

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019085.D
 Acq On : 23 Oct 2020 18:45
 Operator : JC/SP
 Sample : L4473-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-020-IDWGW-20201019

Quant Time: Oct 26 04:55:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	44863	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	245159	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	217855	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.03	65	89912	30.09	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.30%
60) 4-Bromofluorobenzene	11.12	95	96714	29.58	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.60%
63) Toluene-d8	8.70	98	290339	30.18	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.60%

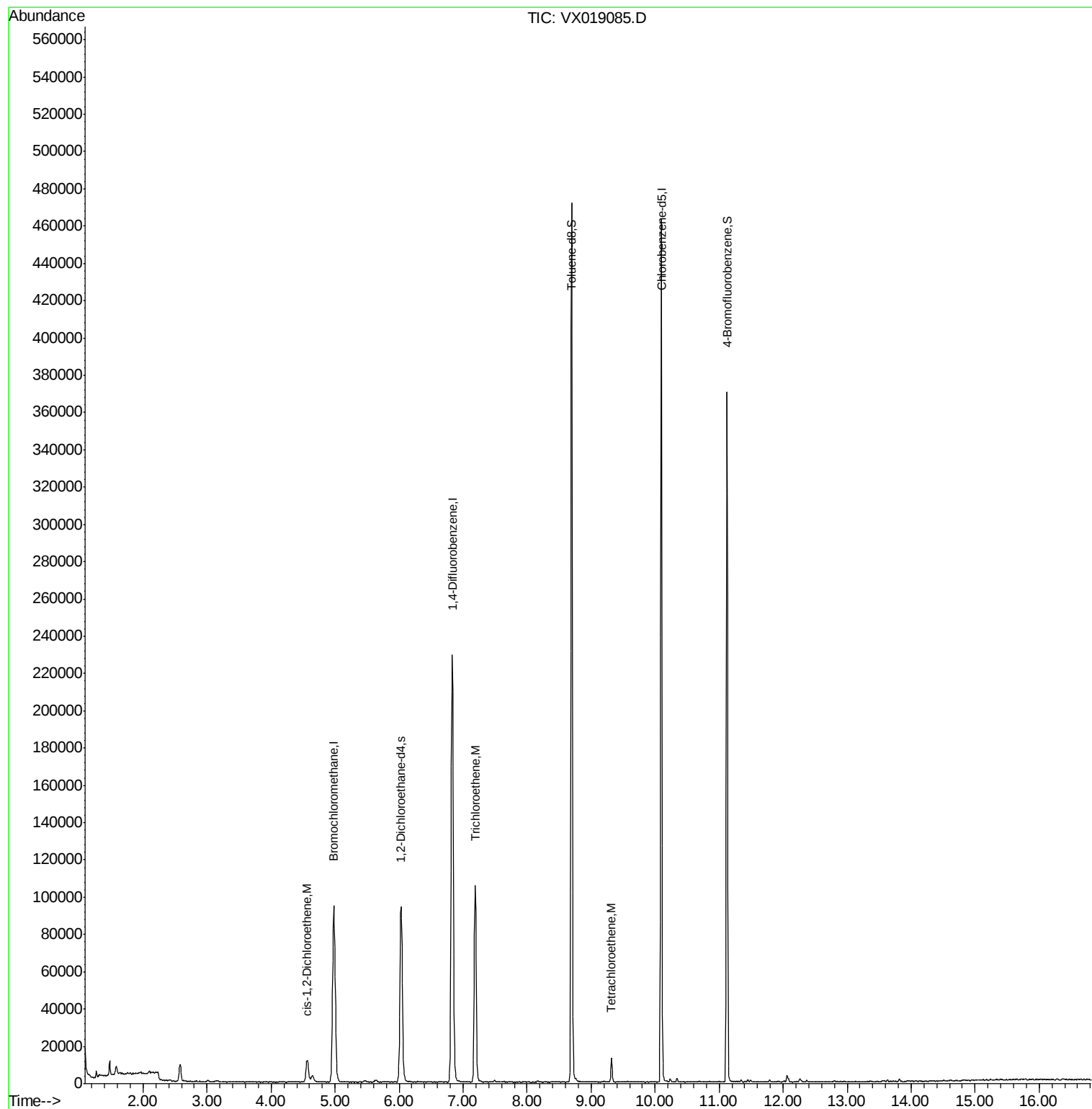
Target Compounds					Ovalue
22) cis-1,2-Dichloroethene	4.56	96	8108	2.654 ug/l	93
37) Trichloroethene	7.19	130	41760	14.277 ug/l	100
61) Tetrachloroethene	9.32	164	2471	0.956 ug/l	92

