

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036174.D
 Acq On : 15 Jun 2023 17:02
 Operator : JC/MD
 Sample : 03278-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW5A-IDWGW-20230614

Quant Time: Jun 16 07:57:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

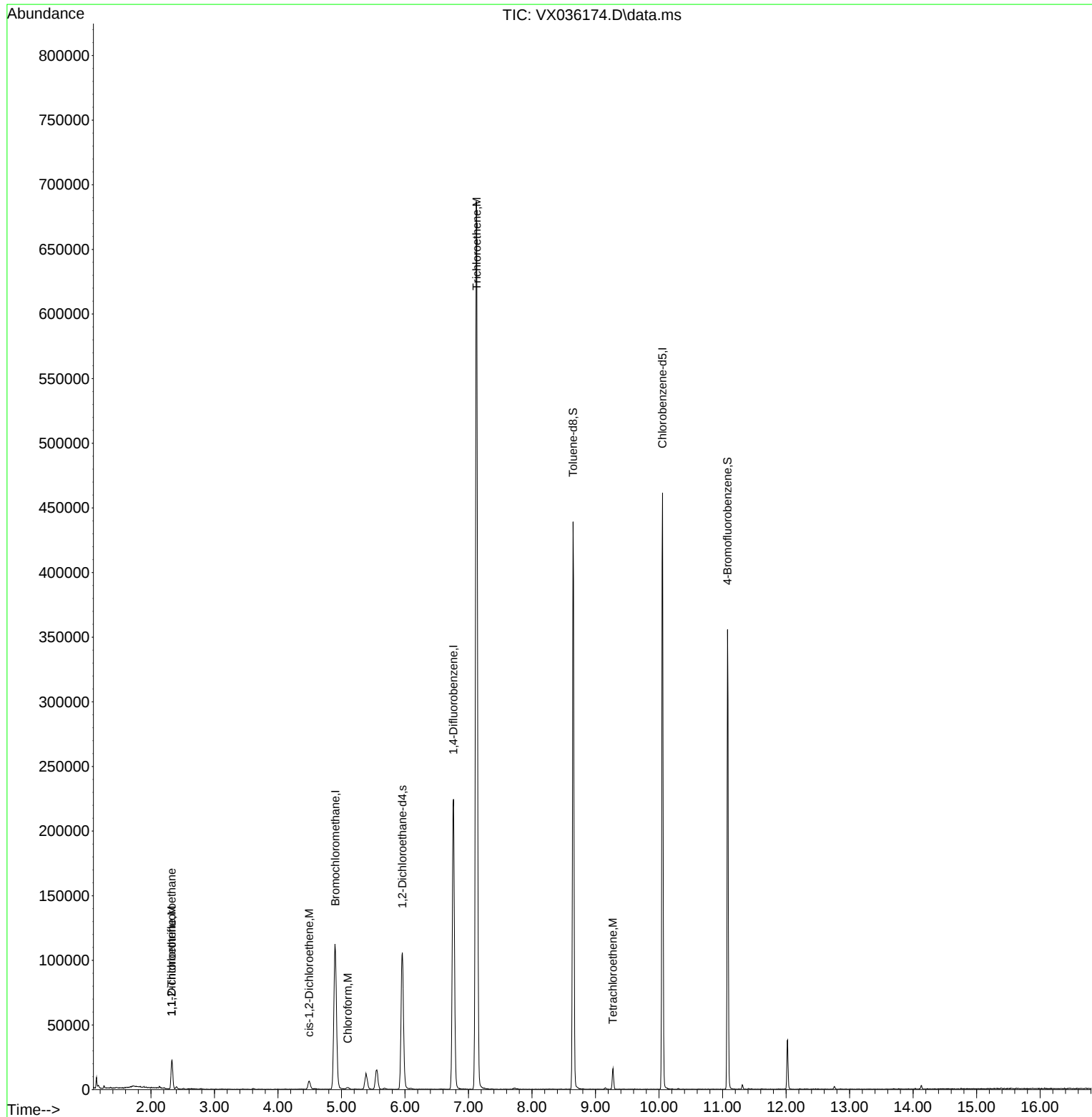
Internal Standards						
1) Bromochloromethane	4.904	128	42406	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	207675	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	186348	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	111223	31.566	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.233%
60) 4-Bromofluorobenzene	11.079	95	93535	29.913	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.700%
63) Toluene-d8	8.647	98	244080	29.628	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.767%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	7920	3.884	ug/l	96
10) 1,1-Dichloroethene	2.325	96	1296	0.610	ug/l #	73
22) cis-1,2-Dichloroethene	4.489	96	3837	1.294	ug/l	90
25) Chloroform	5.099	83	1582	0.318	ug/l	89
37) Trichloroethene	7.129	130	244554	106.641	ug/l	93
61) Tetrachloroethene	9.275	164	2201	1.226	ug/l #	84

