

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
 Data File : VX017617.D
 Acq On : 27 Jul 2020 14:50
 Operator : JC/SP
 Sample : L3450-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-018-IDWGW-20200723

Quant Time: Aug 06 03:38:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:38:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	108830	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	553747	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	508137	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	244137	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	11.12	95	242121	28.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.80%
63) Toluene-d8	8.70	98	689306	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

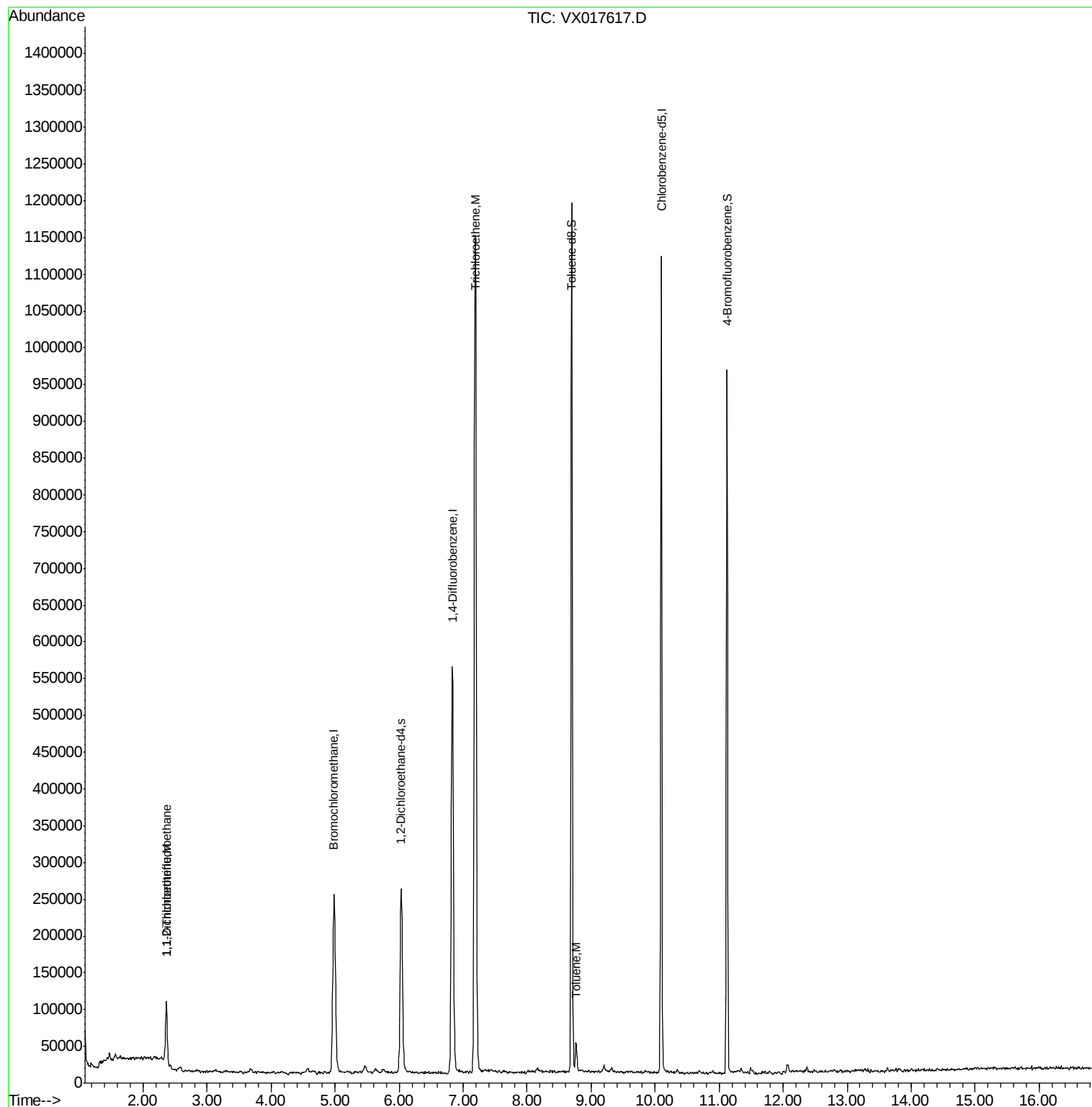
					Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21492	3.810	ug/l 96
10) 1,1-Dichloroethene	2.36	96	13174	2.516	ug/l 91
37) Trichloroethene	7.19	130	465608	68.144	ug/l 94
62) Toluene	8.76	91	25585	1.013	ug/l 96