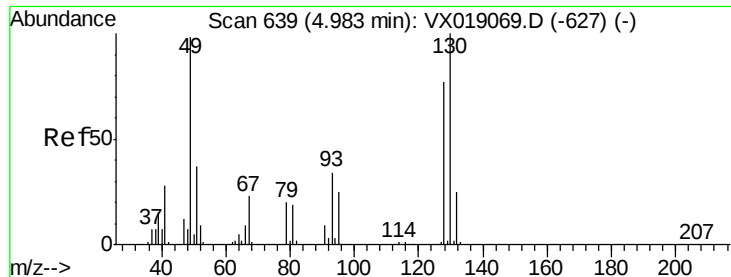
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
Data File : VX019085.D
Acq On : 23 Oct 2020 18:45
Operator : JC/SP
Sample : L4473-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT-020-IDW/GW-20201019

Quant Time: Oct 26 04:55:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 03:21:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

TT-020-IDW/GW-20201019

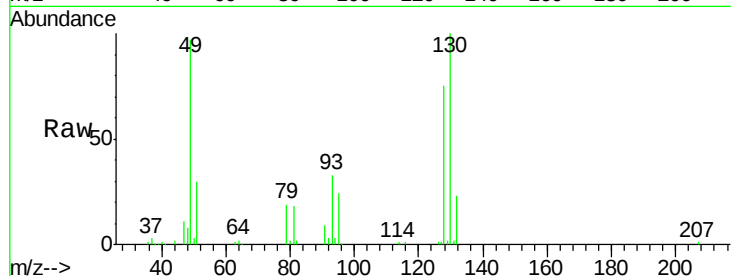
Tot Ion:128 Resp: 44863

Ion Ratio Lower Upper

128 100

49 127.1 0.0 318.8

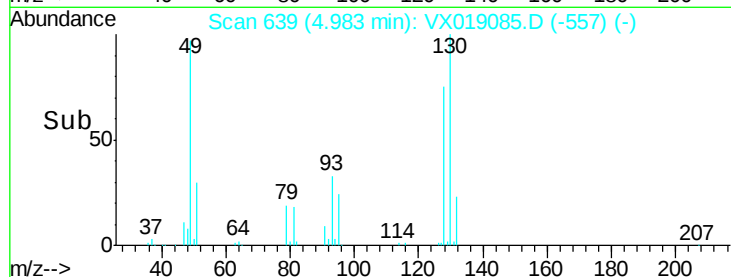
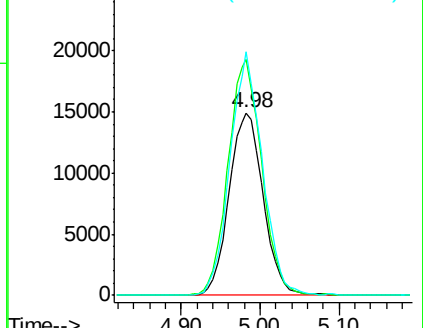
130 125.9 0.0 321.8