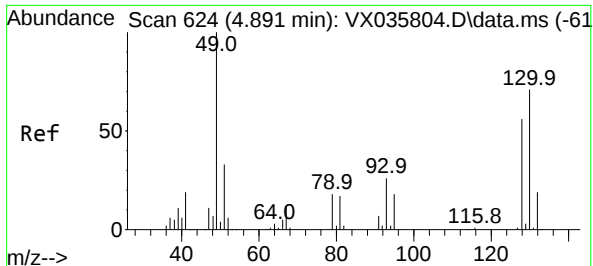
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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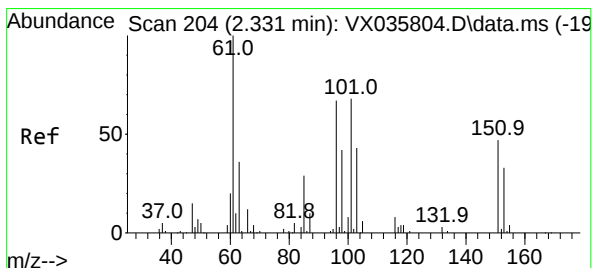
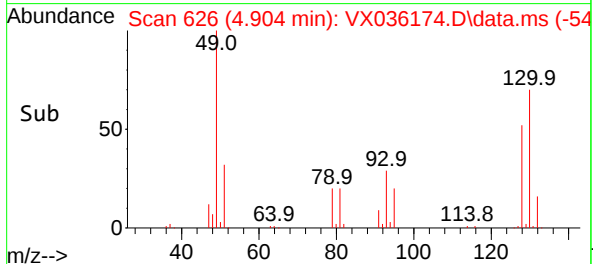
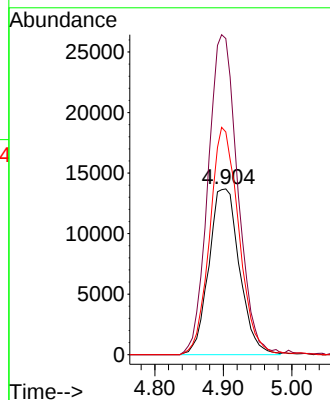
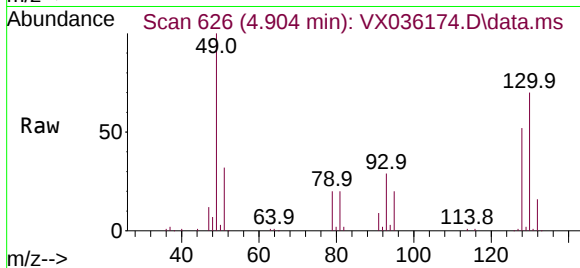




