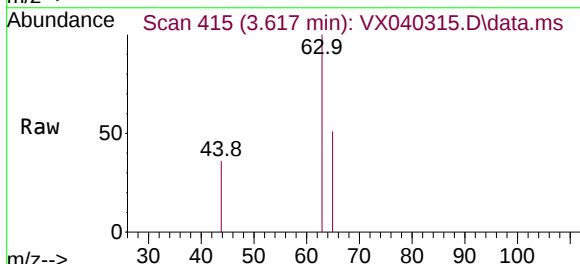
Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

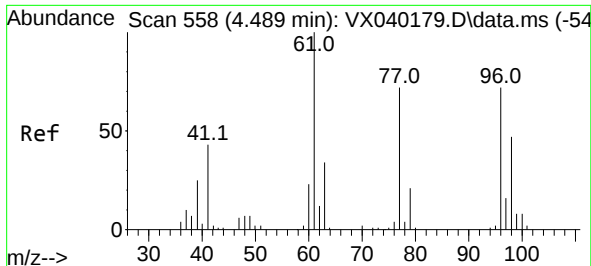
Tgt Ion: 84	Resp: 212
Ion Ratio	Lower Upper
84 100	
49 26.1	103.6 155.4#
51 0.0	33.8 50.6#
86 31.2	49.4 74.0#



#24
1,1-Dichloroethane
Concen: 0.274 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion: 63	Resp: 398
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: 0.692 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX040315.D

Acq: 17 Feb 2024 20:05

Instrument :

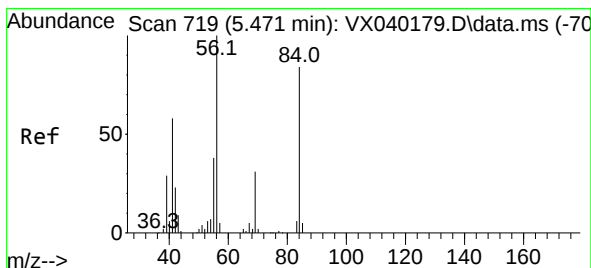
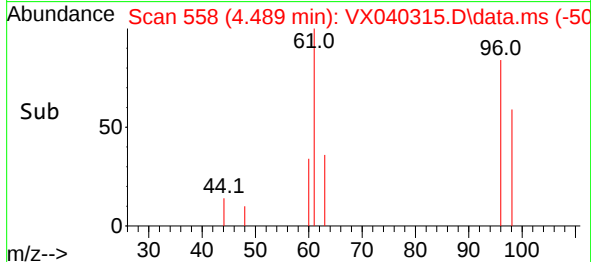
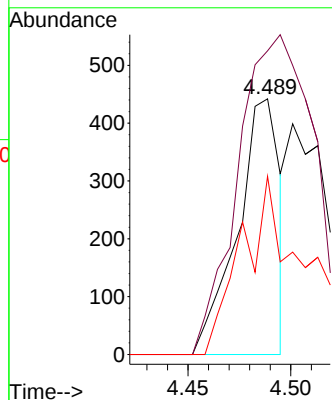
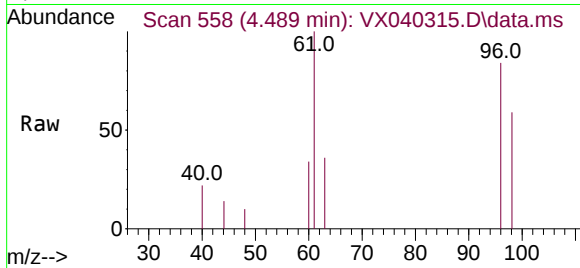
MSVOA_X

ClientSampleId :

RW4-20240215

Tgt Ion: 96 Resp: 636

Ion	Ratio	Lower	Upper
96	100		
61	234.3	0.0	312.2
98	109.6	0.0	129.0



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 5.562 min Scan# 734

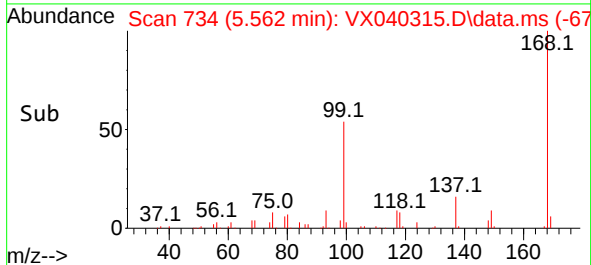
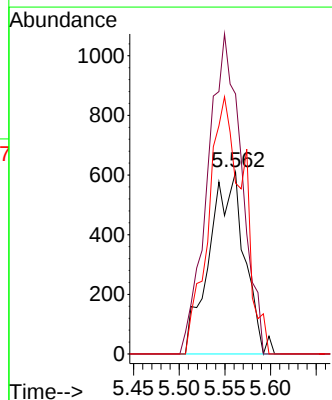
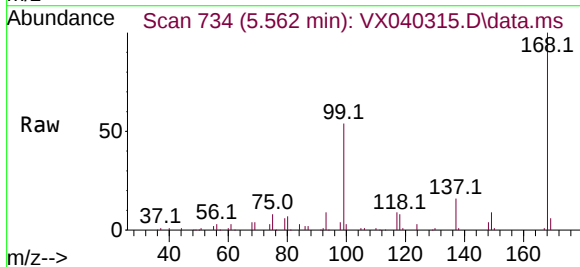
Delta R.T. 0.091 min