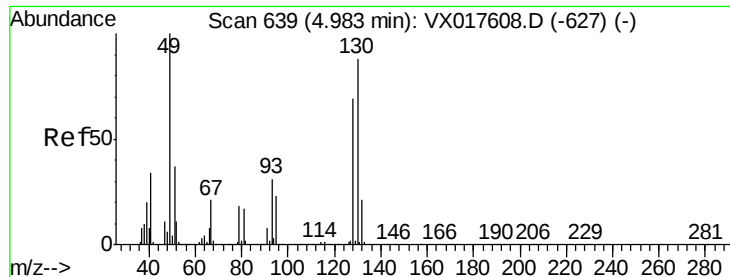
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX017617.D

Acq: 27 Jul 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT-018-IDW/GW-20200723

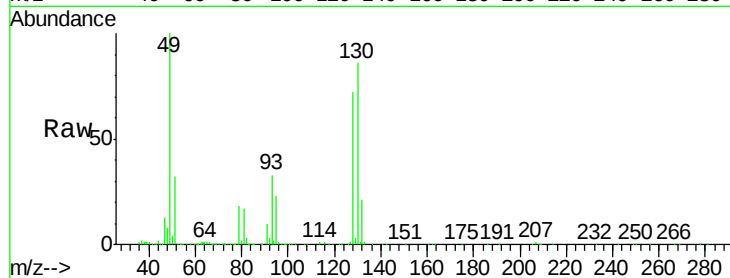
Tgt Ion:128 Resp: 108830

Ion Ratio Lower Upper

128 100

49 149.4 0.0 376.0

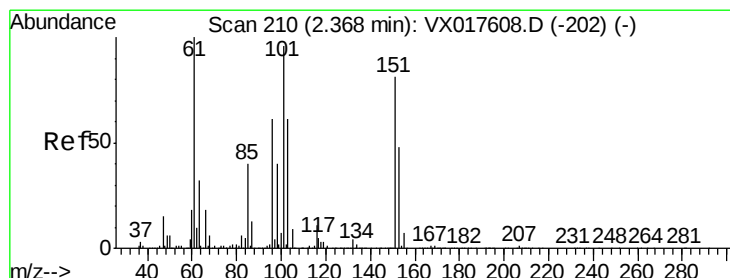
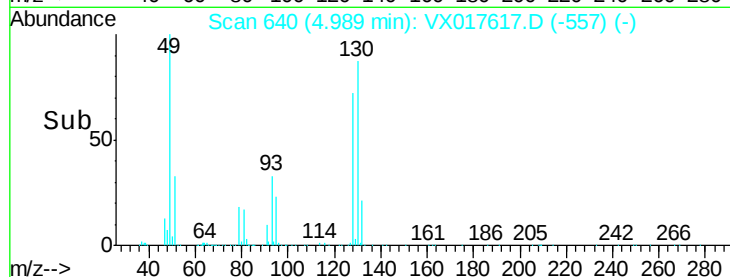
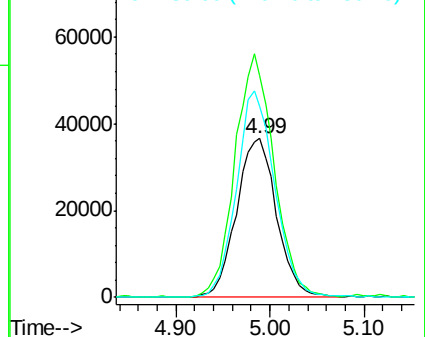
130 124.9 0.0 323.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.810 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017617.D

