

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018592.D
 Acq On : 25 Sep 2020 11:33
 Operator : JC/SP
 Sample : L4145-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CTB-WEST-(MANHOLE-1)

Quant Time: Sep 25 13:51:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	87081	30.00	ug/l	0.02
28) 1,4-Difluorobenzene	6.84	114	1445718	30.00	ug/l	0.01
57) Chlorobenzene-d5	10.10	117	1375307	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	623728	90.79	ug/l	0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	302.63%#
60) 4-Bromofluorobenzene	11.12	95	667055	27.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.27%
63) Toluene-d8	8.70	98	1737258	28.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.53%

Target Compounds

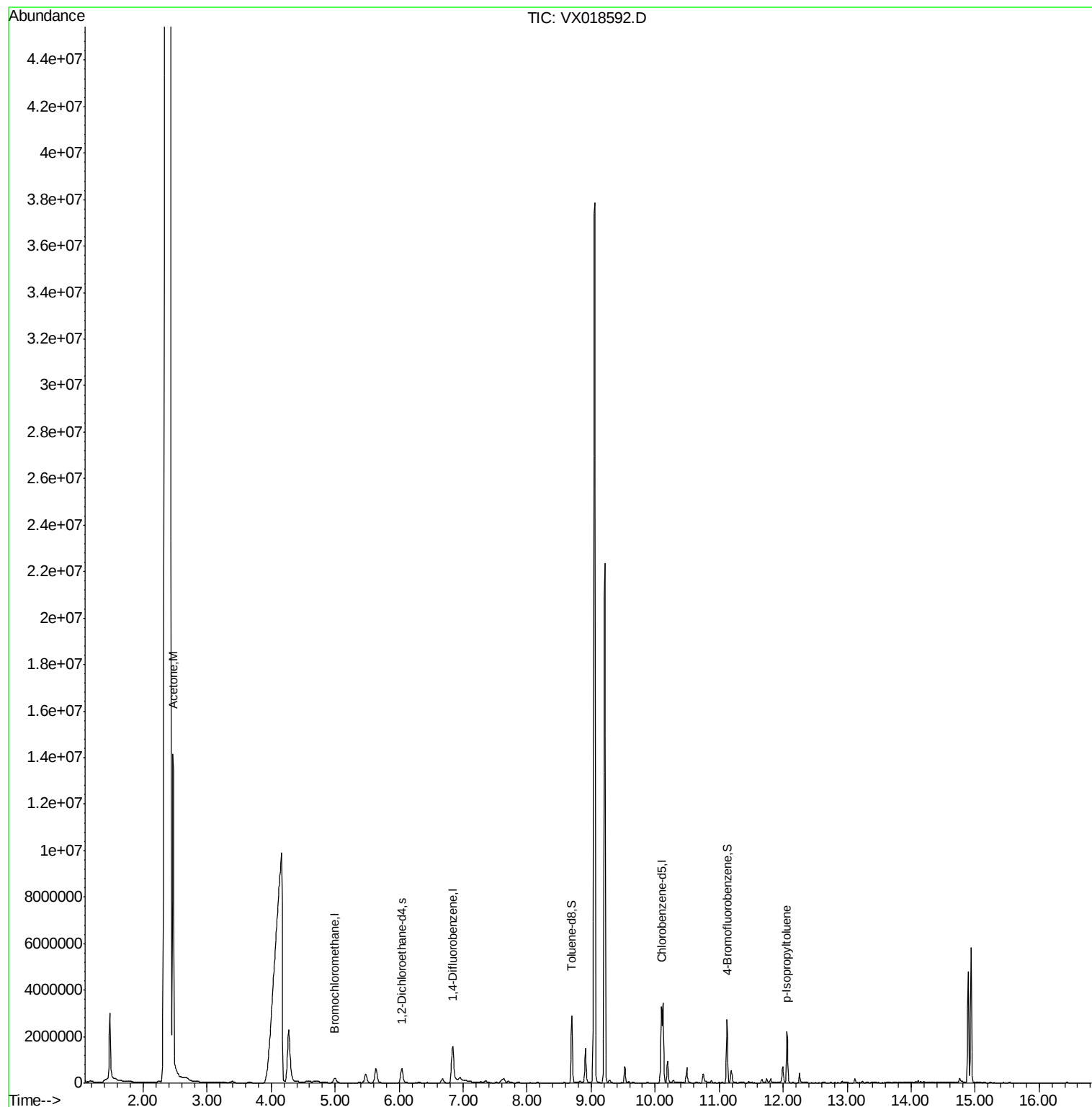
					Ovalue
15) Acetone	2.46	58	5724661	8058.505	ug/l 74
82) p-Isopropyltoluene	12.05	119	69728	0.993	ug/l 98