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

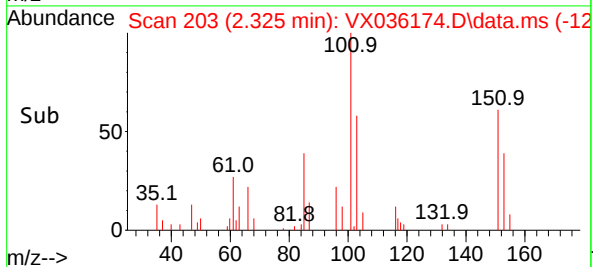
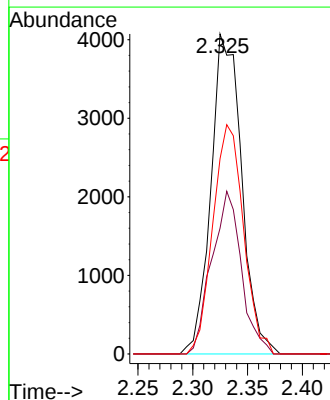
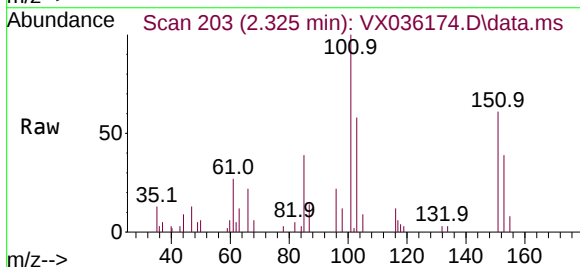
Instrument :
MSVOA_X
ClientSampleId :
RW5A-IDW/GW-20230614

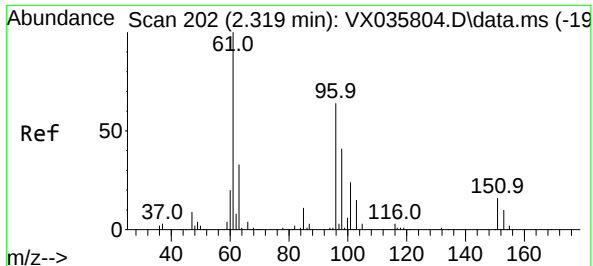
Tgt Ion:128 Resp: 42406
Ion Ratio Lower Upper
128 100
49 186.7 0.0 428.8
130 130.2 0.0 310.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.884 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

Tgt Ion:101 Resp: 7920
Ion Ratio Lower Upper
101 100
85 49.2 0.0 88.8
151 71.7 0.0 147.6





#10

1,1-Dichloroethene

Concen: 0.610 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX036174.D

Acq: 15 Jun 2023 17:02

Instrument :

MSVOA_X

ClientSampleId :

RW5A-IDW/GW-20230614

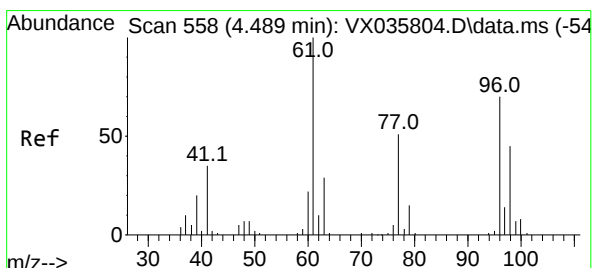
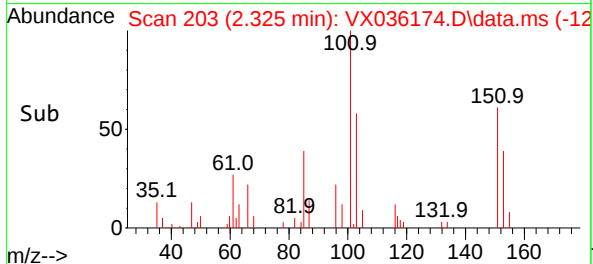
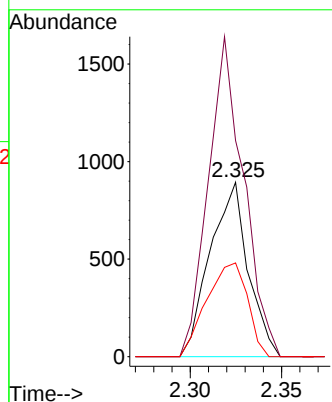
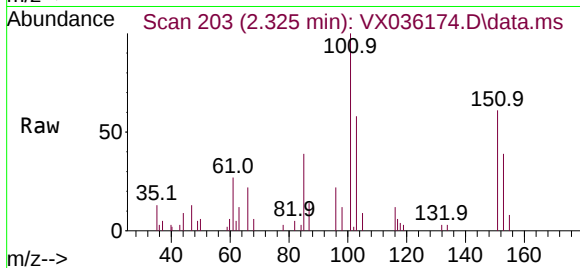
Tgt Ion: 96 Resp: 1296

