

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\
 Data File : VX013247.D
 Acq On : 28 Oct 2019 14:52
 Operator : JC/SP
 Sample : K5580-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-008-IDWGW-20191025

Quant Time: Oct 29 14:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	22389	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	123073	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	105243	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	53854	30.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.87%
60) 4-Bromofluorobenzene	11.14	95	50972	27.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.70%
63) Toluene-d8	8.71	98	144966	30.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.23%

Target Compounds

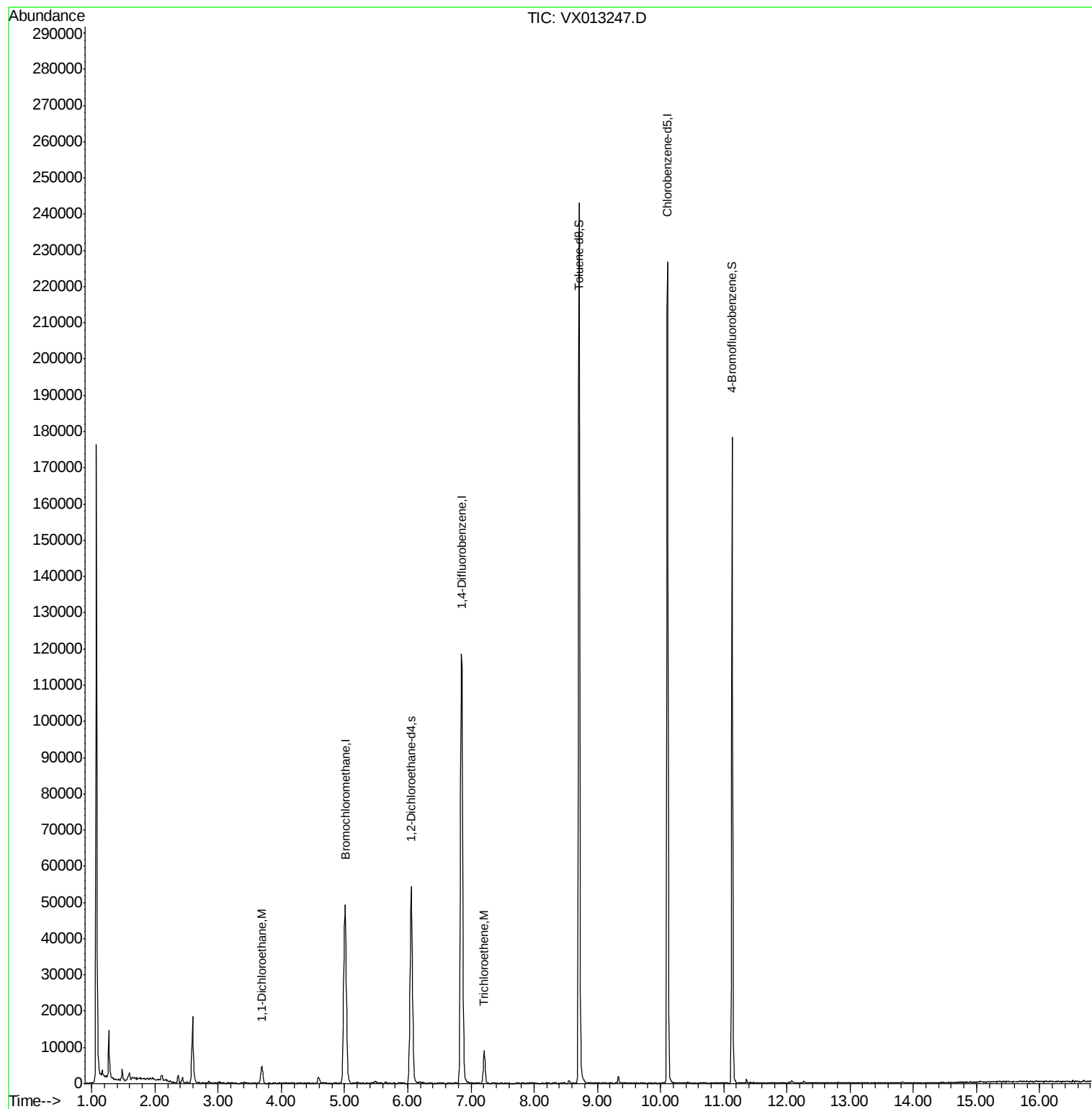
					Ovalue
21) 1,1-Dichloroethane	3.69	63	5477	2.135	ug/l 95
37) Trichloroethene	7.21	130	3517	2.304	ug/l 98

