

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036172.D
 Acq On : 15 Jun 2023 16:15
 Operator : JC/MD
 Sample : 03278-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW5A-IDWGW-20230614

Quant Time: Jun 16 07:56:36 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)

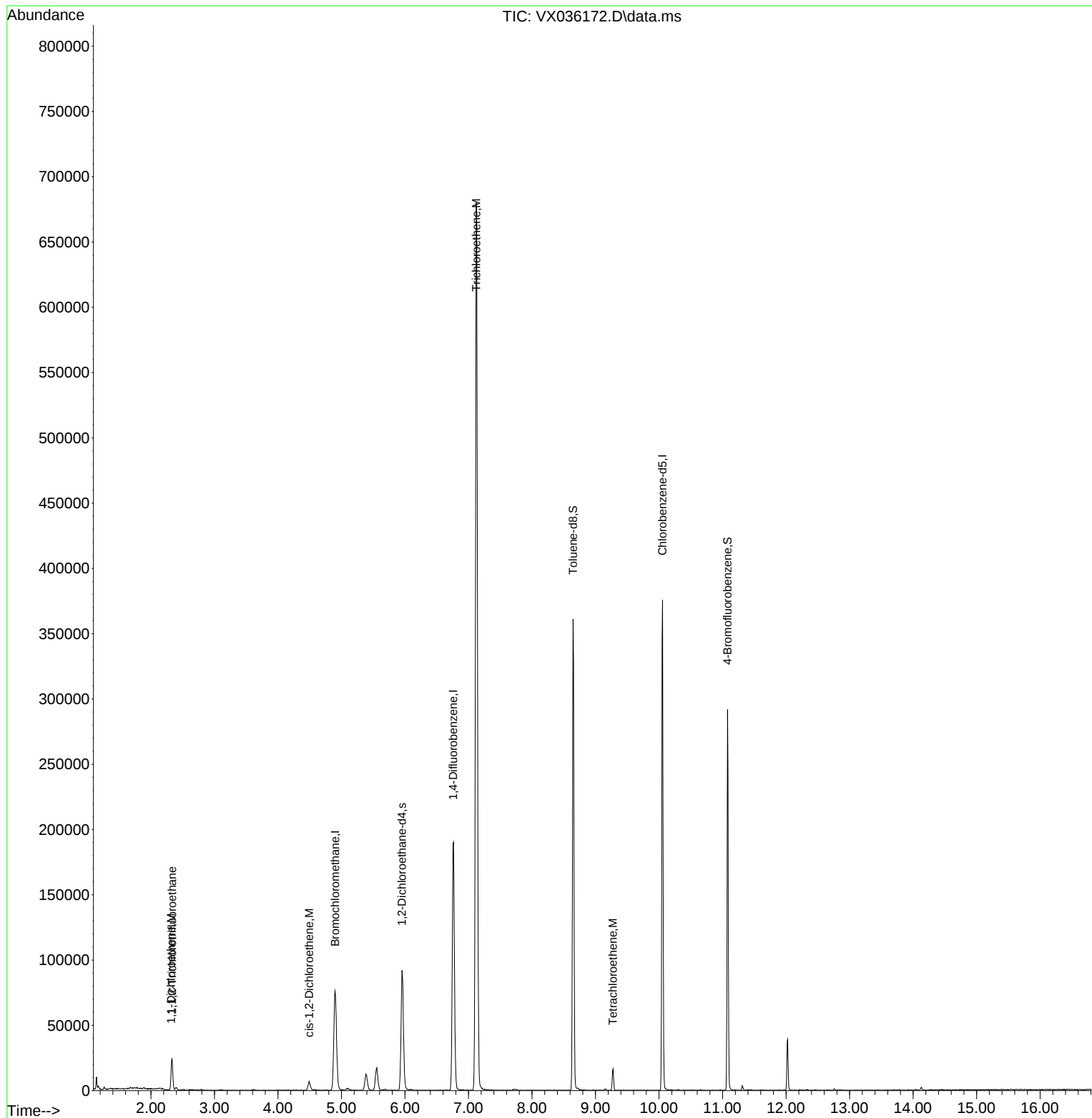
Internal Standards						
1) Bromochloromethane	4.897	128	29392	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	179137	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	155475	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	93761	38.393	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 127.967%#	
60) 4-Bromofluorobenzene	11.079	95	76833	29.451	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.167%	
63) Toluene-d8	8.647	98	201082	29.256	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 97.533%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	8108	5.737	ug/l	100
10) 1,1-Dichloroethene	2.319	96	1352	0.918	ug/l	83
22) cis-1,2-Dichloroethene	4.489	96	4053	1.972	ug/l	85
37) Trichloroethene	7.123	130	245628	124.173	ug/l	88
61) Tetrachloroethene	9.275	164	2465	1.646	ug/l #	78