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



#22

cis-1,2-Dichloroethene

Concen: 2.654 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

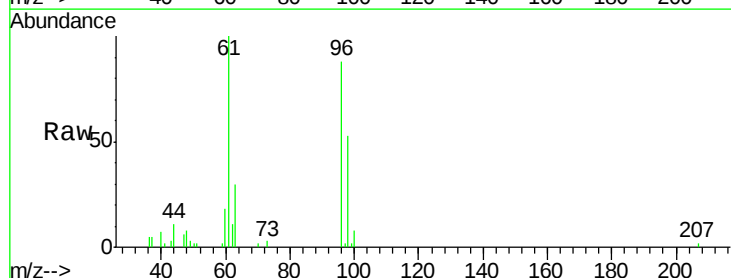
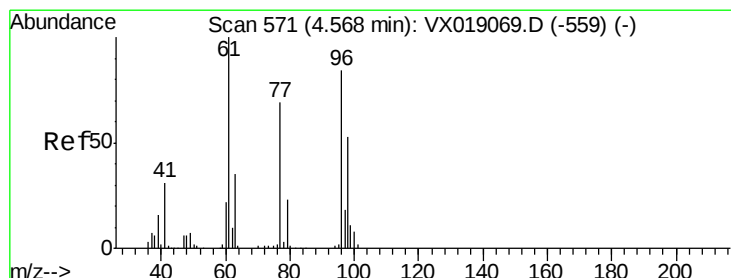
Tgt Ion: 96 Resp: 8108

Ion Ratio Lower Upper

96 100

61 115.5 101.9 152.9

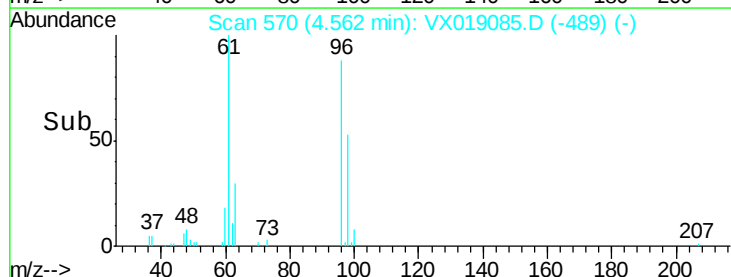
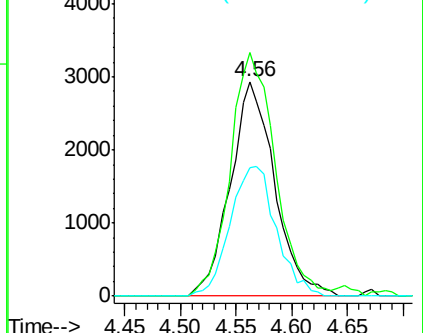
98 62.7 51.3 76.9

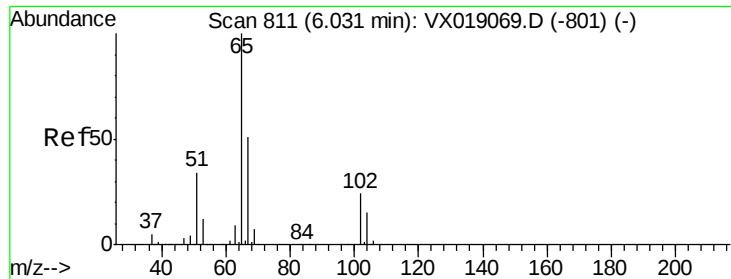


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

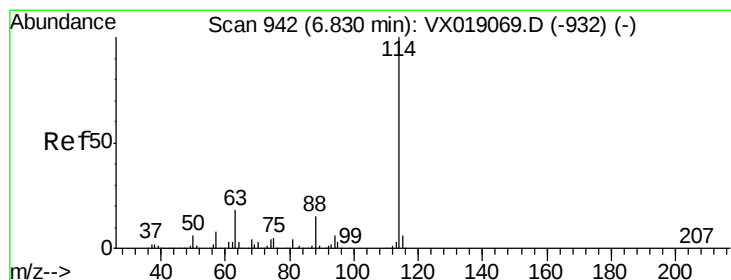
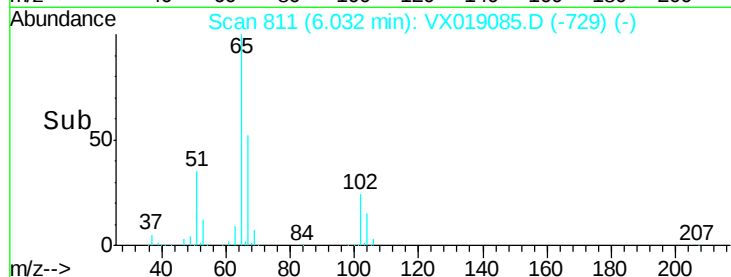
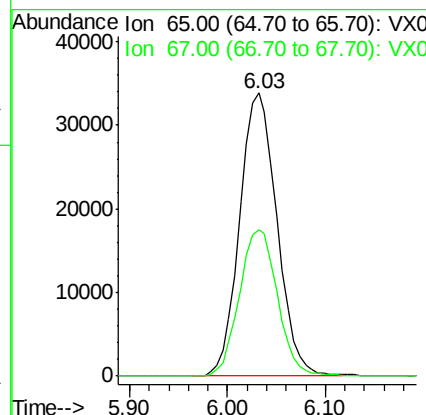
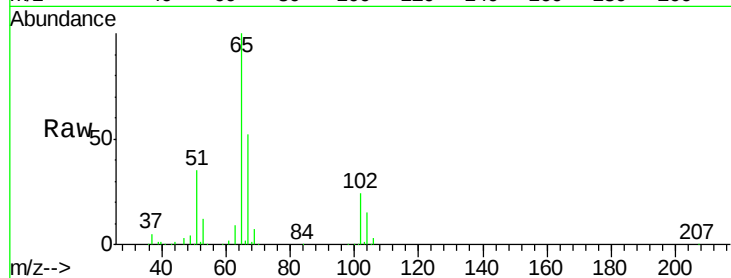




