

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019086.D
 Acq On : 23 Oct 2020 19:08
 Operator : JC/SP
 Sample : L4473-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-021-IDW/GW-20201019

Quant Time: Oct 26 11:49:22 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	42003	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	233651	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	206809	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	85449	30.54	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.80%
60) 4-Bromofluorobenzene	11.12	95	92066	29.66	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.87%
63) Toluene-d8	8.70	98	276761	30.31	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.03%

Target Compounds

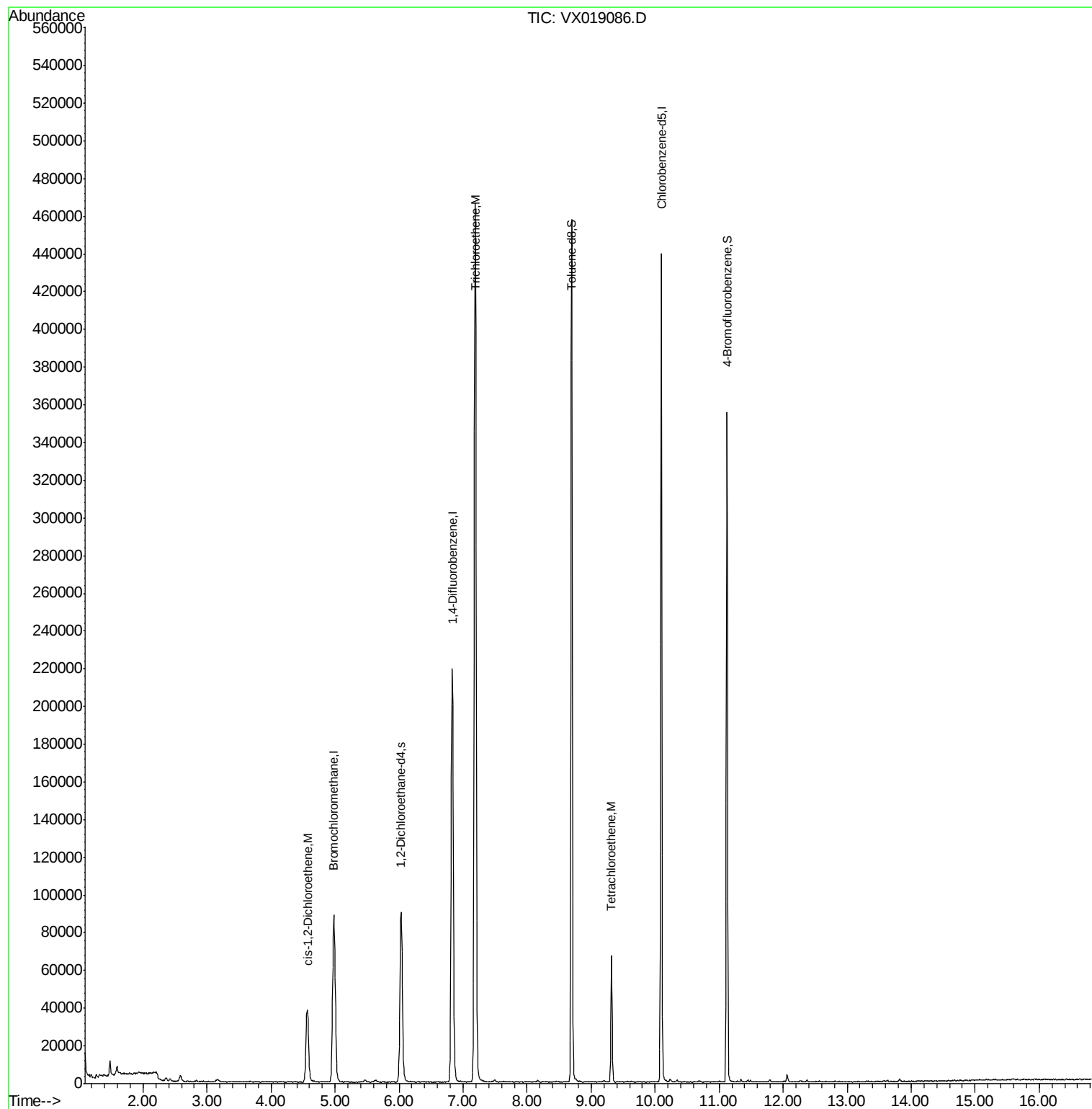
					Ovalue
22) cis-1,2-Dichloroethene	4.57	96	26820	9.376	ug/l 93
37) Trichloroethene	7.19	130	182603	65.503	ug/l 99
61) Tetrachloroethene	9.32	164	12811	5.222	ug/l 97