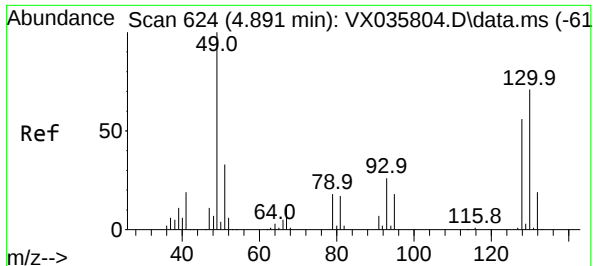
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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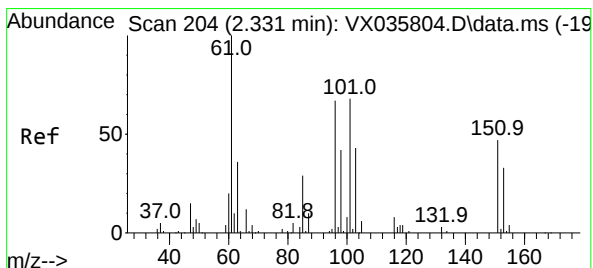
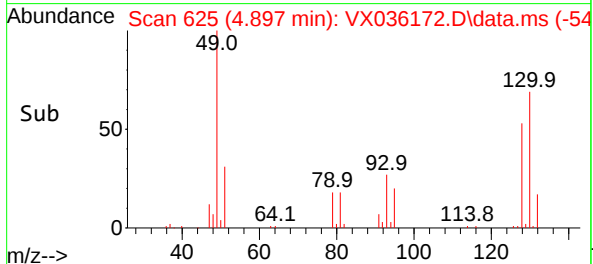
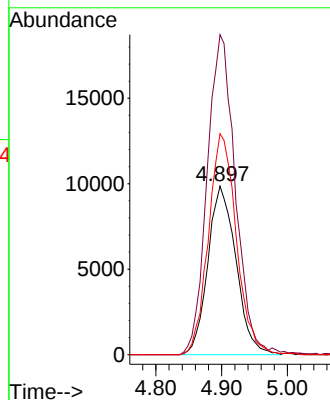
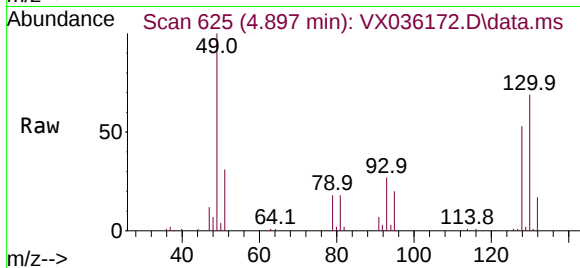




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX036172.D
Acq: 15 Jun 2023 16:15

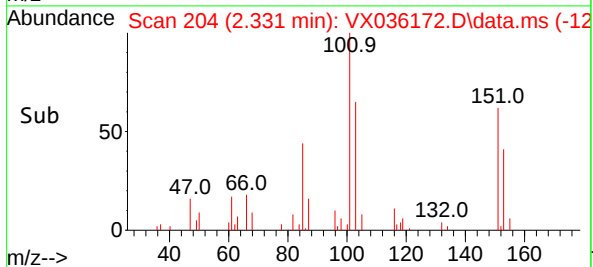
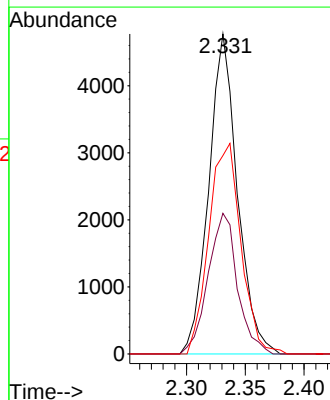
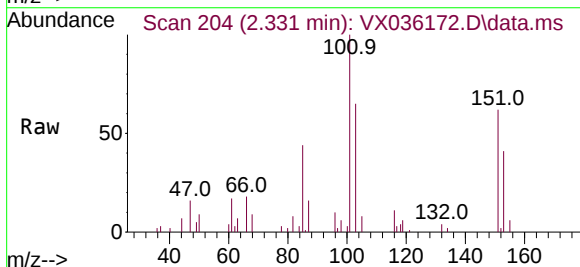
Instrument :
MSVOA_X
ClientSampleId :
RW5A-IDW/GW-20230614