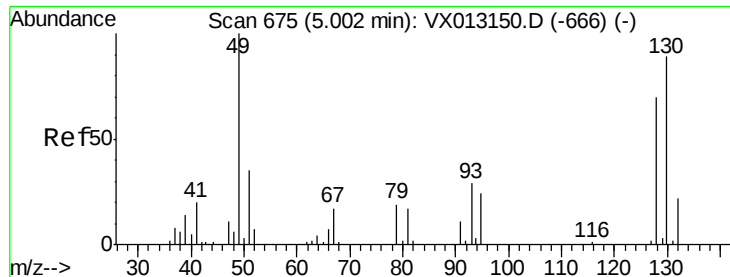
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

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Acq: 28 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

TT-008-IDW/GW-20191025

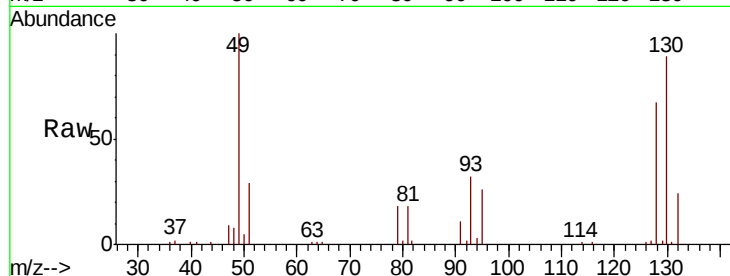
Tot Ion:128 Resp: 22389

Ion Ratio Lower Upper

128 100

49 135.9 0.0 367.3

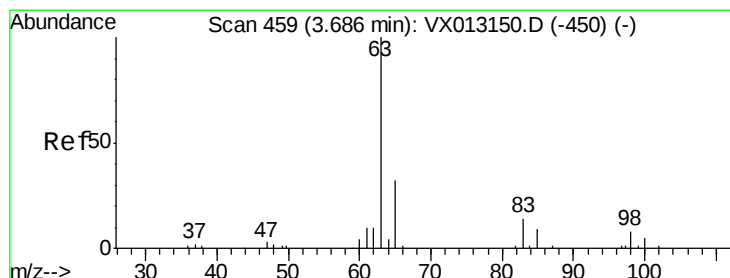
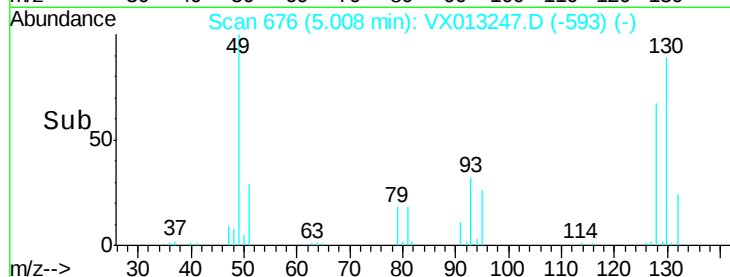
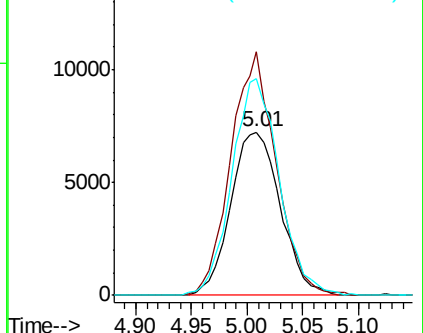
130 127.0 0.0 325.0