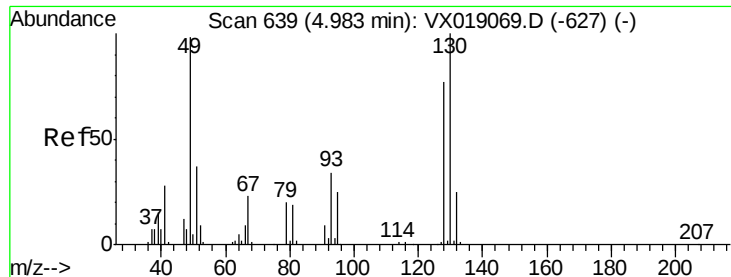
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 26 03:21:29 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX019086.D

Acq: 23 Oct 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

TT-021-IDW/GW-20201019

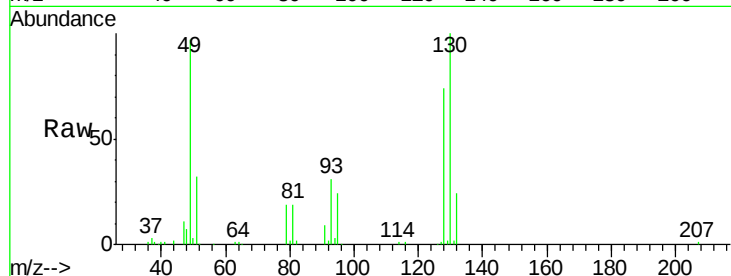
Tot Ion:128 Resp: 42003

Ion Ratio Lower Upper

128 100

49 129.4 0.0 318.8

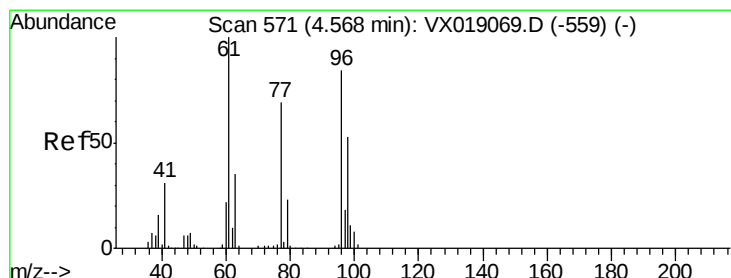
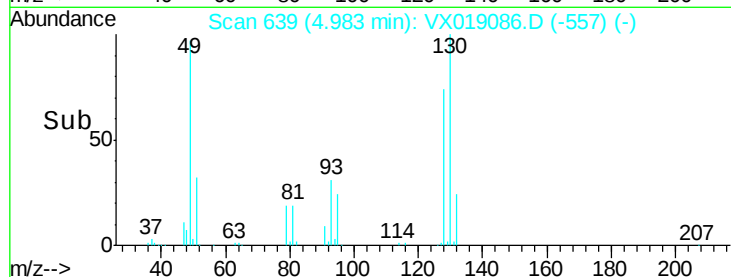
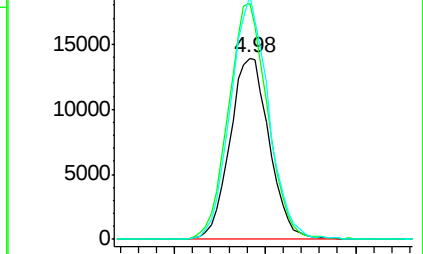
130 128.6 0.0 321.8



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: 9.376 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX019086.D