Ion Ratio Lower Upper

96 100

61 123.9 135.8 203.6#

98 53.8 49.8 74.6



#22

cis-1,2-Dichloroethene

Concen: 1.294 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX036174.D

Acq: 15 Jun 2023 17:02

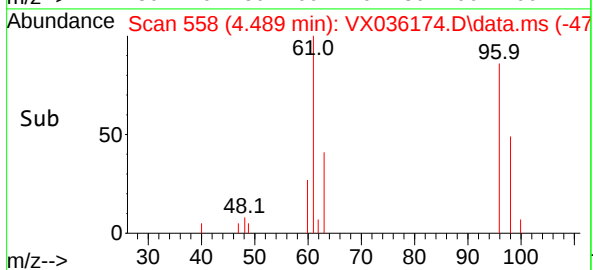
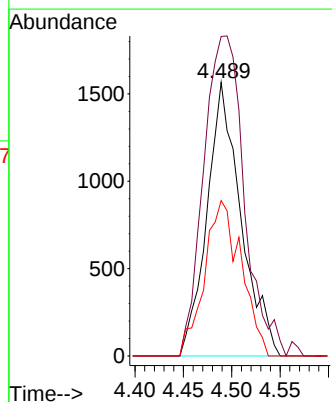
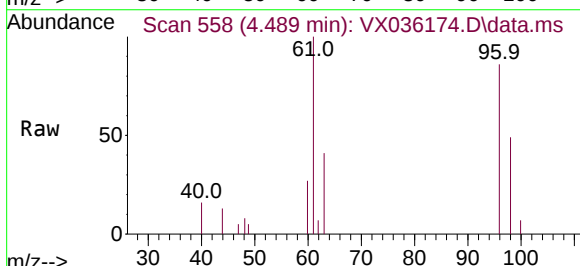
Tgt Ion: 96 Resp: 3837