Acq: 27 Jul 2020 14:50

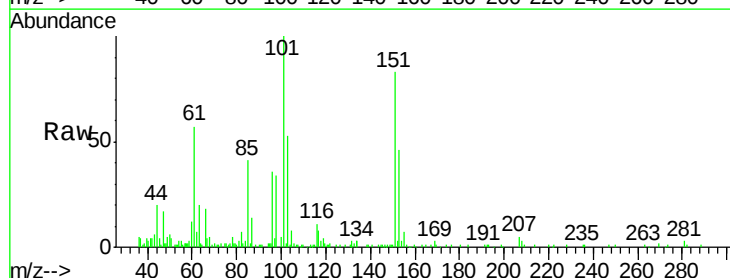
Tgt Ion:101 Resp: 21492

Ion Ratio Lower Upper

101 100

85 45.6 0.0 90.6

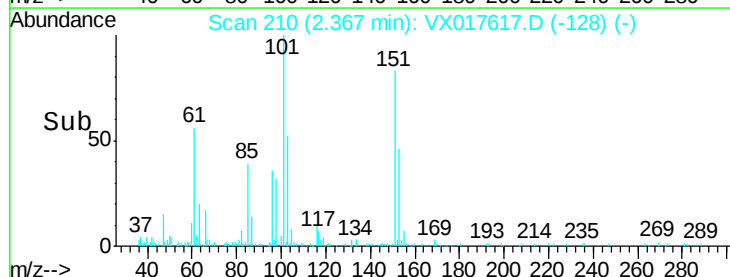
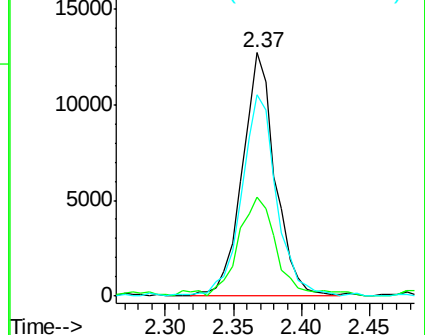
151 86.9 0.0 163.2