Acq: 23 Oct 2020 19:08

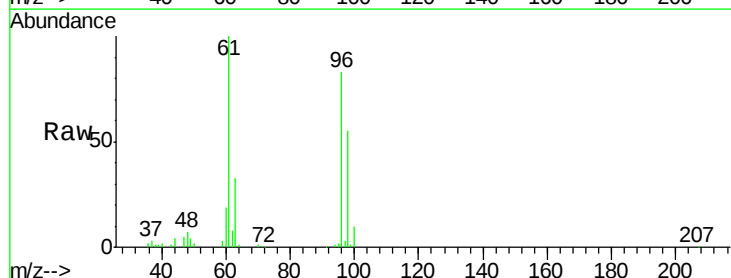
Tgt Ion: 96 Resp: 26820

Ion Ratio Lower Upper

96 100

61 114.9 101.9 152.9

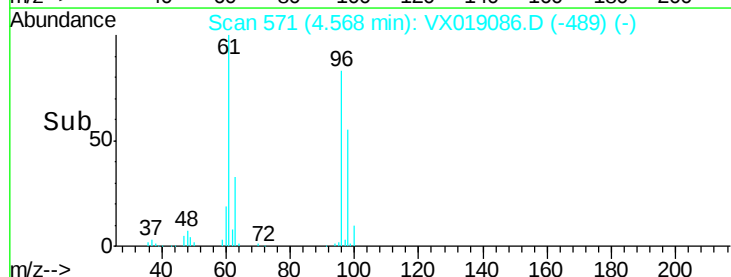
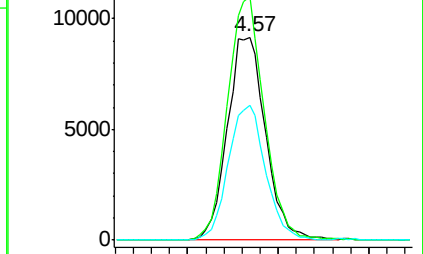
98 64.4 51.3 76.9

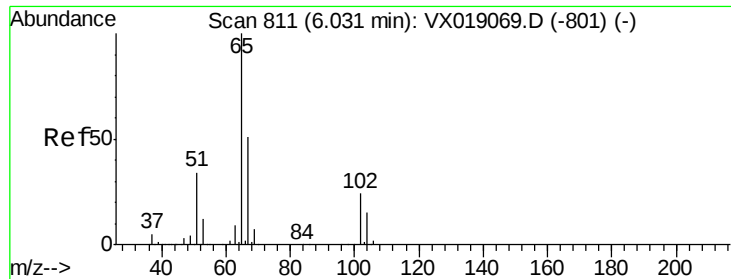


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.543 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019086.D