#27
 1,2-Dichloroethane-d4
 Concen: 30.089 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019085.D
 Acq: 23 Oct 2020 18:45

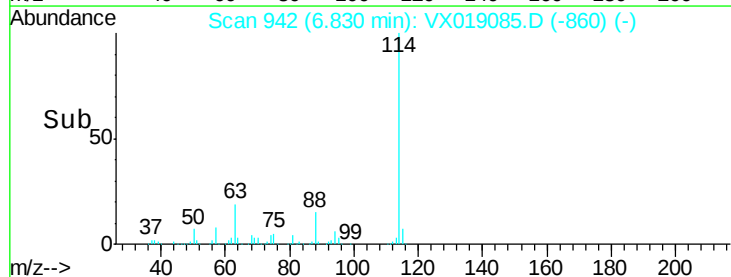
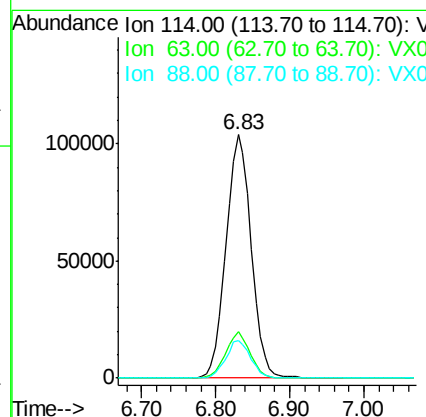
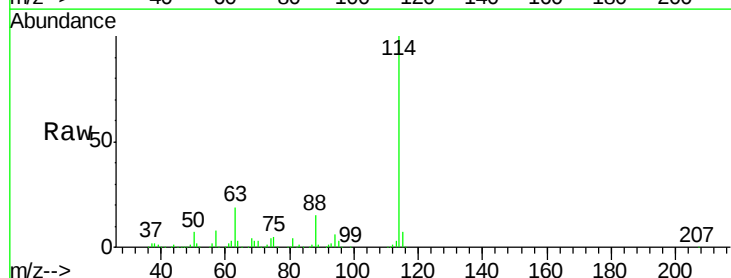
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-020-IDW/GW-20201019

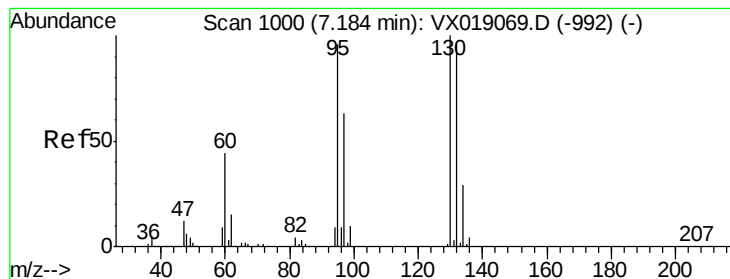
Tot Ion: 65 Resp: 89912
 Ion Ratio Lower Upper
 65 100
 67 52.6 42.0 63.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019085.D
 Acq: 23 Oct 2020 18:45