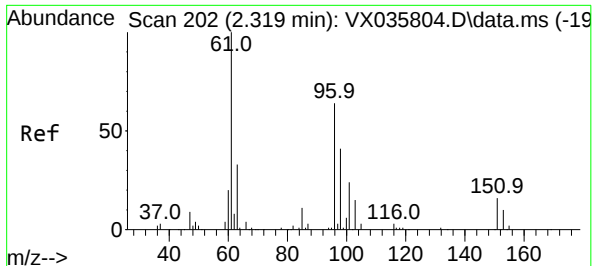
Tgt Ion:	128	Resp:	29392
Ion	Ratio	Lower	Upper
128	100		
49	188.4	0.0	428.8
130	130.0	0.0	310.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.737 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX036172.D
Acq: 15 Jun 2023 16:15

Tgt Ion:	101	Resp:	8108
Ion	Ratio	Lower	Upper
101	100		
85	44.9	0.0	88.8
151	73.7	0.0	147.6





#10

1,1-Dichloroethene

Concen: 0.918 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX036172.D

Acq: 15 Jun 2023 16:15

Instrument :

MSVOA_X

ClientSampleId :

RW5A-IDW/GW-20230614

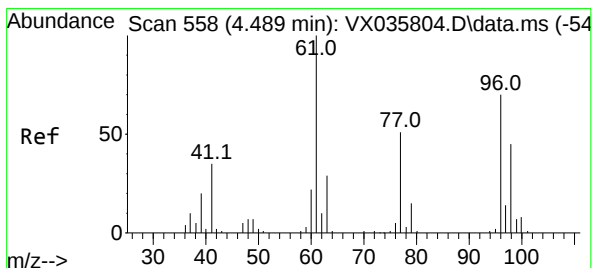
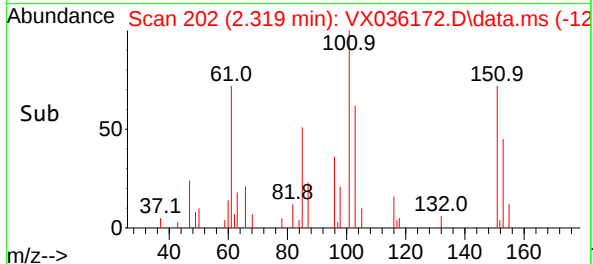
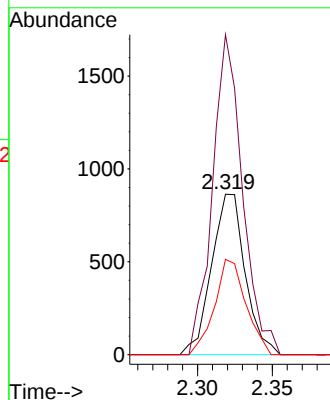
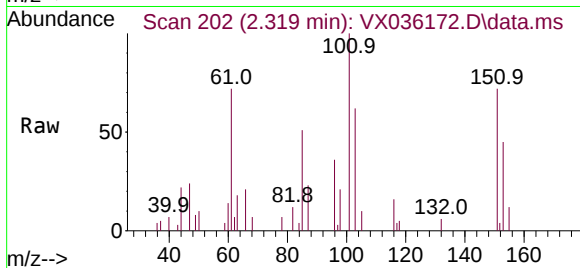
Tgt Ion: 96 Resp: 1352