Acq: 23 Oct 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

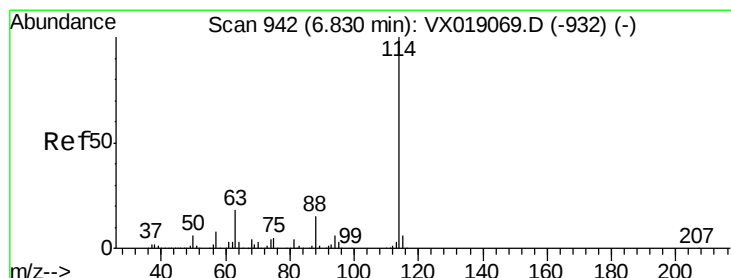
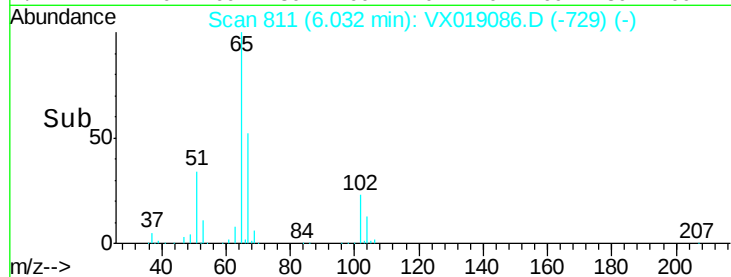
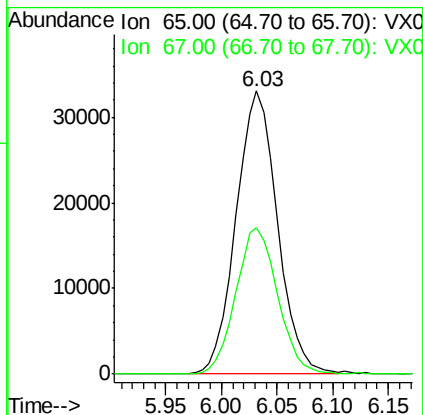
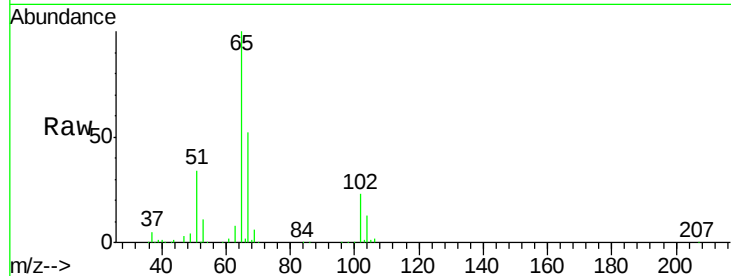
TT-021-IDW/GW-20201019

Tot Ion: 65 Resp: 85449

Ion Ratio Lower Upper

65 100

67 52.5 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: VX019086.D

Acq: 23 Oct 2020 19:08

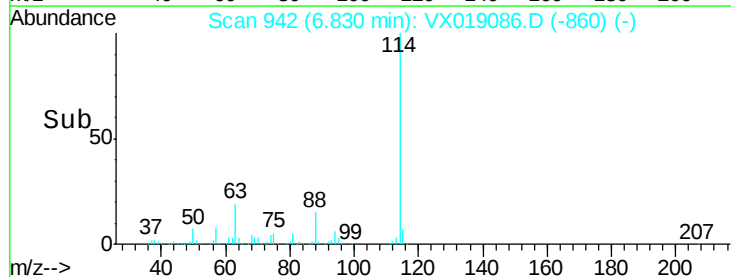
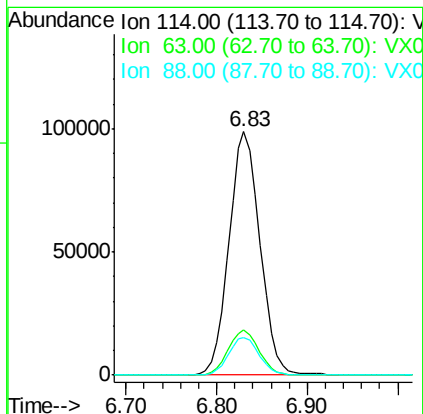
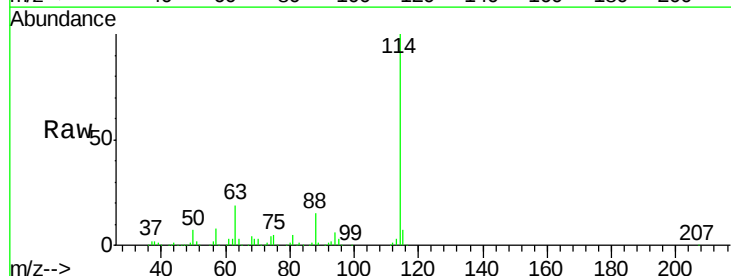
Tgt Ion: 114 Resp: 233651

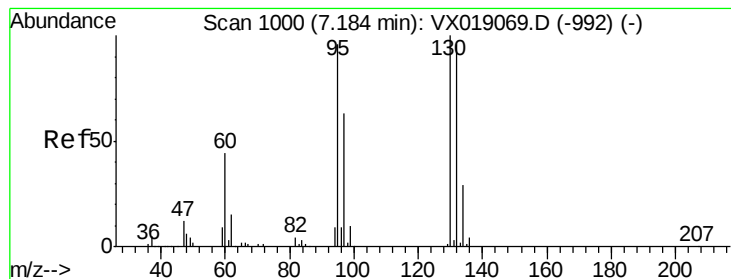
Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