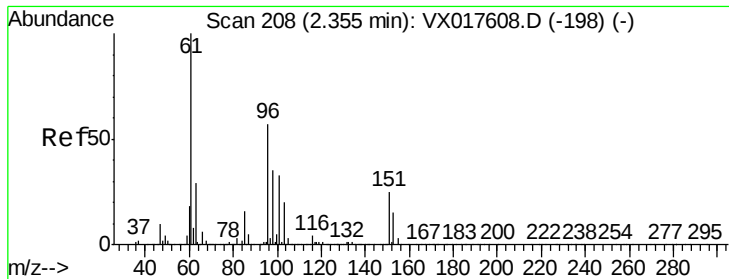


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V

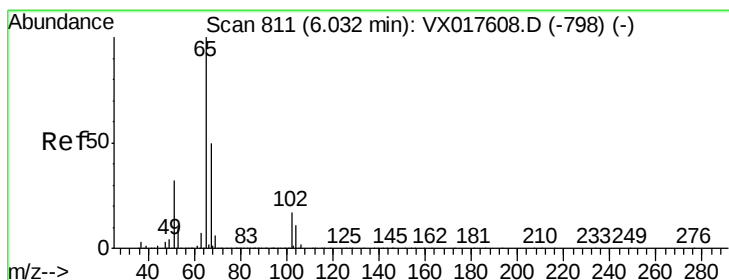
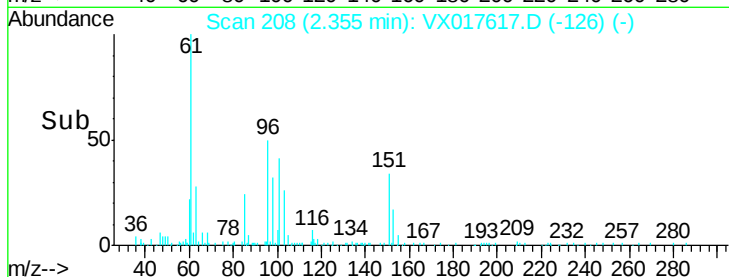
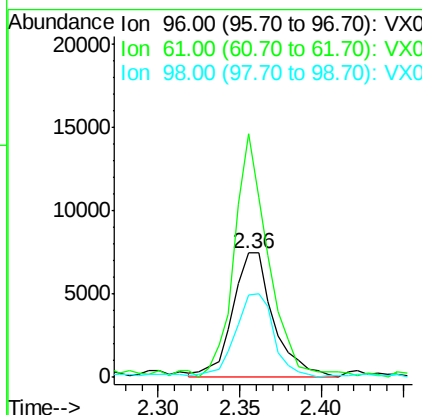
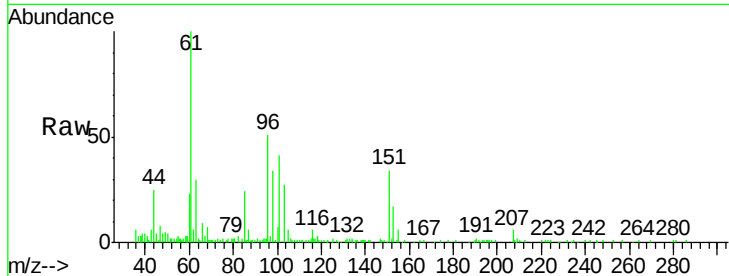




#10
 1,1-Dichloroethene
 Concen: 2.516 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX017617.D
 Acq: 27 Jul 2020 14:50

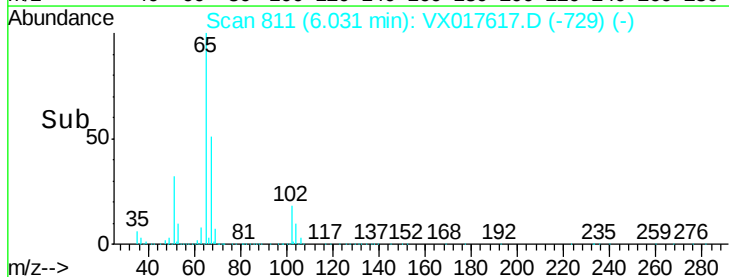
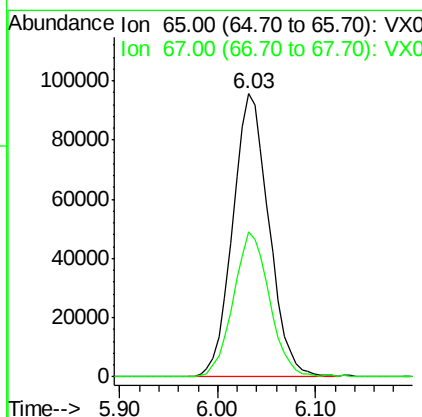
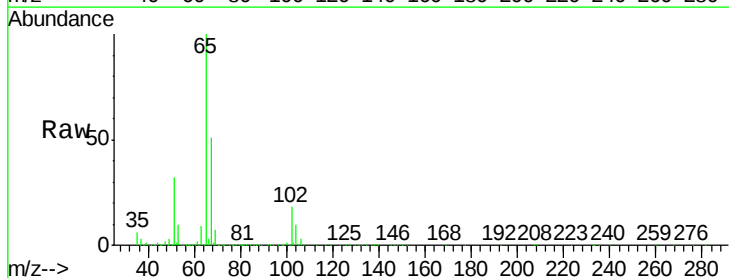
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-018-IDW/GW-20200723