Tgt Ion: 114 Resp: 245159
 Ion Ratio Lower Upper
 114 100
 63 18.3 14.6 21.8
 88 15.1 12.2 18.2





#37

Trichloroethene

Concen: 14.277 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

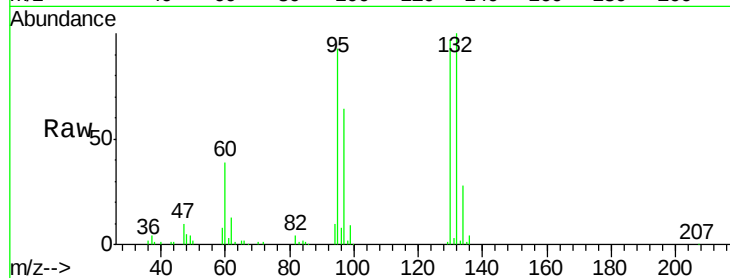
TT-020-IDW/GW-20201019

Tot Ion:130 Resp: 41760

Ion Ratio Lower Upper

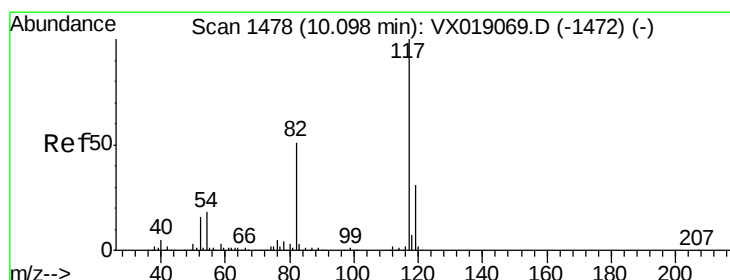
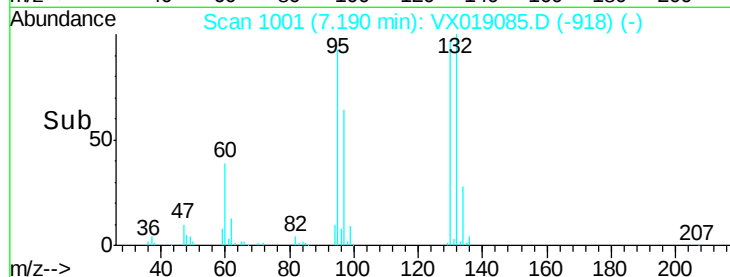
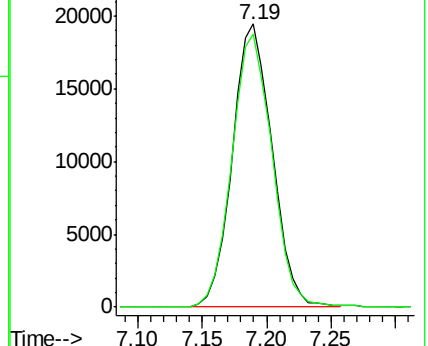
130 100