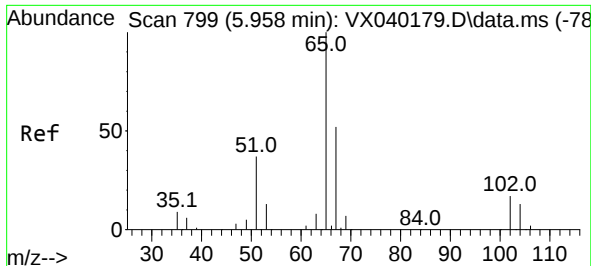
Lab File: VX040315.D

Acq: 17 Feb 2024 20:05

Tgt Ion: 56 Resp: 1628

Ion	Ratio	Lower	Upper
56	100		
69	143.0	23.4	35.2#
84	93.9	65.9	98.9

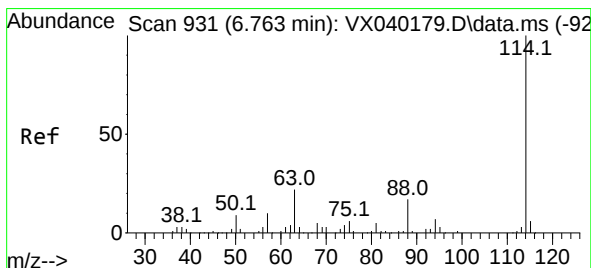
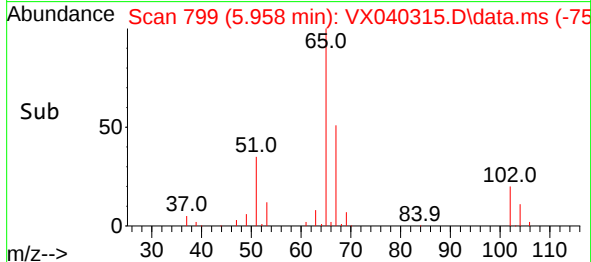
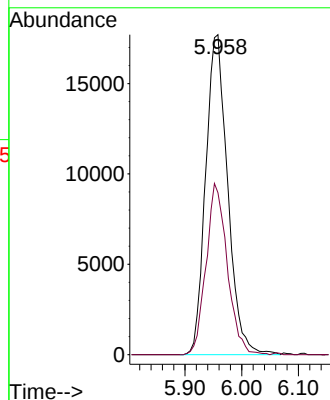
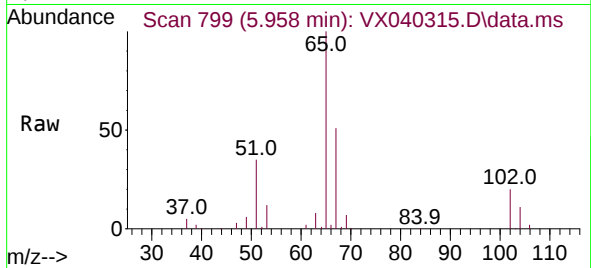




#33
1,2-Dichloroethane-d4
Concen: 46.261 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

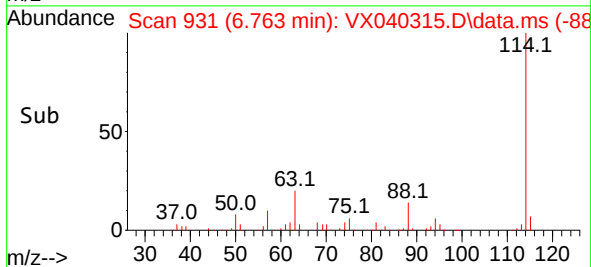
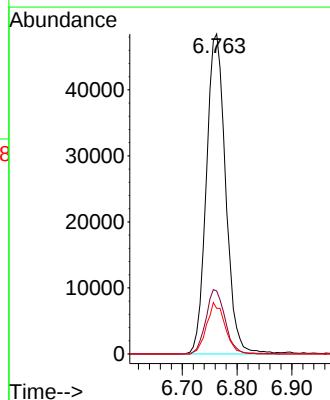
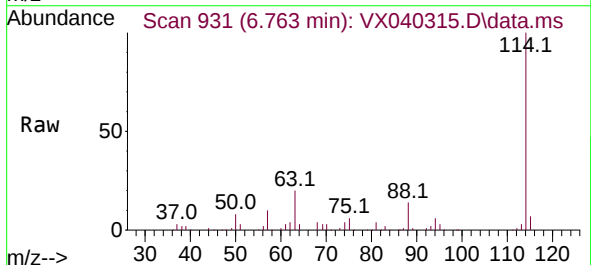
Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

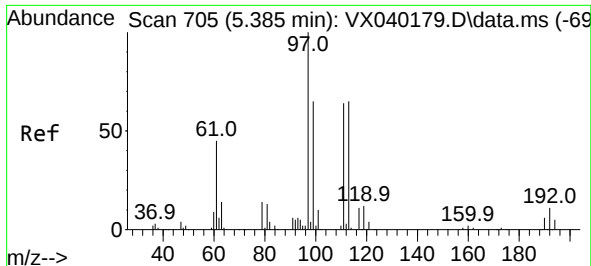
Tgt Ion: 65 Resp: 47700
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion: 114 Resp: 117985
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 14.2 0.0 36.6