Ion Ratio Lower Upper

96 100

61 199.4 135.8 203.6

98 59.4 49.8 74.6



#22

cis-1,2-Dichloroethene

Concen: 1.972 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX036172.D

Acq: 15 Jun 2023 16:15

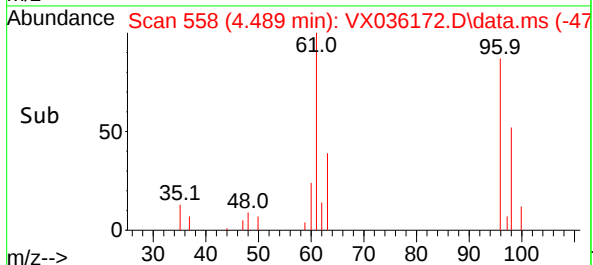
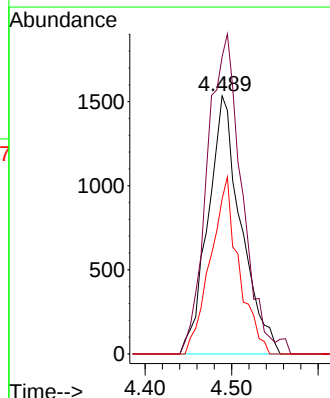
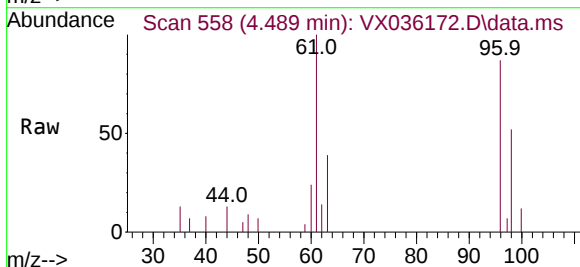
Tgt Ion: 96 Resp: 4053

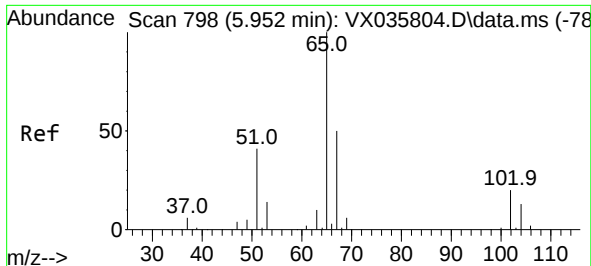
Ion Ratio Lower Upper

96 100

61 129.1 121.7 182.5

98 58.9 52.2 78.2





#27

1,2-Dichloroethane-d4

Concen: 38.393 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036172.D

Acq: 15 Jun 2023 16:15

Instrument :

MSVOA_X

ClientSampleId :

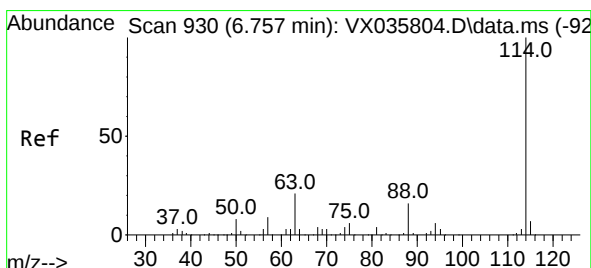
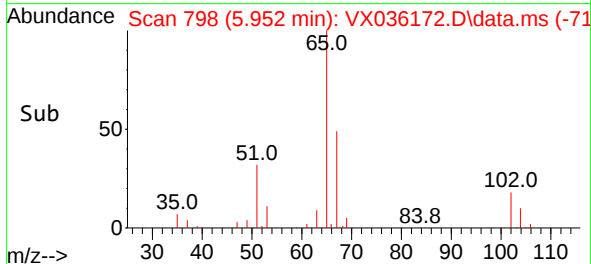
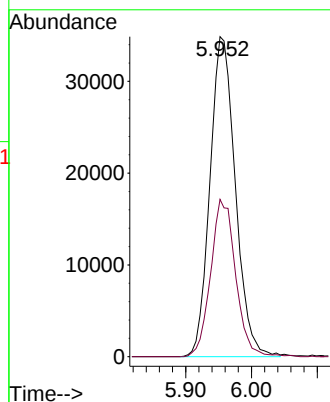
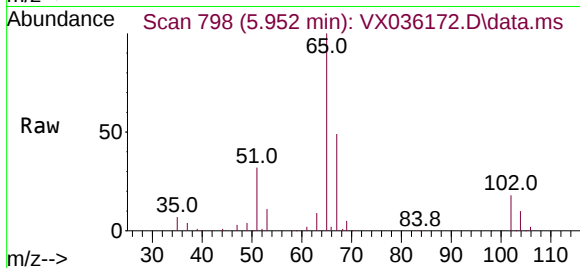
RW5A-IDW/GW-20230614