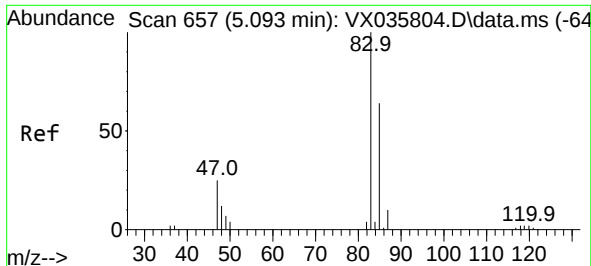
Ion Ratio Lower Upper

96 100

61 136.5 121.7 182.5

98 61.1 52.2 78.2

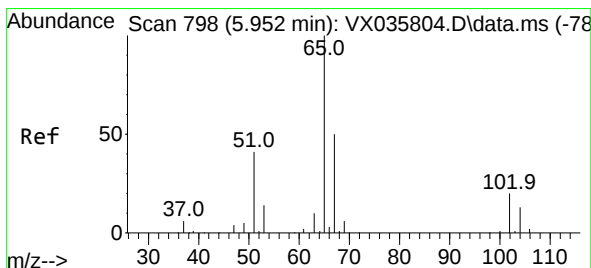
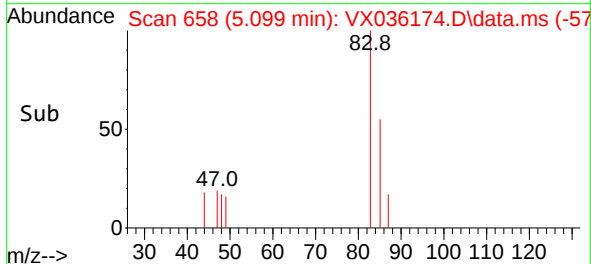
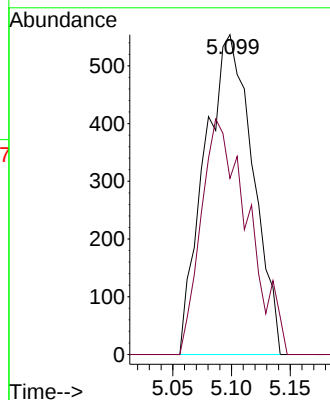
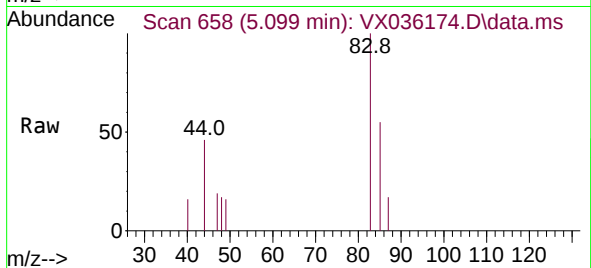




#25
Chloroform
Concen: 0.318 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

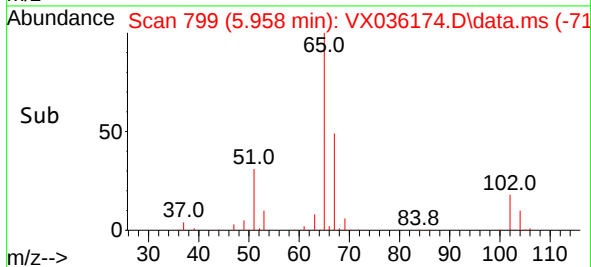
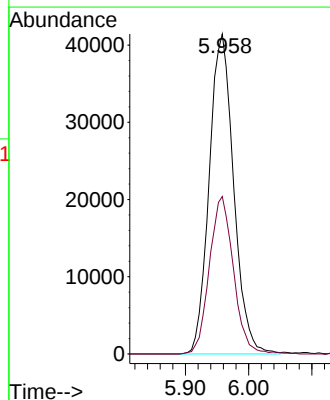
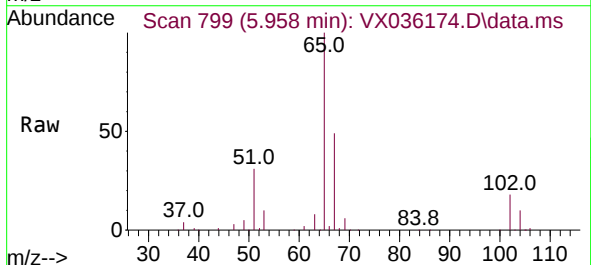
Instrument :
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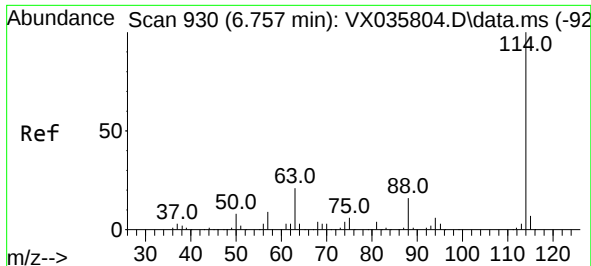
Tgt Ion: 83 Resp: 1582
Ion Ratio Lower Upper
83 100
85 55.1 51.2 76.8



#27
1,2-Dichloroethane-d4
Concen: 31.566 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