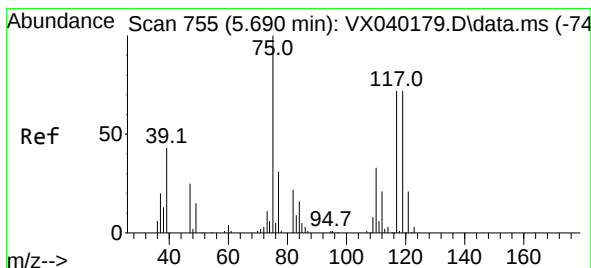
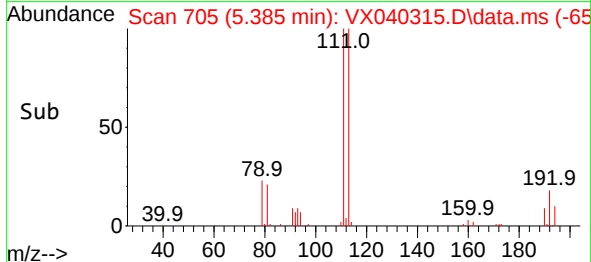
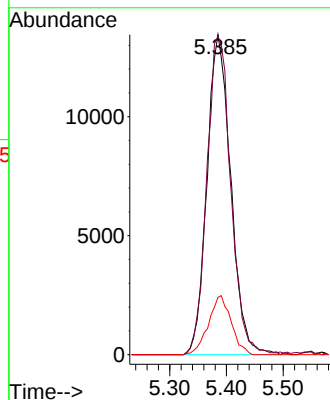
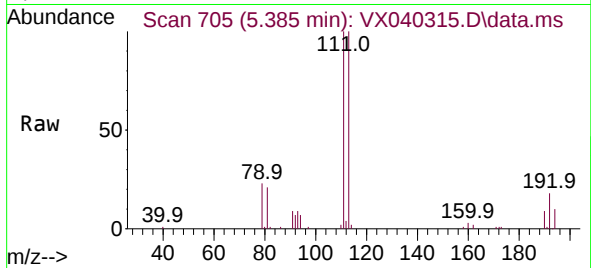




#35
Dibromofluoromethane
Concen: 47.619 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

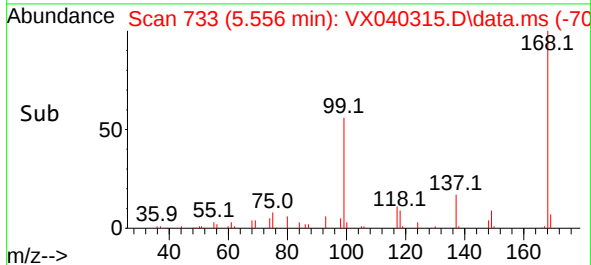
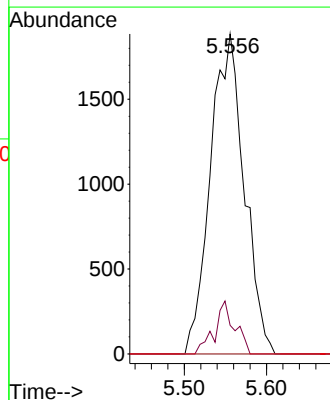
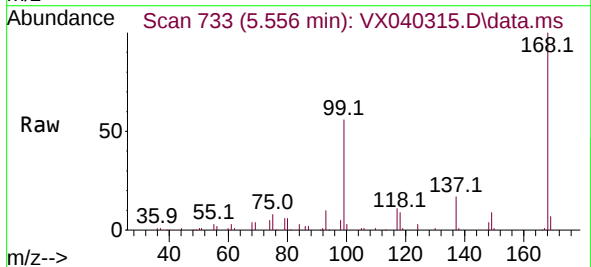
Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

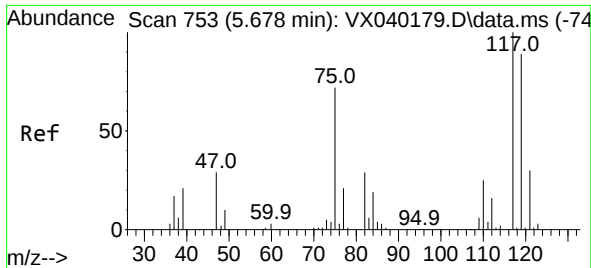
Tgt Ion:	113	Resp:	39235
Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.9	124.3
192	17.6	13.3	19.9



#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion:	75	Resp:	5383
Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.0	50.9#
77	0.0	24.7	37.1#