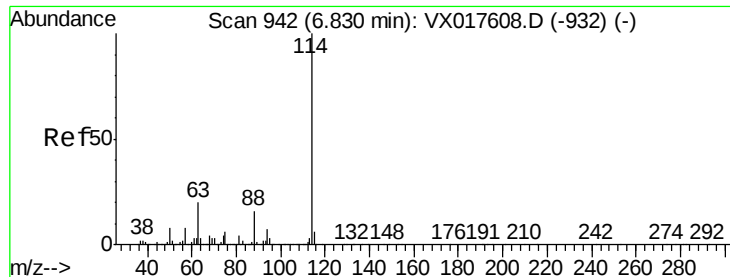
Tgt Ion: 96 Resp: 13174
 Ion Ratio Lower Upper
 96 100
 61 192.0 141.2 211.8
 98 64.9 49.4 74.2



#27
 1,2-Dichloroethane-d4
 Concen: 29.193 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017617.D
 Acq: 27 Jul 2020 14:50

Tgt Ion: 65 Resp: 244137
 Ion Ratio Lower Upper
 65 100
 67 51.3 40.6 61.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017617.D

Acq: 27 Jul 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

TT-018-IDWGW-20200723

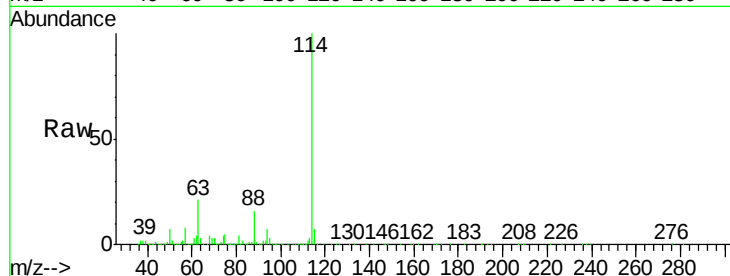
Tgt Ion:114 Resp: 553747

Ion Ratio Lower Upper

114 100

63 20.3 16.3 24.5

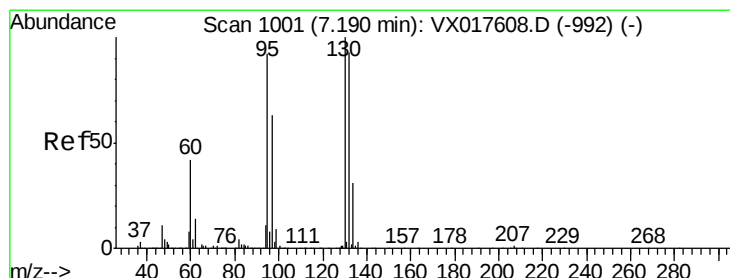
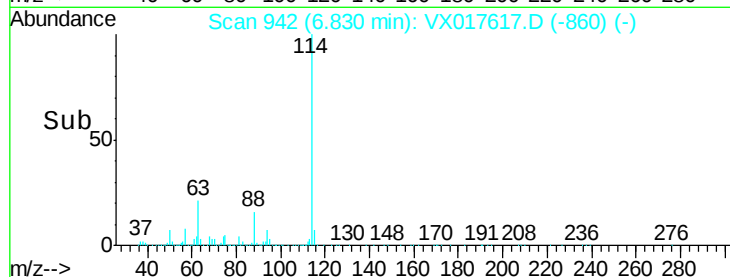
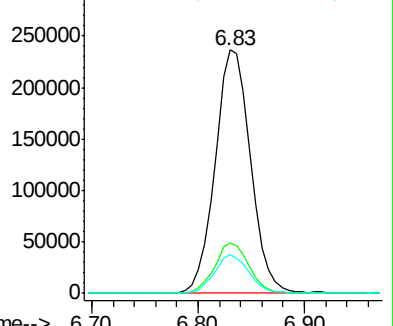
88 15.4 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#37