Tgt Ion: 65 Resp: 111223
Ion Ratio Lower Upper
65 100
67 48.2 40.9 61.3

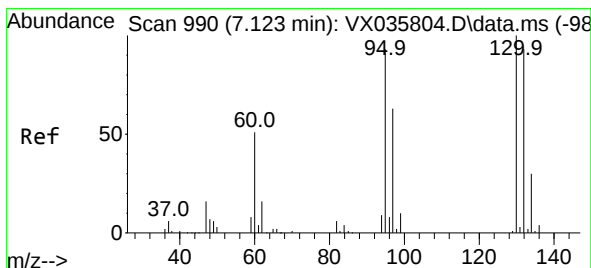
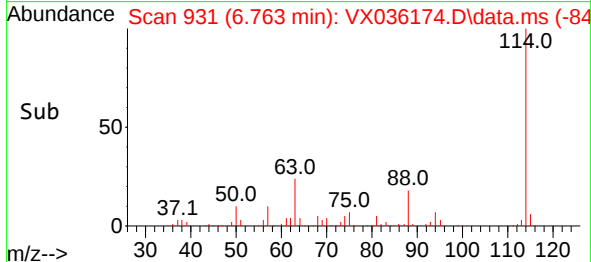
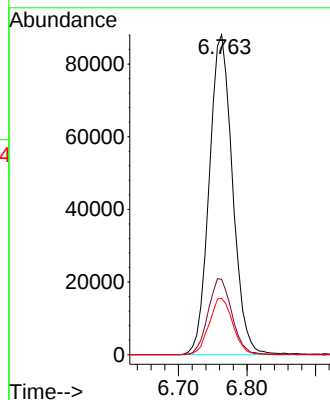
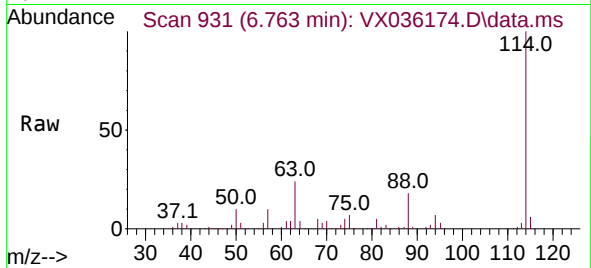




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

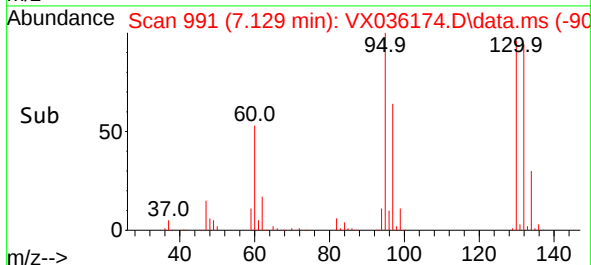
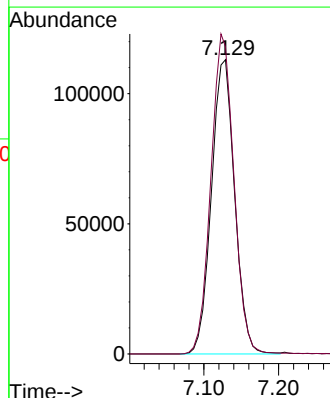
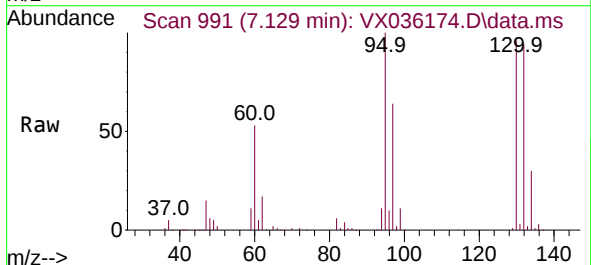
Instrument :
MSVOA_X
ClientSampleId :
RW5A-IDW/GW-20230614

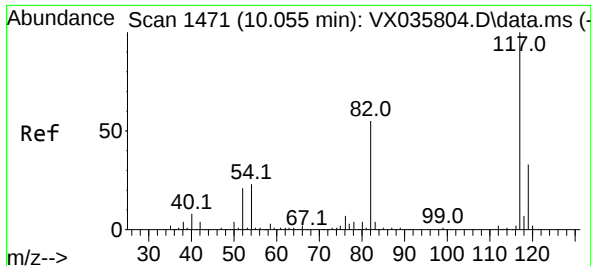
Tgt Ion:114 Resp: 207675
Ion Ratio Lower Upper
114 100
63 24.3 18.0 27.0
88 18.0 13.3 19.9