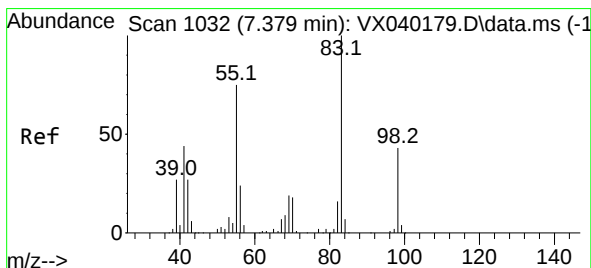
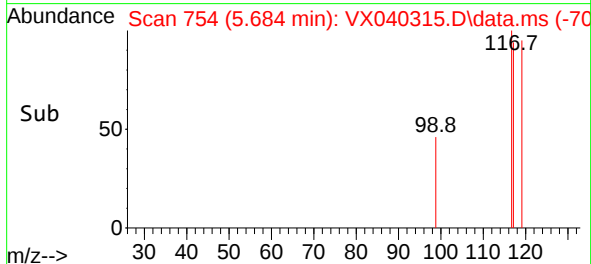
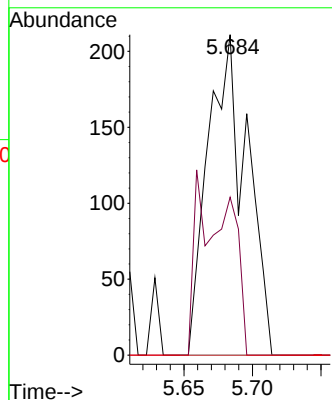
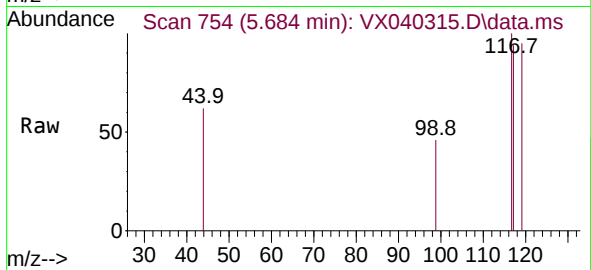




#38
Carbon Tetrachloride
Concen: 0.380 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

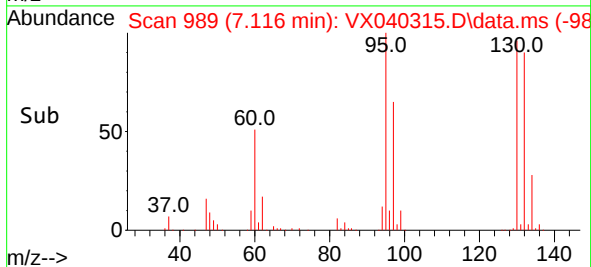
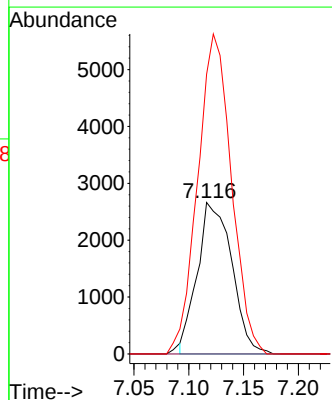
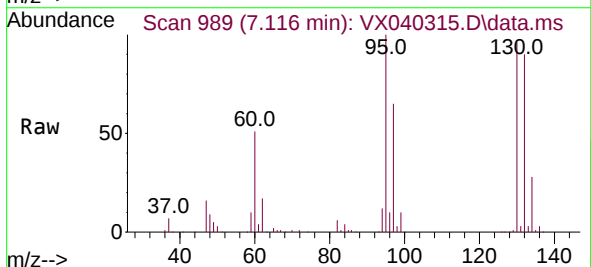
Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

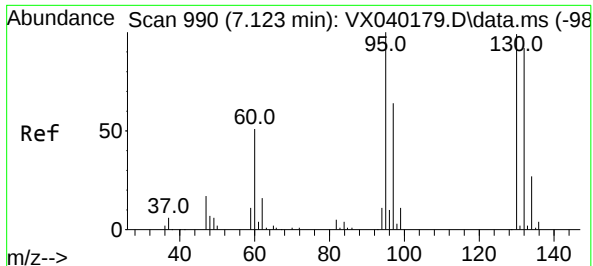
Tgt Ion:117 Resp: 417
Ion Ratio Lower Upper
117 100
119 49.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 4.342 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.262 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion: 83 Resp: 5824
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 184.6 36.7 55.1#

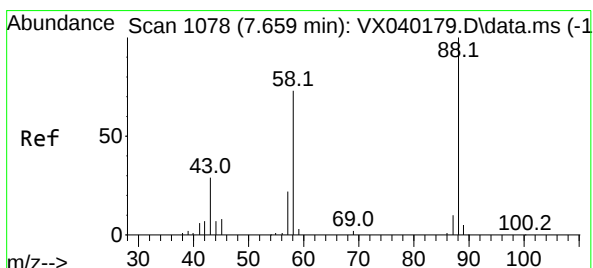
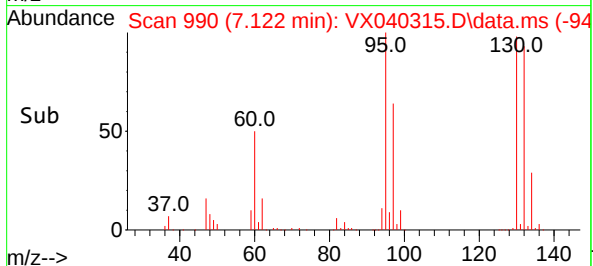
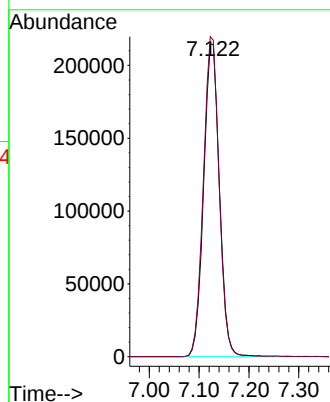
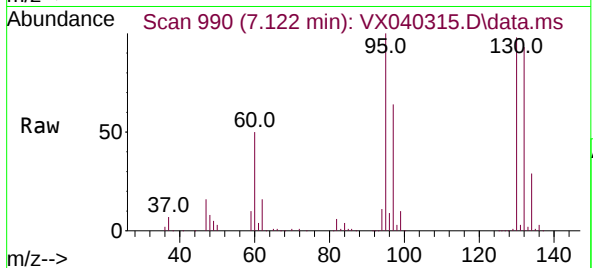