Trichloroethene

Concen: 68.144 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017617.D

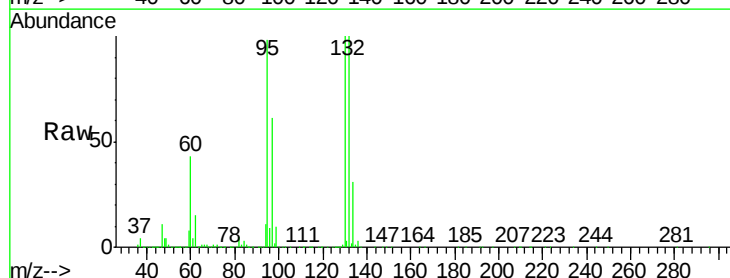
Acq: 27 Jul 2020 14:50

Tgt Ion:130 Resp: 465608

Ion Ratio Lower Upper

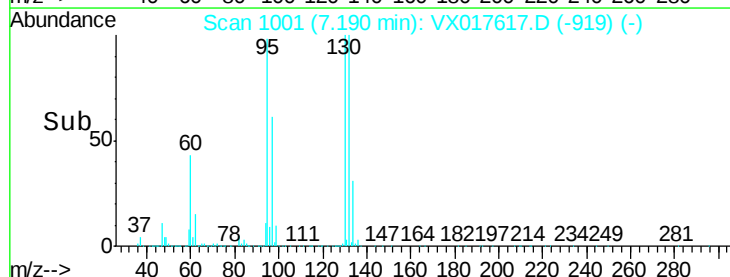
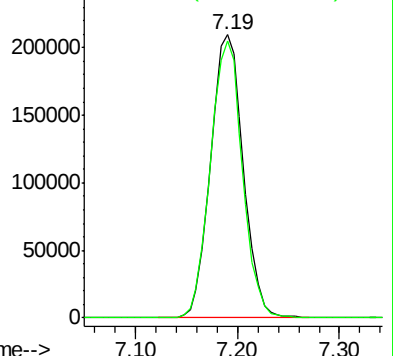
130 100

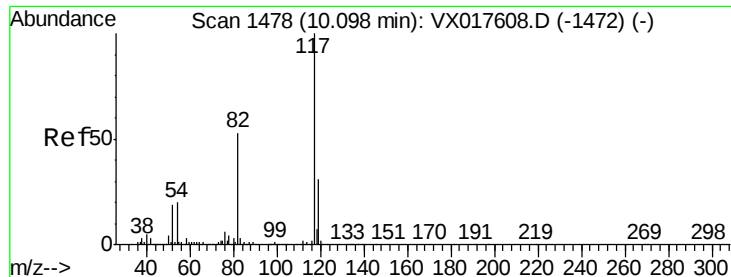
95 97.9 73.9 110.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