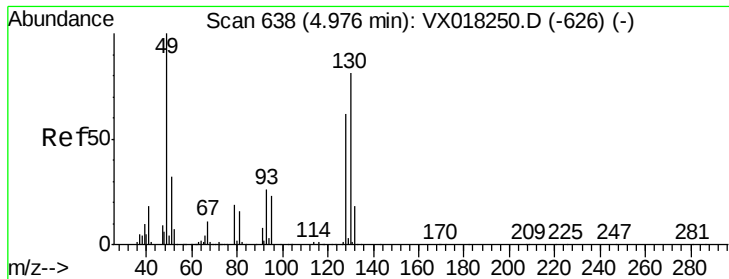
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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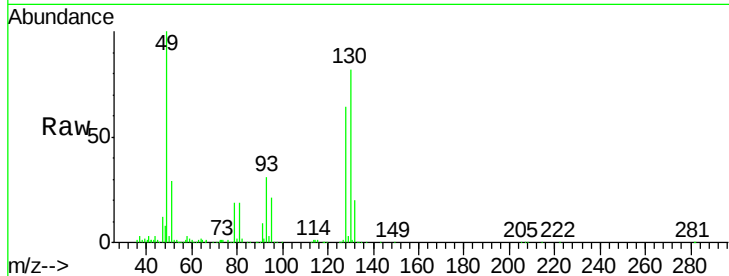


#1

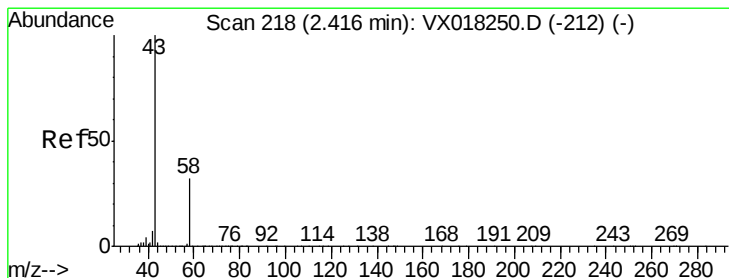
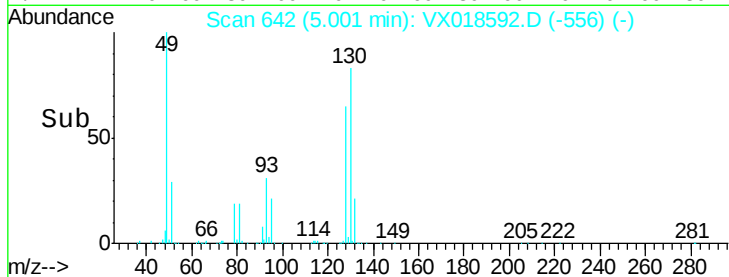
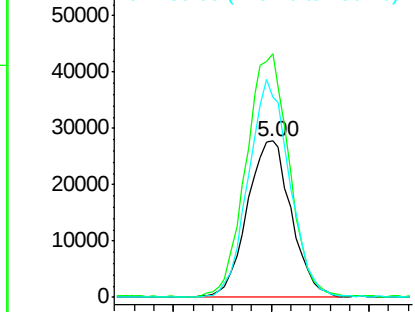
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 642
 Delta R.T. 0.02 min
 Lab File: VX018592.D
 Acq: 25 Sep 2020 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 CTB-WEST-(MANHOLE-1)