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



#21

1,1-Dichloroethane

Concen: 2.135 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013247.D

Acq: 28 Oct 2019 14:52

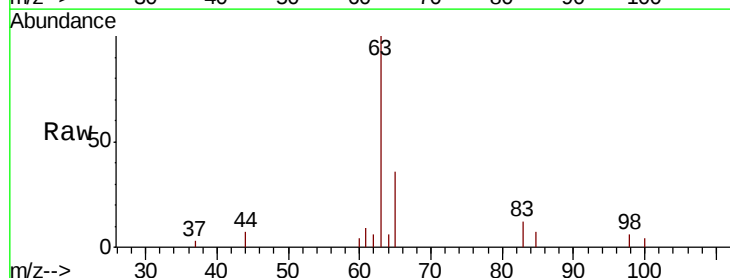
Tgt Ion: 63 Resp: 5477

Ion Ratio Lower Upper

63 100

98 6.4 4.2 12.4

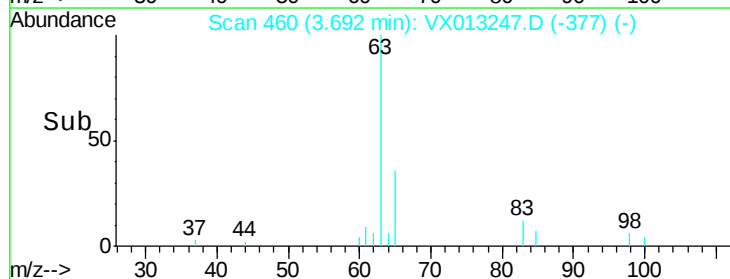
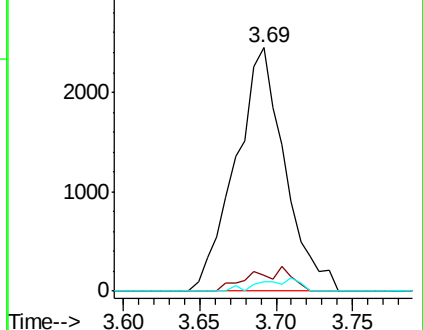
100 3.6 2.4 7.2

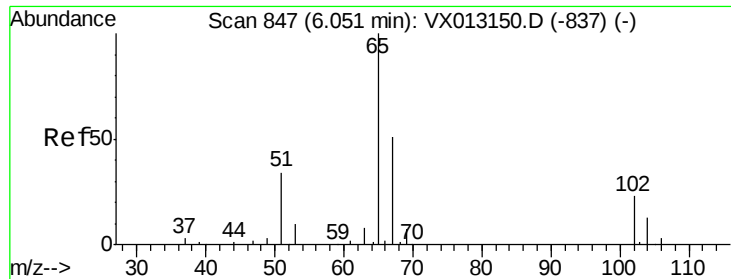


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#27

1,2-Dichloroethane-d4

Concen: 30.556 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013247.D

Acq: 28 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

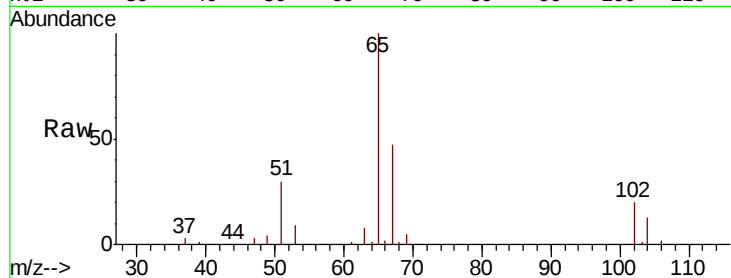
TT-008-IDW/GW-20191025

Tot Ion: 65 Resp: 53854

Ion Ratio Lower Upper

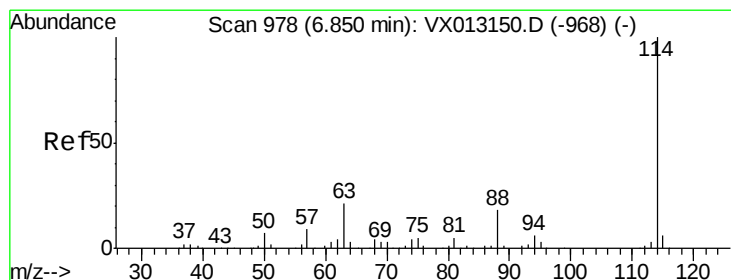
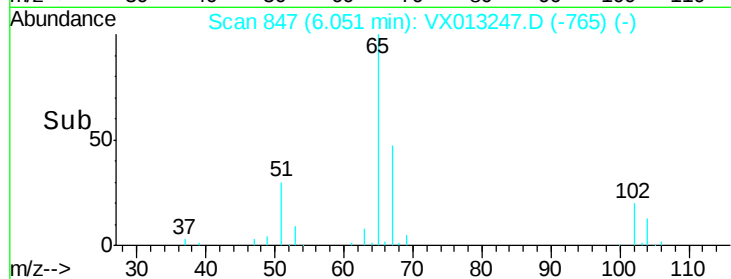
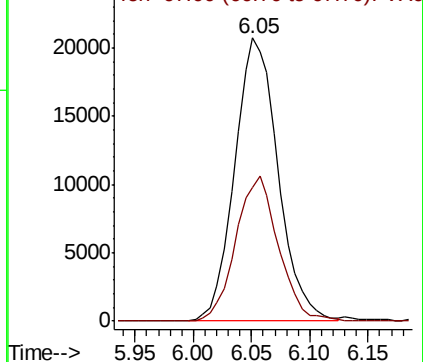
65 100