#44
Trichloroethene
Concen: 529.731 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

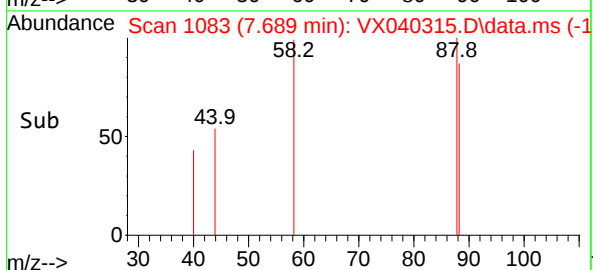
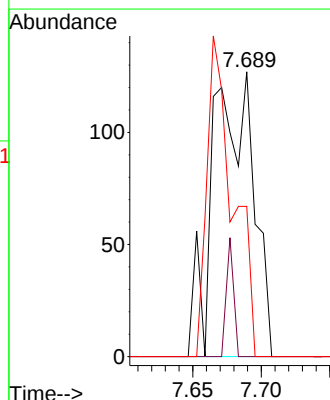
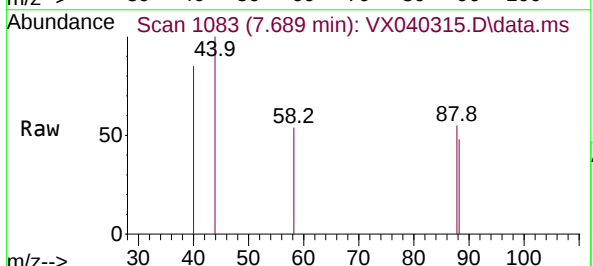
Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

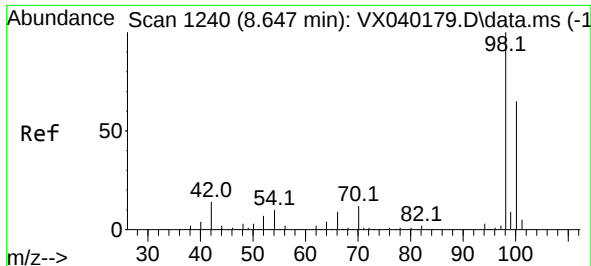
Tgt Ion:130 Resp: 471634
Ion Ratio Lower Upper
130 100
95 102.3 0.0 204.4



#49
1,4-Dioxane
Concen: 11.785 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion: 88 Resp: 263
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

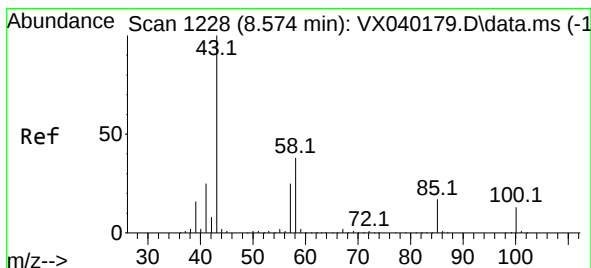
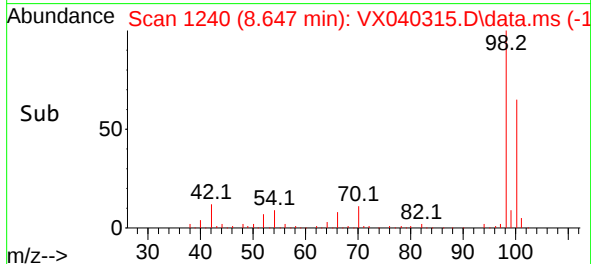
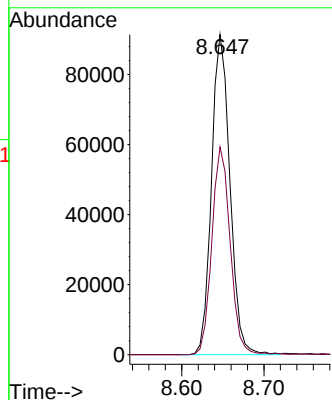
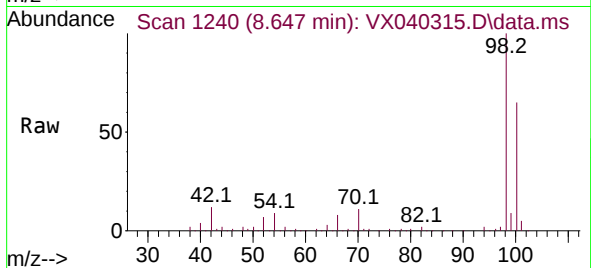




#50
Toluene-d8
Concen: 46.156 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