Tgt Ion: 65 Resp: 93761

Ion Ratio Lower Upper

65 100

67 48.0 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX036172.D

Acq: 15 Jun 2023 16:15

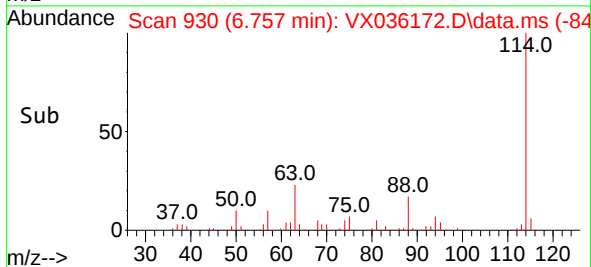
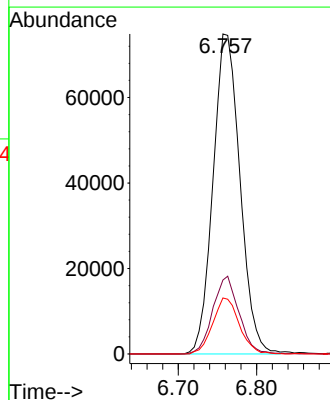
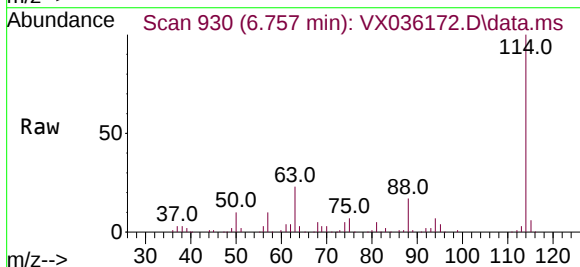
Tgt Ion: 114 Resp: 179137

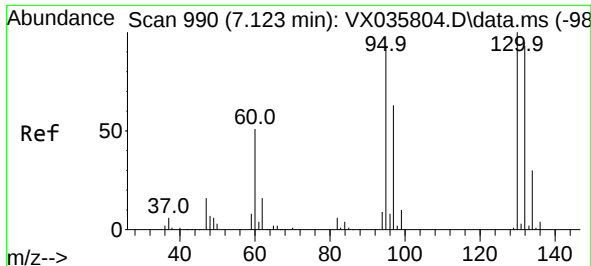
Ion Ratio Lower Upper

114 100

63 23.6 18.0 27.0

88 17.2 13.3 19.9





#37

Trichloroethene

Concen: 124.173 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX036172.D

Acq: 15 Jun 2023 16:15

Instrument :

MSVOA_X

ClientSampleId :

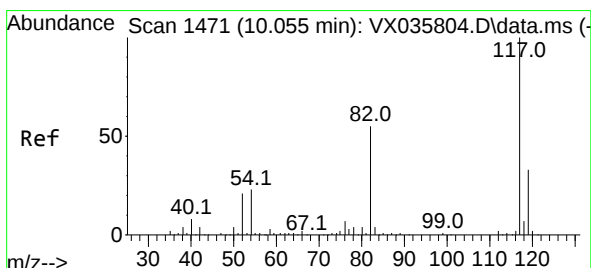
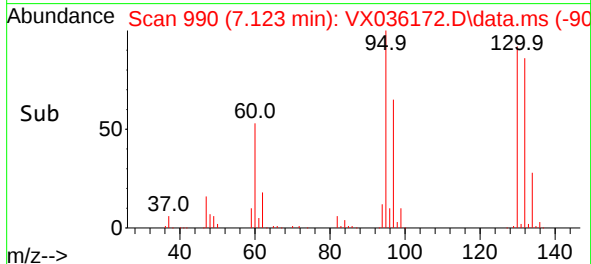
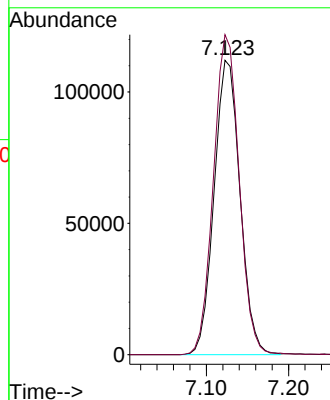
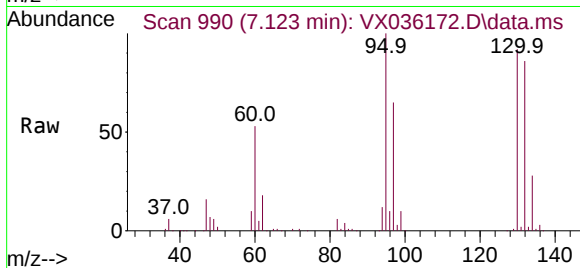
RW5A-IDW/GW-20230614