88 15.3 12.2 18.2





#37

Trichloroethene

Concen: 65.503 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019086.D

Acq: 23 Oct 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

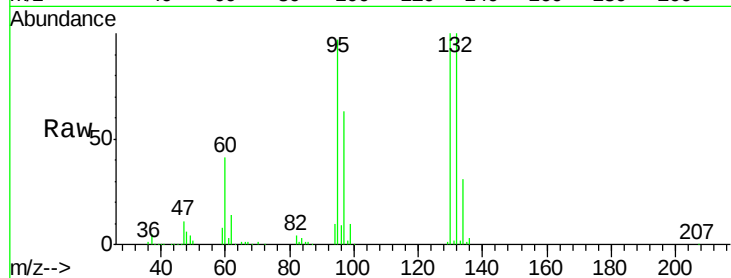
TT-021-IDW/GW-20201019

Tot Ion:130 Resp: 182603

Ion Ratio Lower Upper

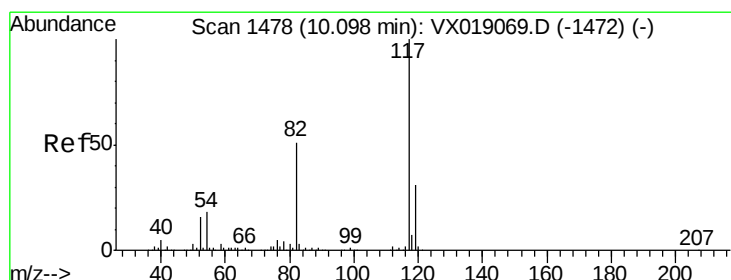
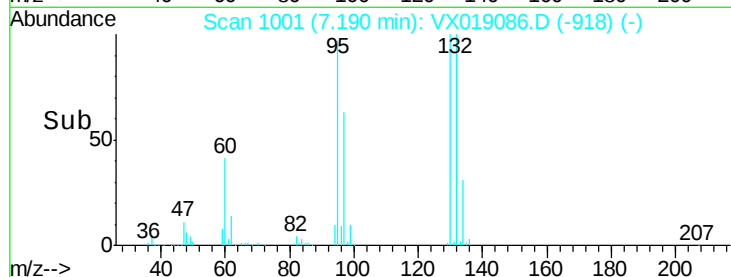
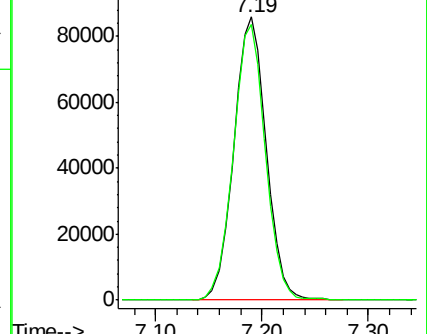
130 100