95 96.3 76.8 115.2



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: VX019085.D

Acq: 23 Oct 2020 18:45

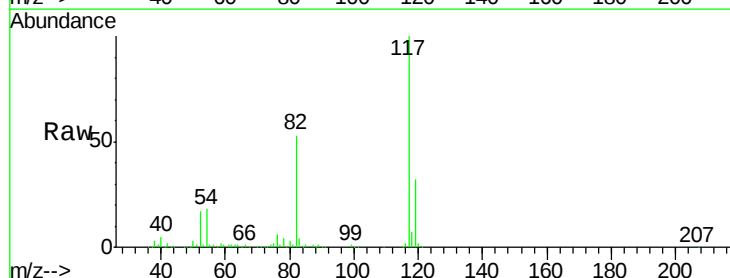
Tgt Ion:117 Resp: 217855

Ion Ratio Lower Upper

117 100

82 54.0 42.5 63.7

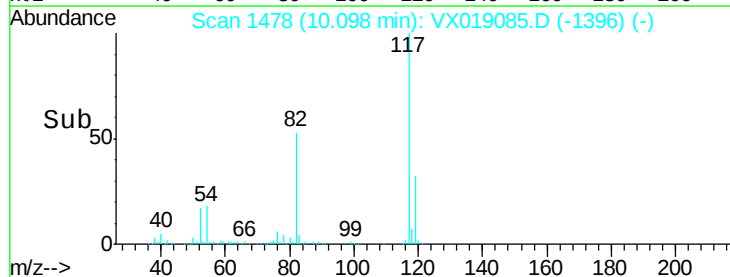
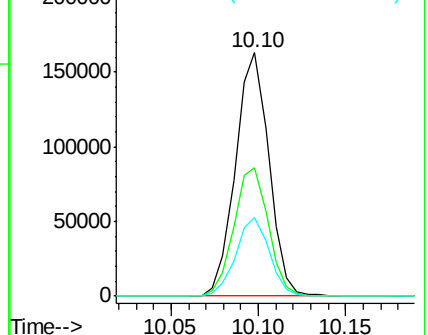
119 32.2 25.6 38.4

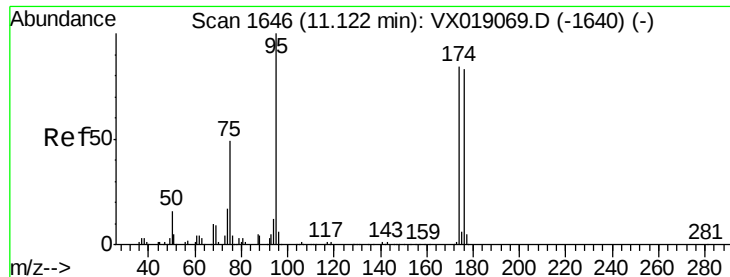


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 29.578 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

TT-020-IDW/GW-20201019

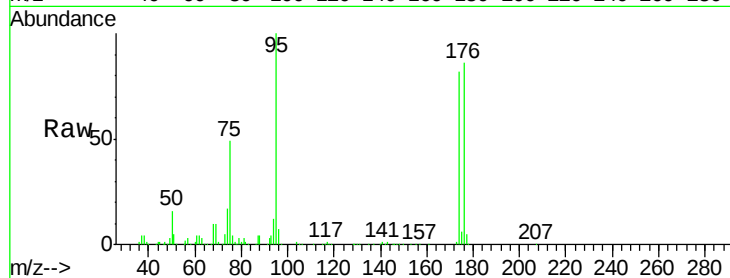
Tot Ion: 95 Resp: 96714

Ion Ratio Lower Upper

95 100

174 83.6 66.3 99.5

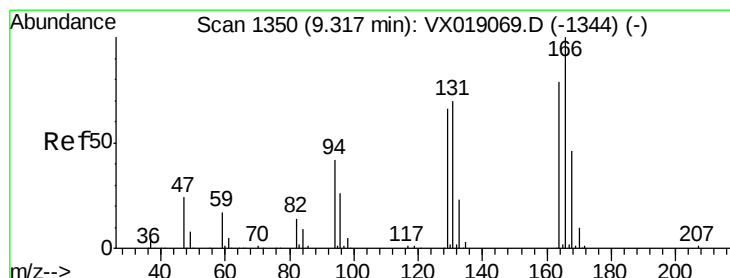
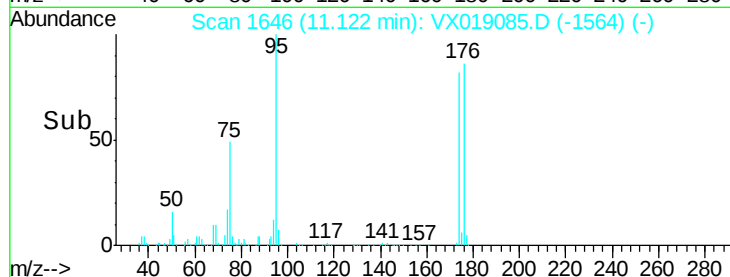
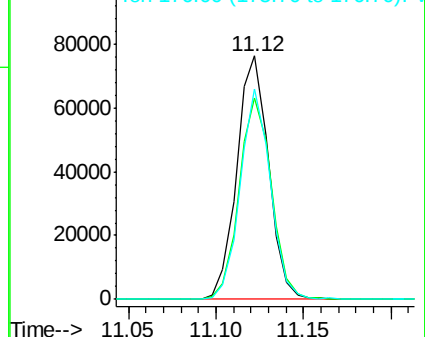
176 81.8 65.5 98.3