#37
Trichloroethene
Concen: 106.641 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

Tgt Ion:130 Resp: 244554
Ion Ratio Lower Upper
130 100
95 104.4 77.8 116.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036174.D

Acq: 15 Jun 2023 17:02

Instrument :

MSVOA_X

ClientSampleId :

RW5A-IDW/GW-20230614

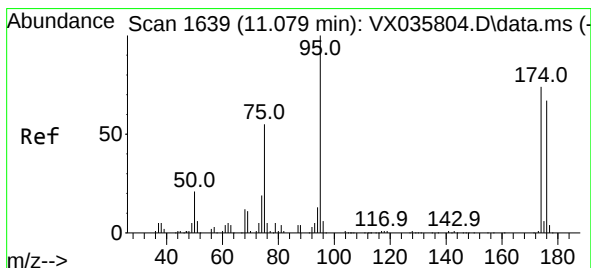
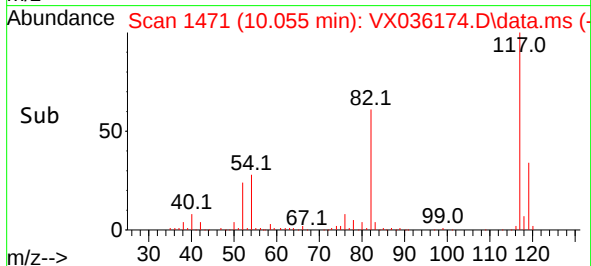
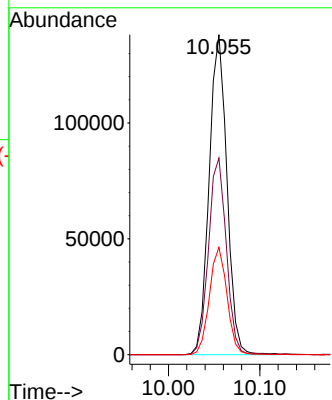
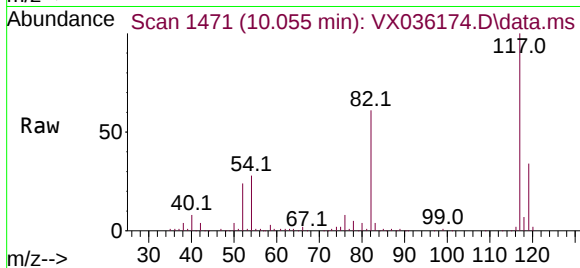
Tgt Ion:117 Resp: 186348

Ion Ratio Lower Upper

117 100

82 61.8 45.8 68.8

119 33.1 25.4 38.0



#60

4-Bromofluorobenzene

Concen: 29.913 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036174.D

Acq: 15 Jun 2023 17:02

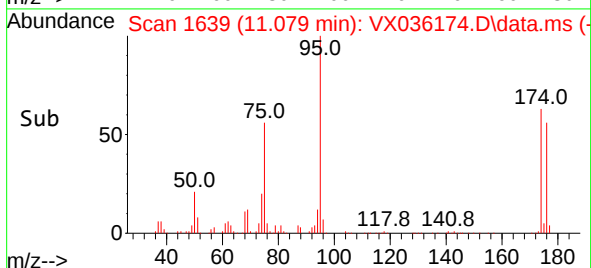
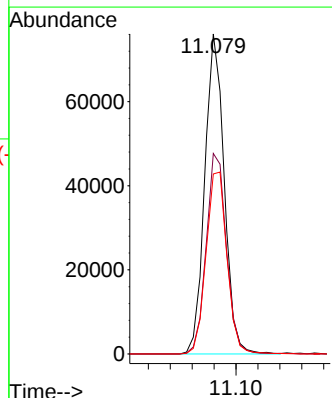
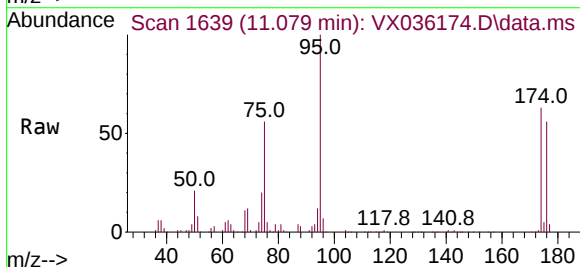
Tgt Ion: 95 Resp: 93535