95 97.4 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: VX019086.D

Acq: 23 Oct 2020 19:08

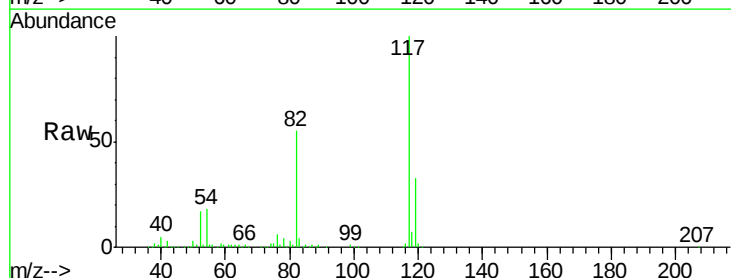
Tgt Ion:117 Resp: 206809

Ion Ratio Lower Upper

117 100

82 54.5 42.5 63.7

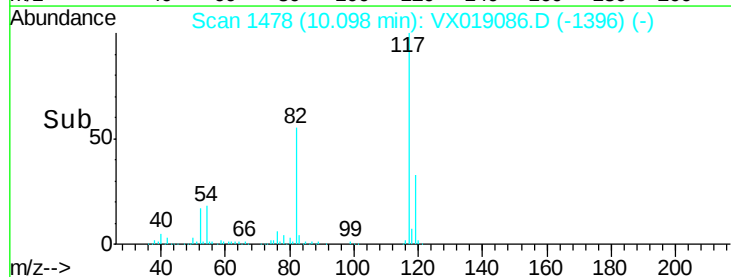
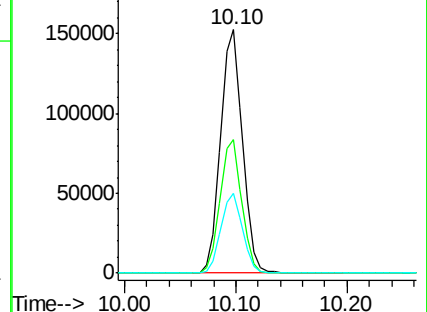
119 32.3 25.6 38.4

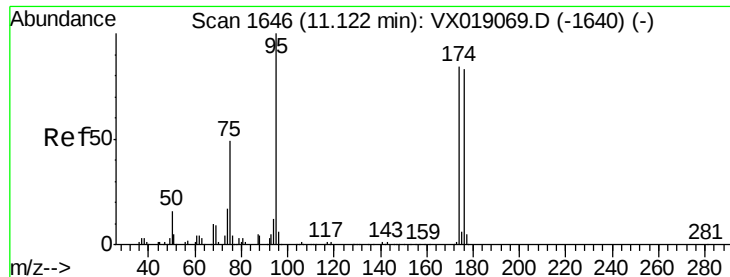


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 29.660 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019086.D

Acq: 23 Oct 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

TT-021-IDW/GW-20201019

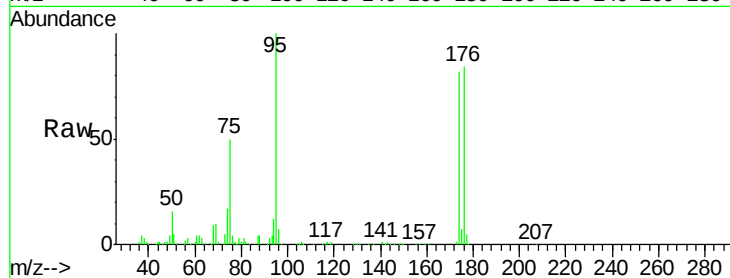
Tot Ion: 95 Resp: 92066

Ion Ratio Lower Upper

95 100

174 83.1 66.3 99.5

176 82.0 65.5 98.3

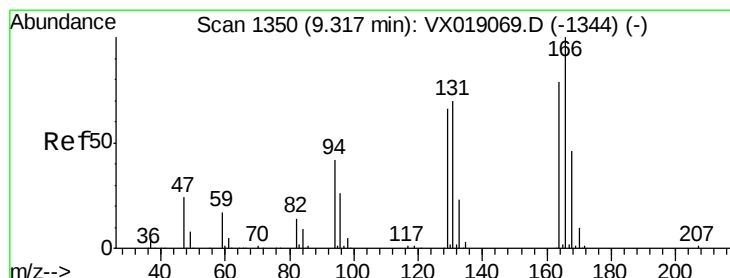
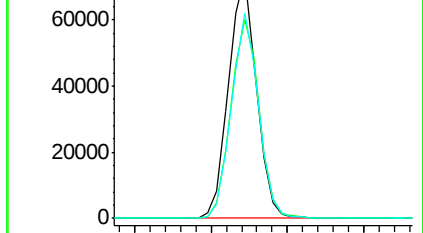
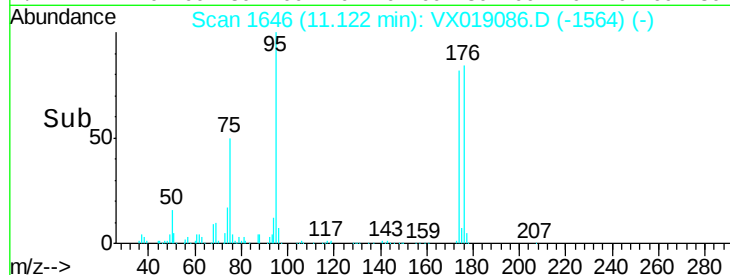