Abundance Ion 95.00 (94.70 to 95.70): VX

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#61

Tetrachloroethene

Concen: 0.956 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Tgt Ion:164 Resp: 2471

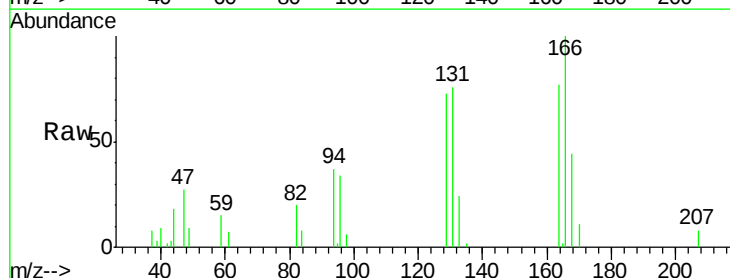
Ion Ratio Lower Upper

164 100

166 130.0 101.9 152.9

129 95.4 67.0 100.6

131 99.1 71.1 106.7

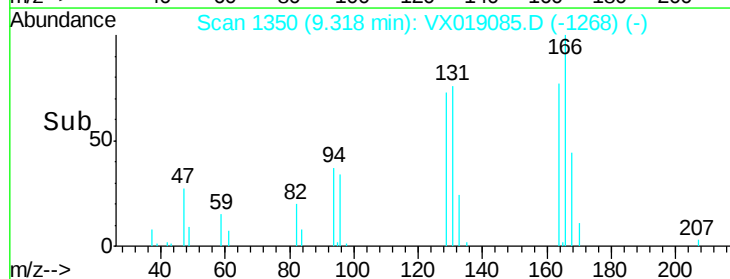
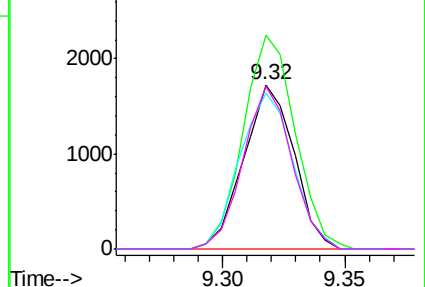


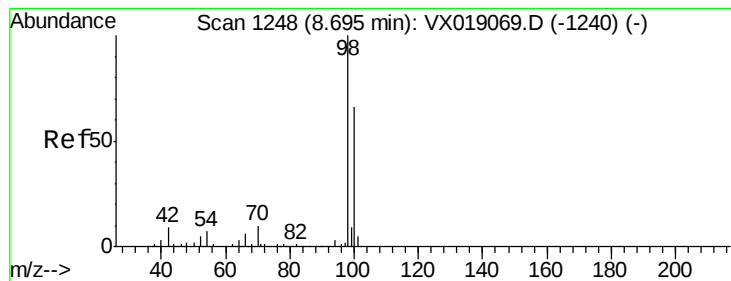
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#63

Toluene-d8

Concen: 30.185 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

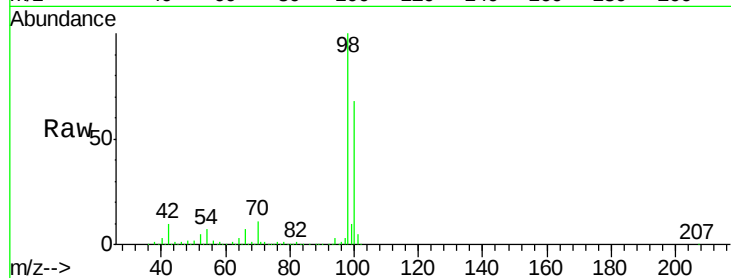
TT-020-IDW/GW-20201019

Tot Ion: 98 Resp: 290339

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

200000

150000

100000

50000

0

Time--> 8.60 8.65 8.70 8.75 8.80