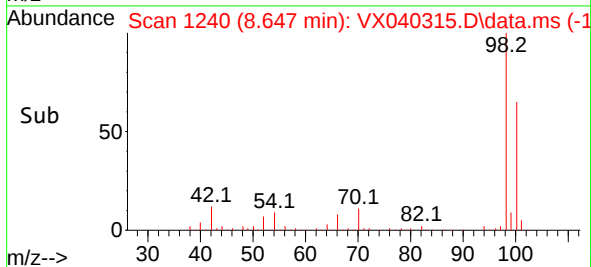
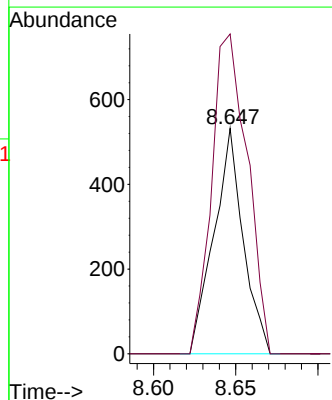
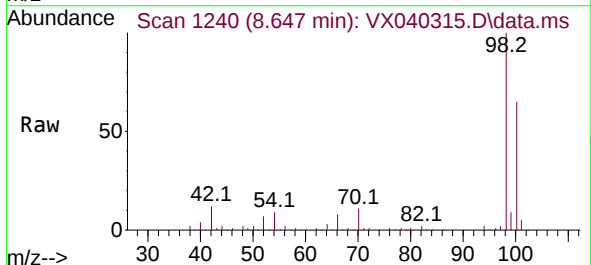
Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

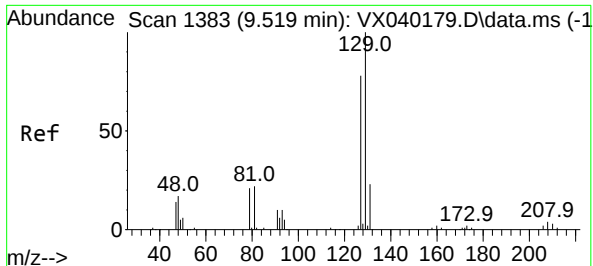
Tgt Ion: 98 Resp: 142258
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.481 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
58 173.1 30.4 45.6#

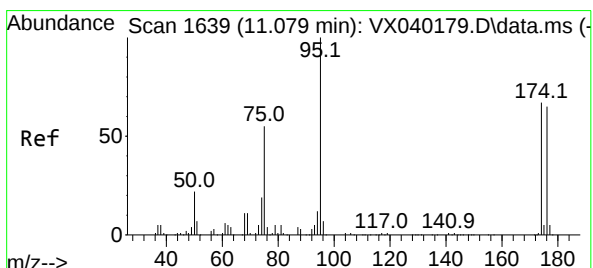
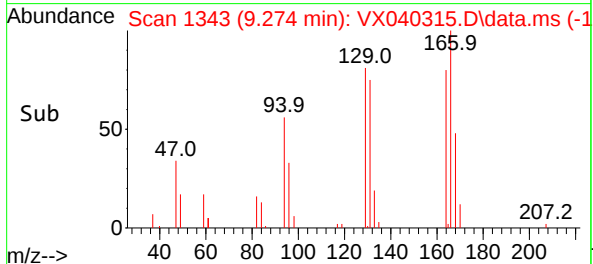
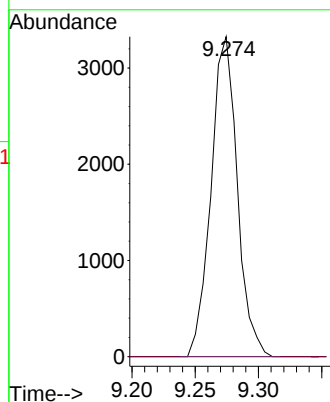
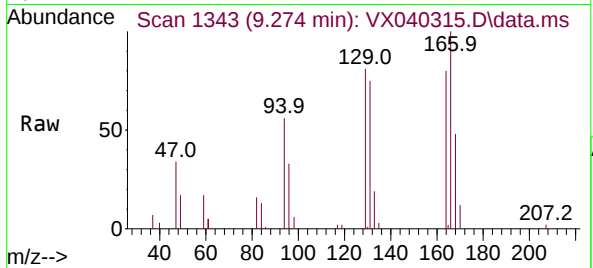




#60
Dibromochloromethane
Concen: 5.225 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

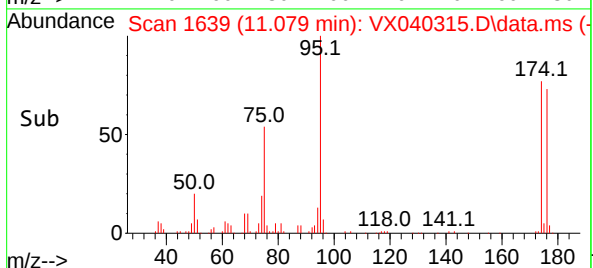
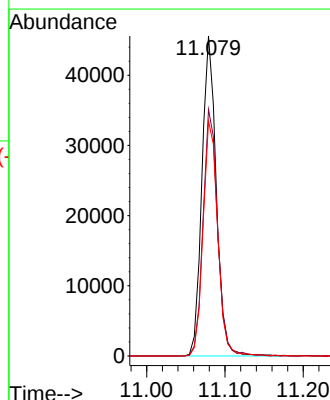
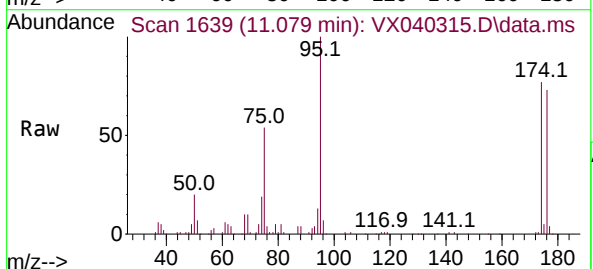
Instrument :
MSVOA_X
ClientSampleId :
RW4-20240215