67 50.2 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013247.D

Acq: 28 Oct 2019 14:52

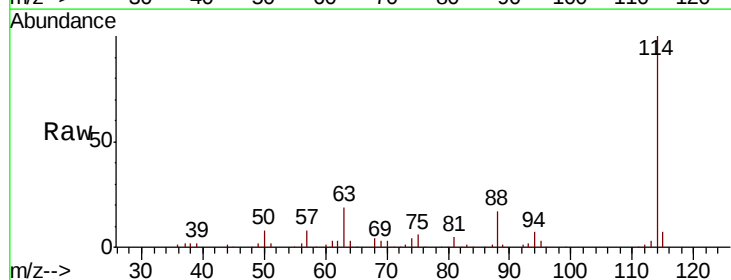
Tgt Ion: 114 Resp: 123073

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

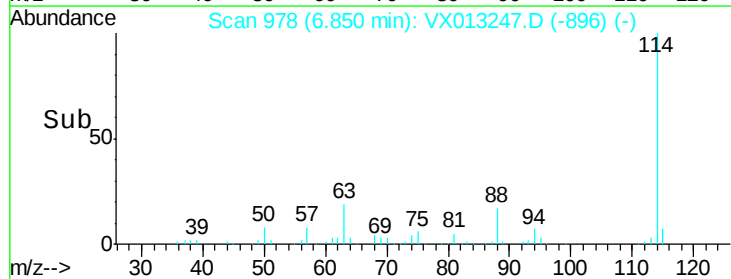
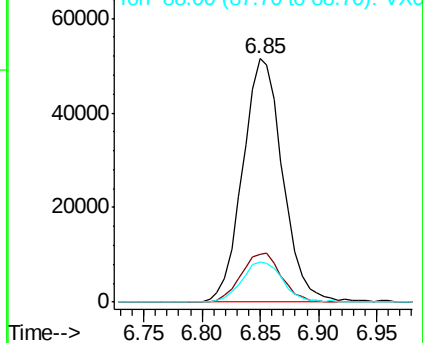
88 16.9 13.7 20.5