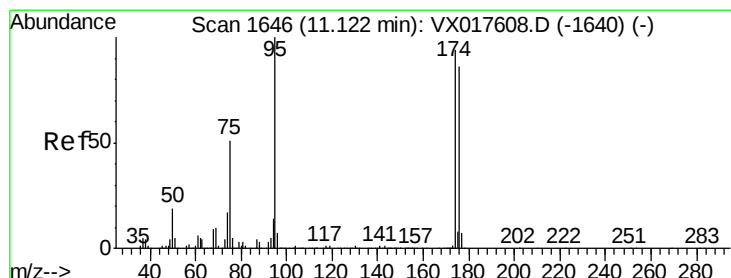
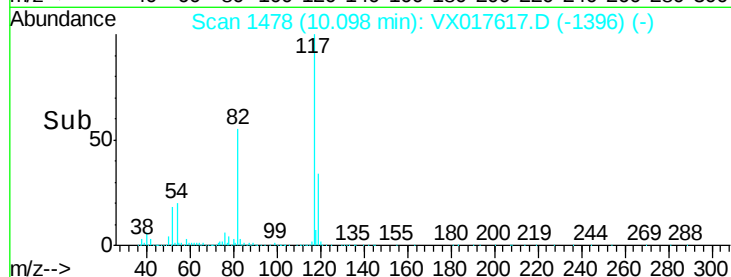
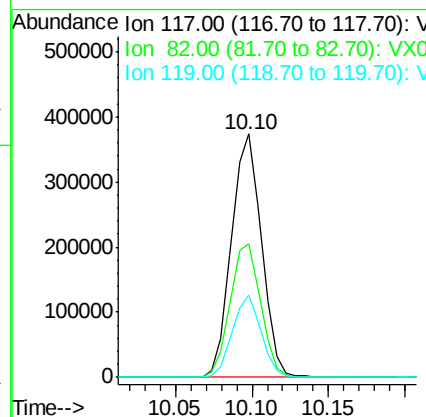
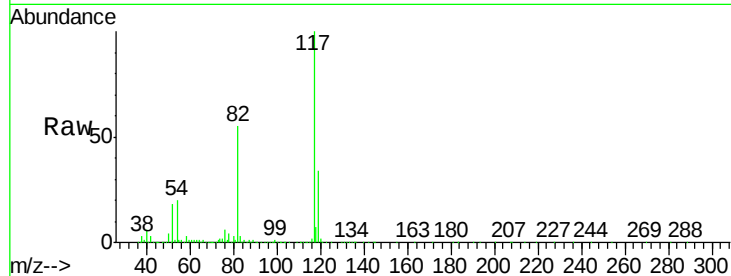




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017617.D
Acq: 27 Jul 2020 14:50

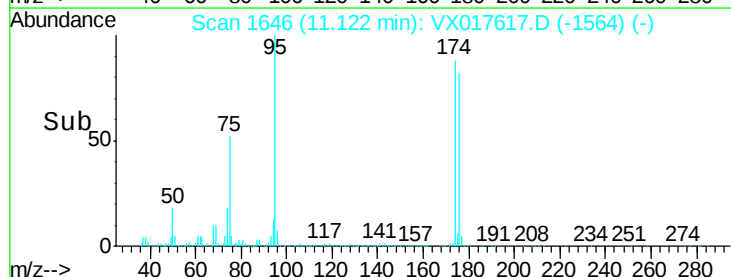
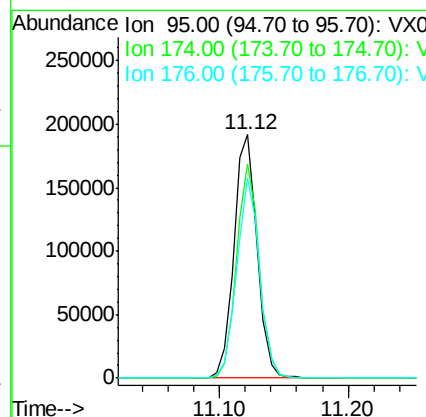
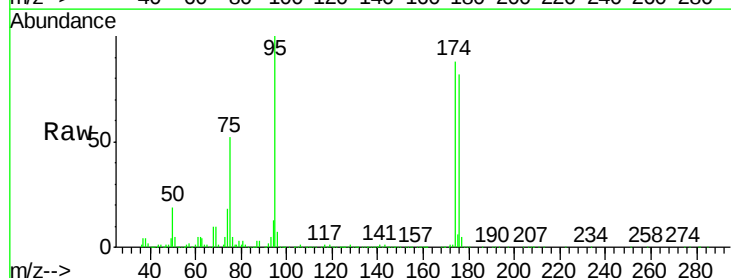
Instrument :
MSVOA_X
ClientSampleId :
TT-018-IDW/GW-20200723