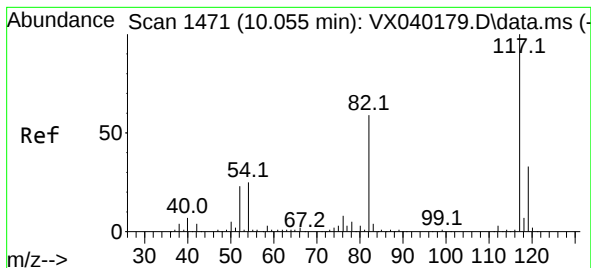
Tgt Ion:129 Resp: 4800
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.056 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040315.D
Acq: 17 Feb 2024 20:05

Tgt Ion: 95 Resp: 57893
Ion Ratio Lower Upper
95 100
174 78.4 0.0 135.6
176 74.8 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: VX040315.D

Acq: 17 Feb 2024 20:05

Instrument :

MSVOA_X

ClientSampleId :

RW4-20240215

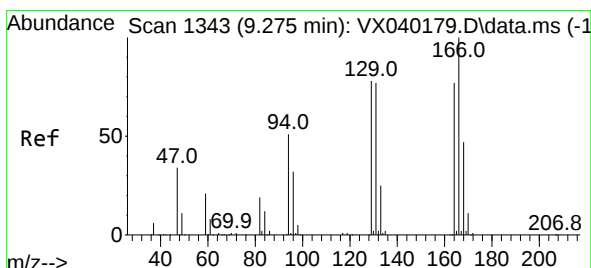
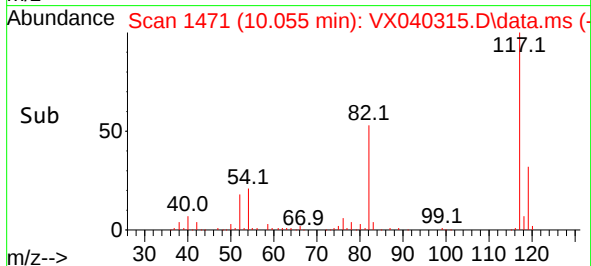
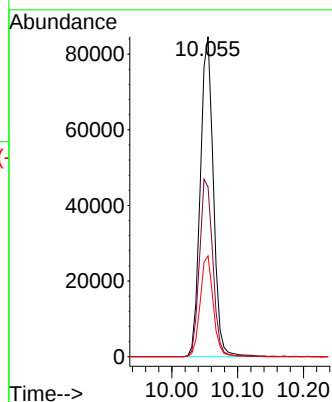
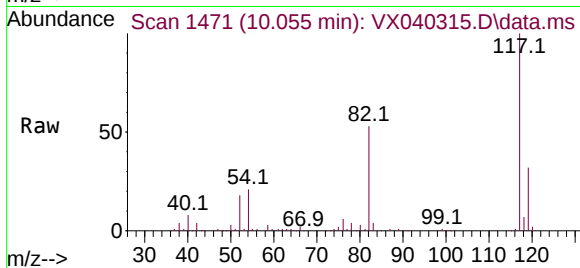
Tgt Ion:117 Resp: 116564

Ion Ratio Lower Upper

117 100

82 53.0 46.2 69.4

119 31.5 25.5 38.3



#64

Tetrachloroethene

Concen: 6.027 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX040315.D

Acq: 17 Feb 2024 20:05

Tgt Ion:164 Resp: 4923

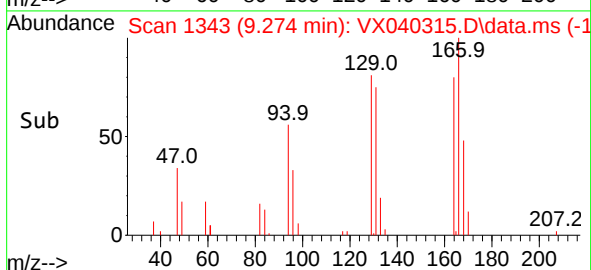
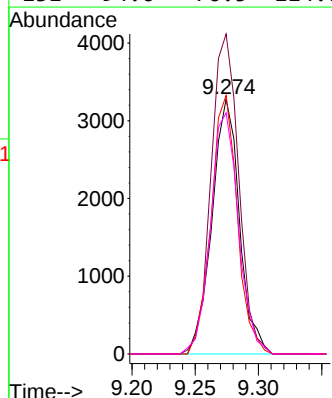
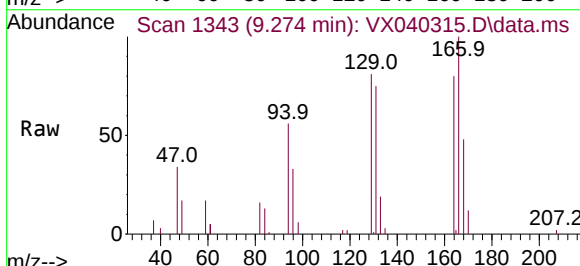
Ion Ratio Lower Upper