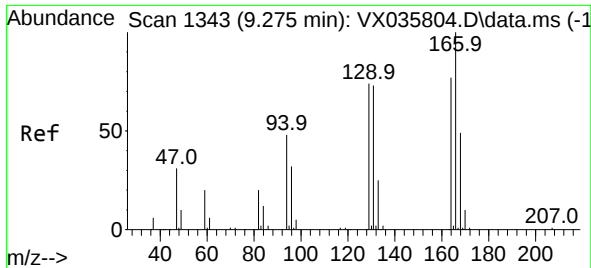
Ion Ratio Lower Upper

95 100

174 65.3 0.2 0.4#

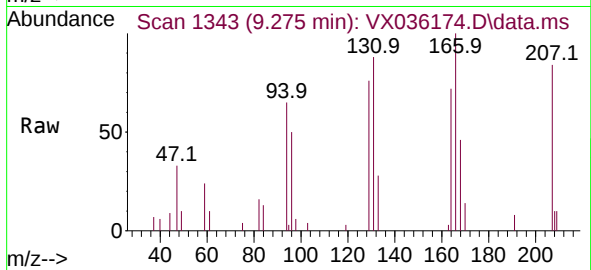
176 61.4 0.2 0.2#



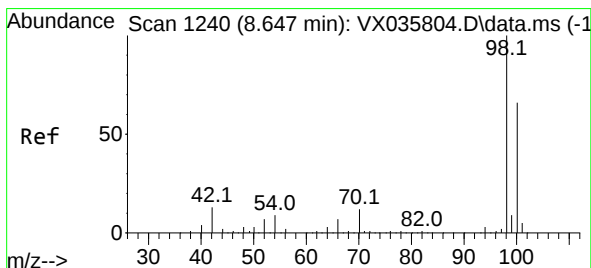
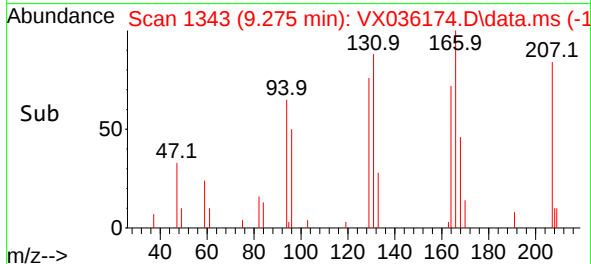
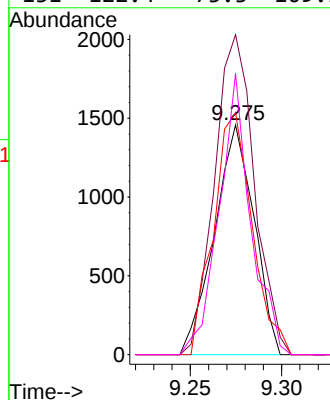


#61
Tetrachloroethene
Concen: 1.226 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

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ClientSampleId :
RW5A-IDW/GW-20230614



Tgt Ion:164 Resp: 2201
Ion Ratio Lower Upper
164 100
166 139.2 100.1 150.1
129 105.3 79.1 118.7
131 122.4 73.3 109.9#



#63
Toluene-d8
Concen: 29.628 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036174.D
Acq: 15 Jun 2023 17:02

Tgt Ion: 98 Resp: 244080
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