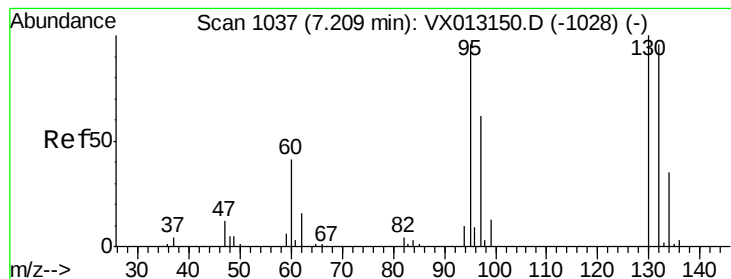


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#37

Trichloroethene

Concen: 2.304 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013247.D

Acq: 28 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

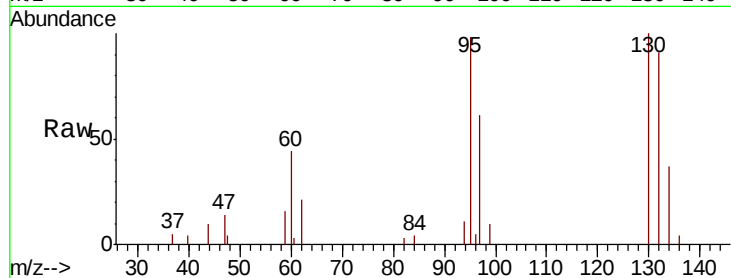
TT-008-IDW/GW-20191025

Tot Ion:130 Resp: 3517

Ion Ratio Lower Upper

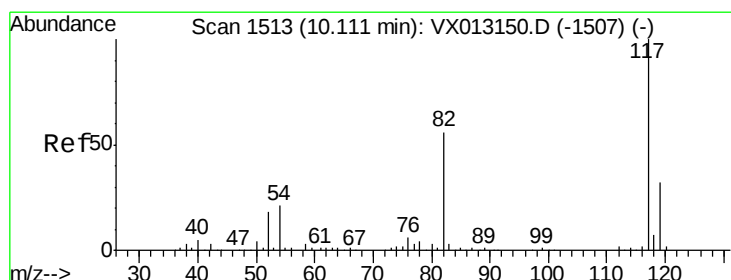
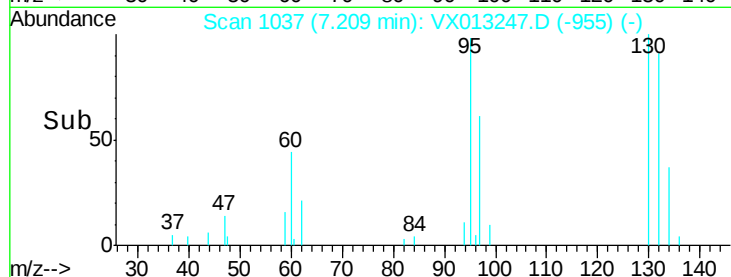
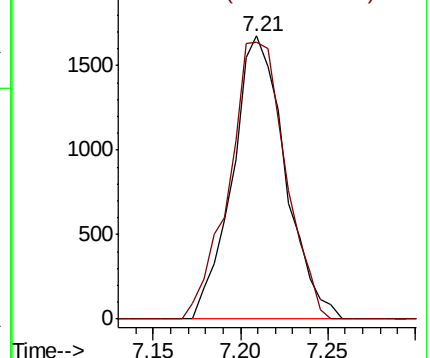
130 100

95 98.0 77.0 115.6



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013247.D

Acq: 28 Oct 2019 14:52

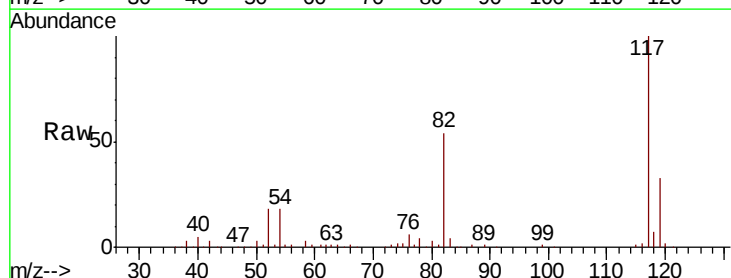
Tgt Ion:117 Resp: 105243

Ion Ratio Lower Upper

117 100

82 57.8 46.0 69.0

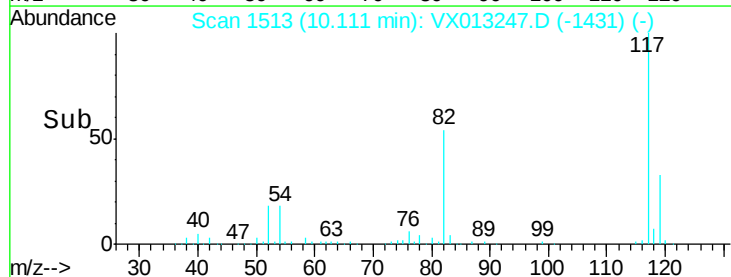
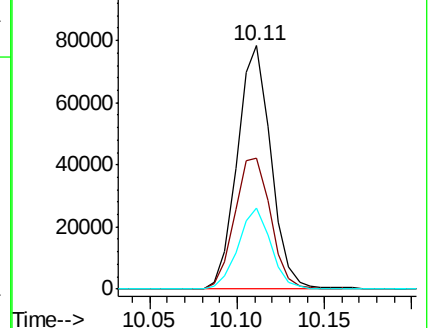
119 32.5 25.4 38.0