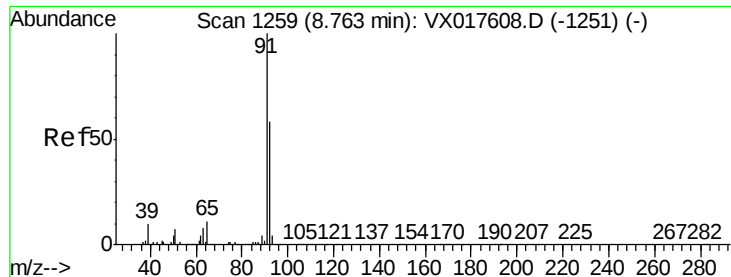
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.6	65.4
119	32.6	25.7	38.5



#60
4-Bromofluorobenzene
Concen: 28.136 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017617.D
Acq: 27 Jul 2020 14:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	70.2	105.2
176	80.5	65.6	98.4





#62

Toluene

Concen: 1.013 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017617.D

Acq: 27 Jul 2020 14:50

Instrument :

MSVOA_X

ClientSampleId :

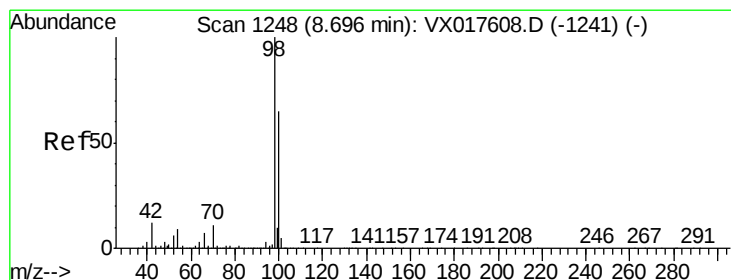
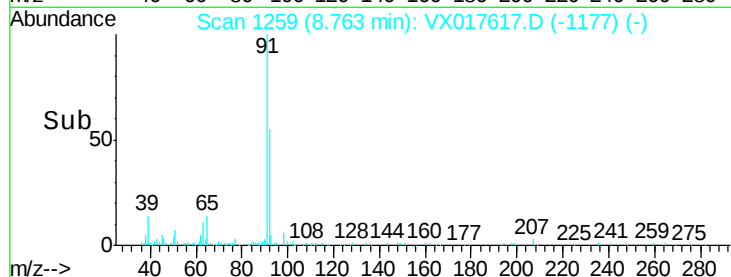
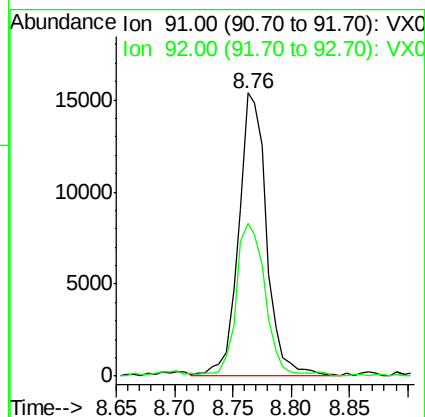
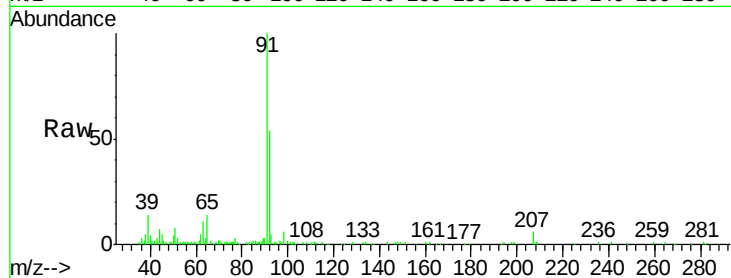
TT-018-IDW/GW-20200723

Tgt Ion: 91 Resp: 25585

Ion Ratio Lower Upper

91 100

92 55.9 46.9 70.3



#63

Toluene-d8

Concen: 30.655 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017617.D

Acq: 27 Jul 2020 14:50

Tgt Ion: 98 Resp: 689306

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9