Abundance Ion 95.00 (94.70 to 95.70): VX019086.D (-1564) (-)

Ion 174.00 (173.70 to 174.70): VX019086.D (-1564) (-)

Ion 176.00 (175.70 to 176.70): VX019086.D (-1564) (-)

Time-->



#61

Tetrachloroethene

Concen: 5.222 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019086.D

Acq: 23 Oct 2020 19:08

Tgt Ion: 164 Resp: 12811

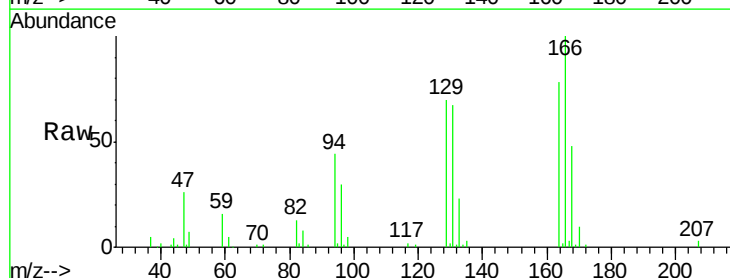
Ion Ratio Lower Upper

164 100

166 127.0 101.9 152.9

129 89.4 67.0 100.6

131 85.8 71.1 106.7



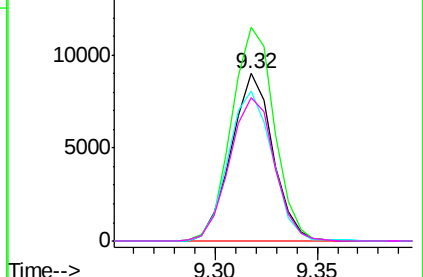
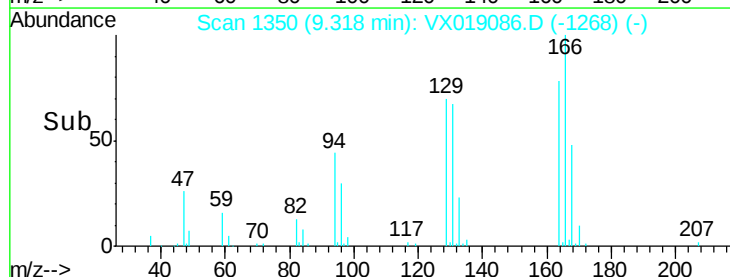
Abundance Ion 163.85 (163.55 to 164.55): VX019086.D (-1268) (-)

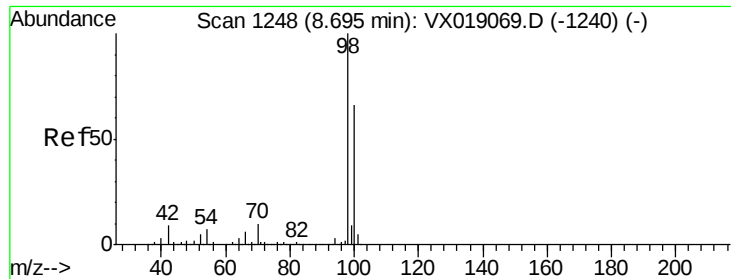
Ion 165.80 (165.50 to 166.50): VX019086.D (-1268) (-)

Ion 128.90 (128.60 to 129.60): VX019086.D (-1268) (-)

Ion 130.90 (130.60 to 131.60): VX019086.D (-1268) (-)

Time-->





#63

Toluene-d8

Concen: 30.310 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019086.D

Acq: 23 Oct 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

TT-021-IDW/GW-20201019

Tot Ion: 98 Resp: 276761

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4