Tot Ion:128 Resp: 87081
 Ion Ratio Lower Upper
 128 100
 49 151.8 0.0 392.0
 130 130.1 0.0 320.2



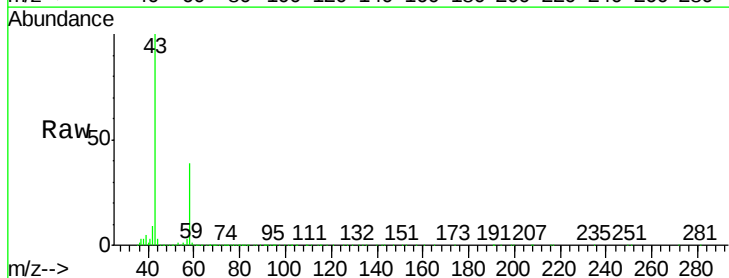
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



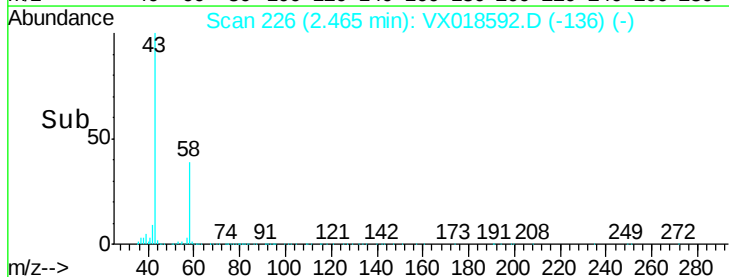
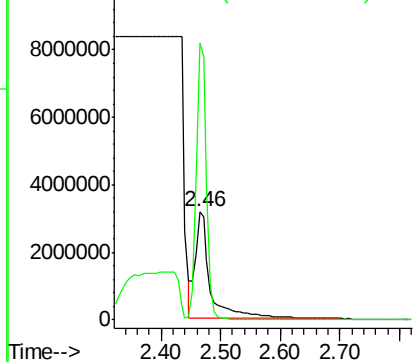
#15

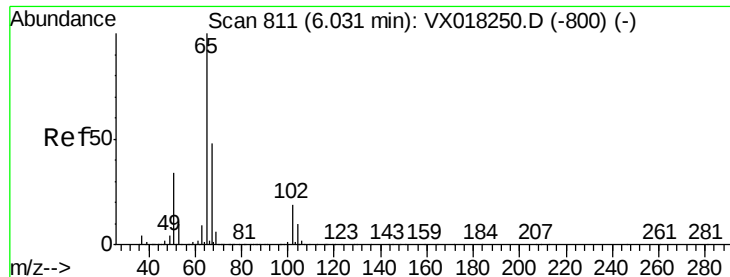
Acetone
 Concen: 8058.505 ug/l
 RT: 2.46 min Scan# 226
 Delta R.T. 0.05 min
 Lab File: VX018592.D
 Acq: 25 Sep 2020 11:33

Tgt Ion: 58 Resp: 5724661
 Ion Ratio Lower Upper
 58 100
 43 258.2 248.2 372.2



Abundance Ion 58.00 (57.70 to 58.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 90.788 ug/l

RT: 6.04 min Scan# 813

Delta R.T. 0.01 min

Lab File: VX018592.D

Acq: 25 Sep 2020 11:33

Instrument :

MSVOA_X

ClientSampleId :

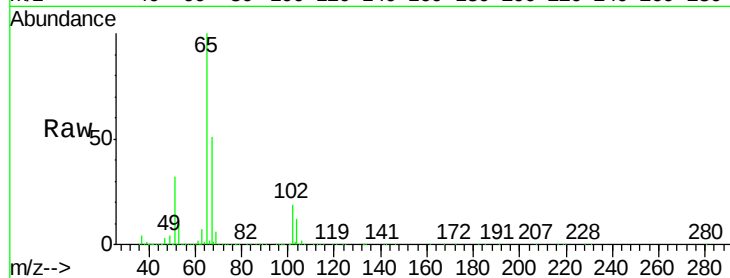
CTB-WEST-(MANHOLE-1)