Tgt Ion:130 Resp: 245628

Ion Ratio Lower Upper

130 100

95 108.7 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: VX036172.D

Acq: 15 Jun 2023 16:15

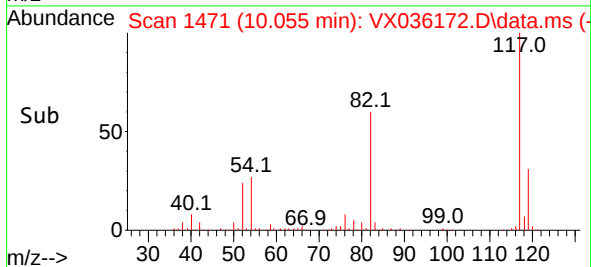
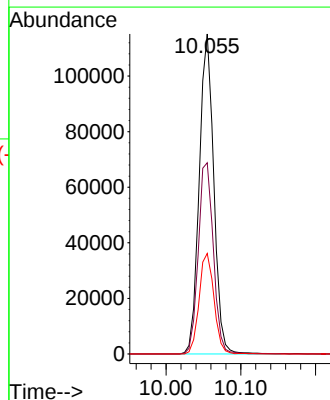
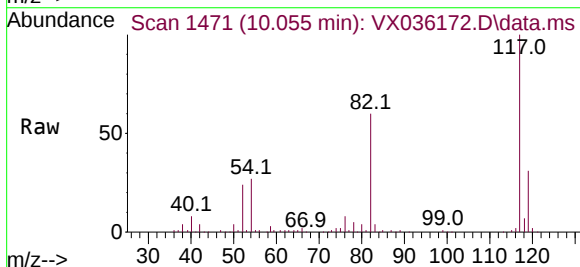
Tgt Ion:117 Resp: 155475