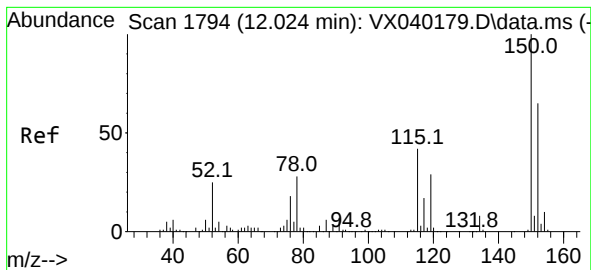
164 100

166 125.6 102.7 154.1

129 101.4 80.4 120.6

131 94.6 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040315.D

Acq: 17 Feb 2024 20:05

Instrument :

MSVOA_X

ClientSampleId :

RW4-20240215

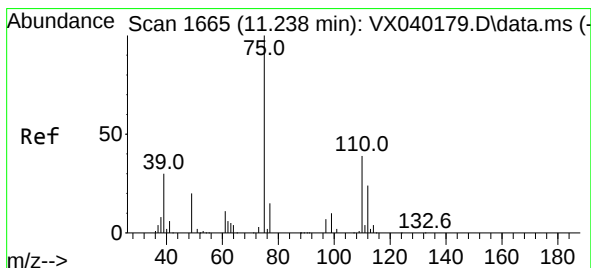
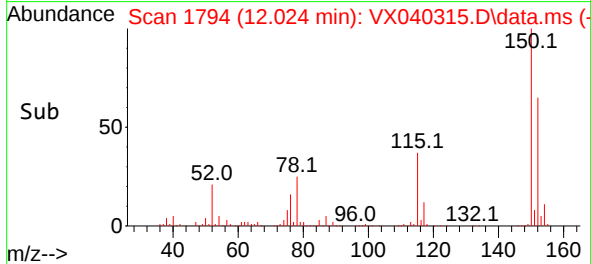
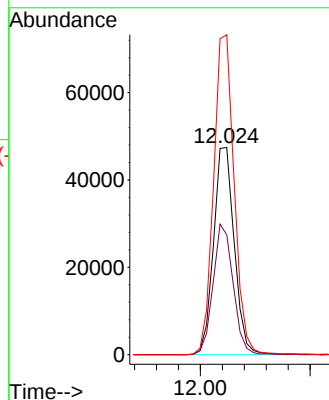
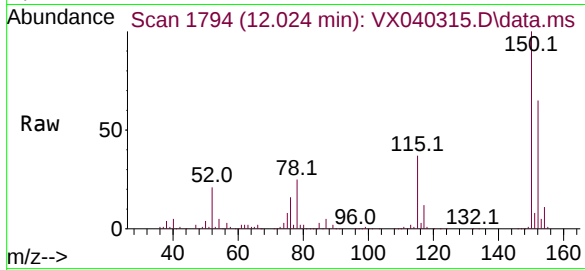
Tgt Ion:152 Resp: 62363

Ion Ratio Lower Upper

152 100

115 60.9 43.3 129.9

150 153.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.295 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040315.D

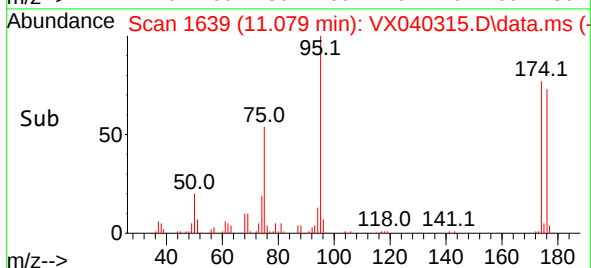
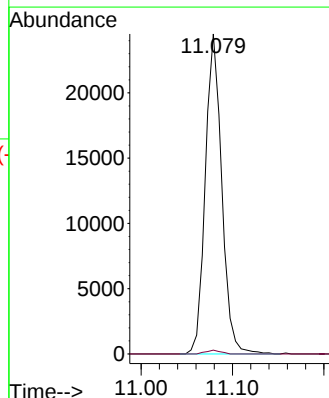
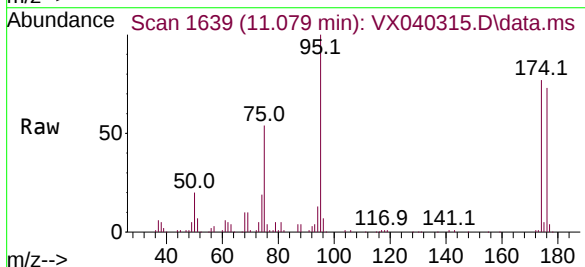
Acq: 17 Feb 2024 20:05

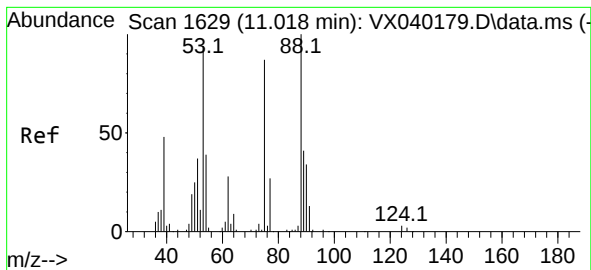
Tgt Ion: 75 Resp: 30682

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.930 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040315.D
 Acq: 17 Feb 2024 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20240215

Tgt Ion: 75 Resp: 30682
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