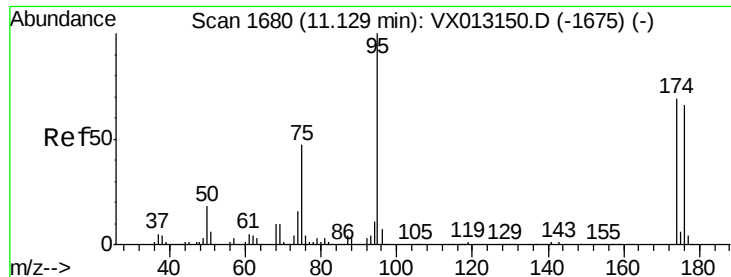


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 27.814 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013247.D

Acq: 28 Oct 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

TT-008-IDW/GW-20191025

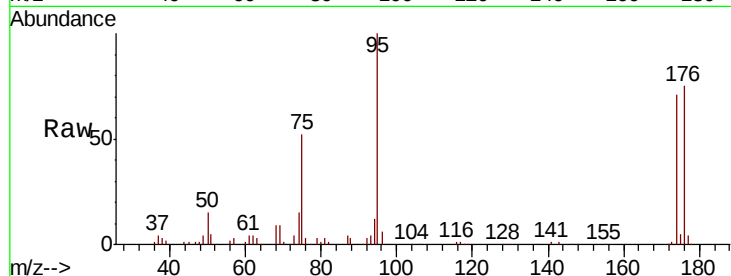
Tot Ion: 95 Resp: 50972

Ion Ratio Lower Upper

95 100

174 75.9 60.0 90.0

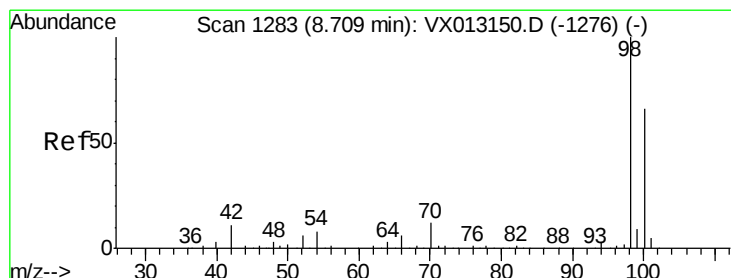
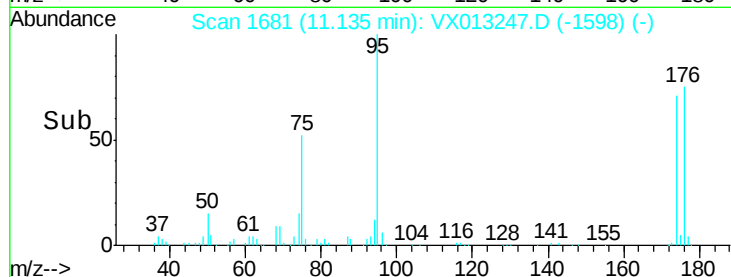
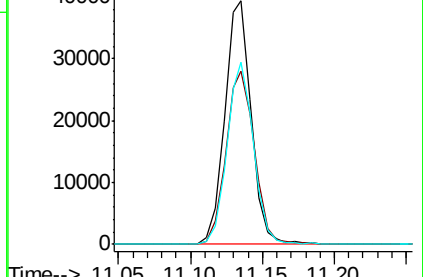
176 74.8 58.5 87.7



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.970 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013247.D

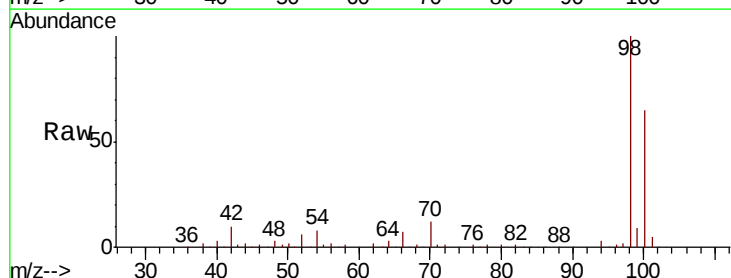
Acq: 28 Oct 2019 14:52

Tgt Ion: 98 Resp: 144966

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