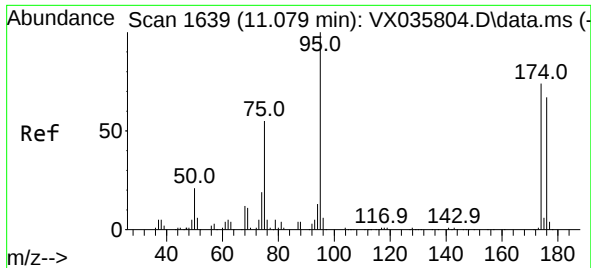
Ion Ratio Lower Upper

117 100

82 61.9 45.8 68.8

119 32.0 25.4 38.0

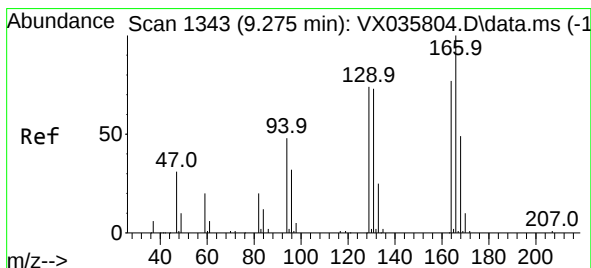
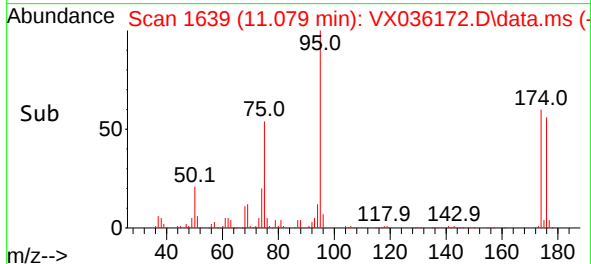
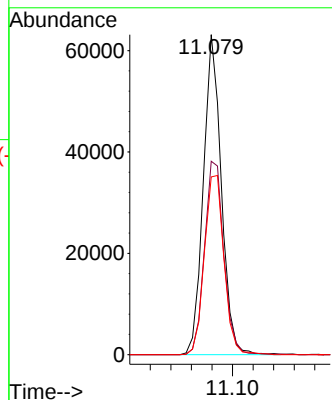
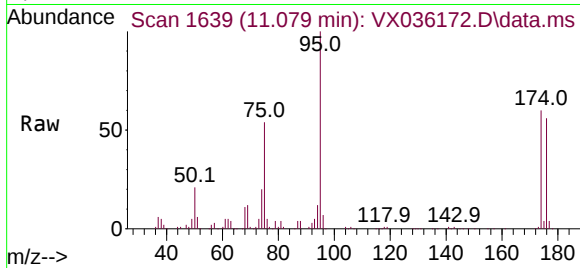




#60
4-Bromofluorobenzene
Concen: 29.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036172.D
Acq: 15 Jun 2023 16:15

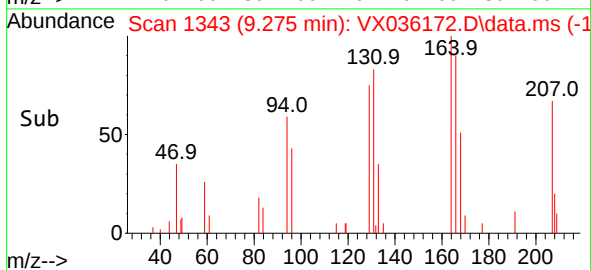
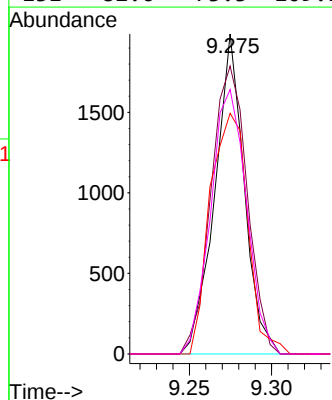
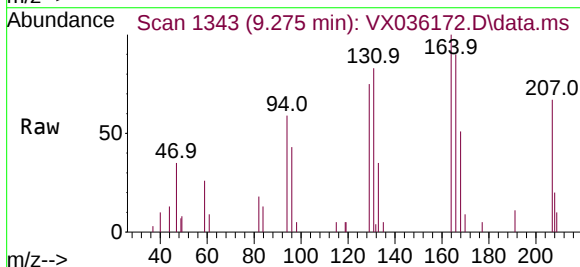
Instrument :
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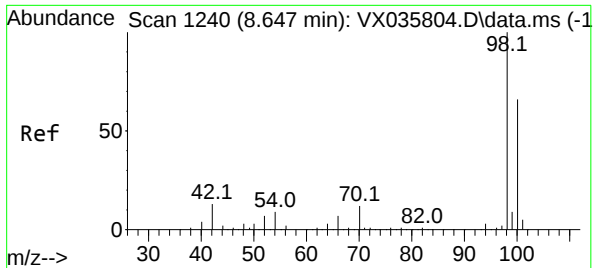
Tgt Ion: 95 Resp: 76833
Ion Ratio Lower Upper
95 100
174 65.1 0.2 0.4#
176 61.1 0.2 0.2#



#61
Tetrachloroethene
Concen: 1.646 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX036172.D
Acq: 15 Jun 2023 16:15

Tgt Ion:164 Resp: 2465
Ion Ratio Lower Upper
164 100
166 89.9 100.1 150.1#
129 75.2 79.1 118.7#
131 82.6 73.3 109.9





#63
 Toluene-d8
 Concen: 29.256 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036172.D
 Acq: 15 Jun 2023 16:15

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

Tgt Ion: 98 Resp: 201082
 Ion Ratio Lower Upper
 98 100
 100 66.3 52.1 78.1