Tot Ion: 65 Resp: 623728

Ion Ratio Lower Upper

65 100

67 50.3 39.9 59.9



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

250000

200000

150000

100000

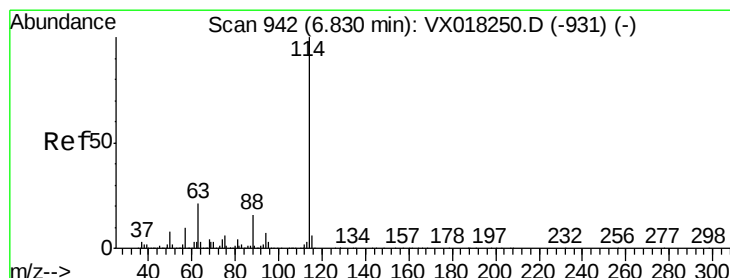
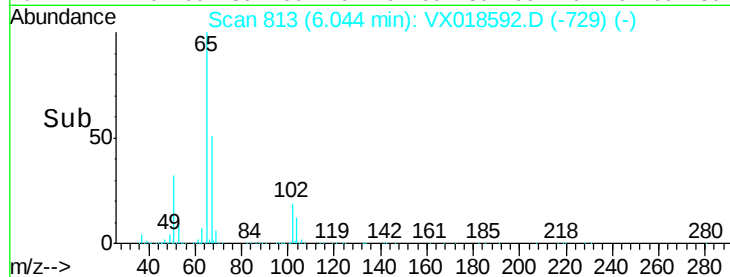
50000

0

Time-->

5.90 6.00 6.10

6.04



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 944

Delta R.T. 0.01 min

Lab File: VX018592.D

Acq: 25 Sep 2020 11:33

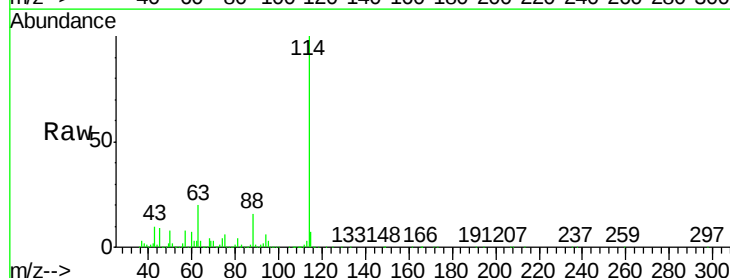
Tgt Ion:114 Resp: 1445718

Ion Ratio Lower Upper

114 100

63 20.8 16.7 25.1

88 15.9 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

800000

600000

400000

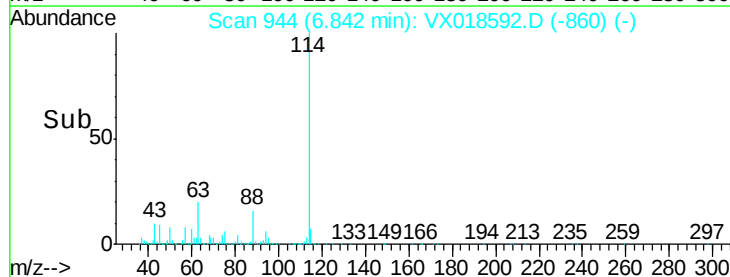
200000

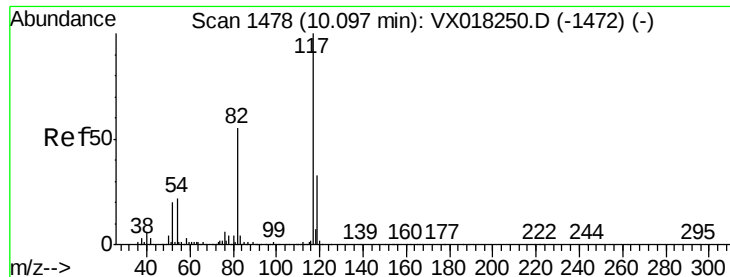
0

Time-->

6.70 6.80 6.90

6.84

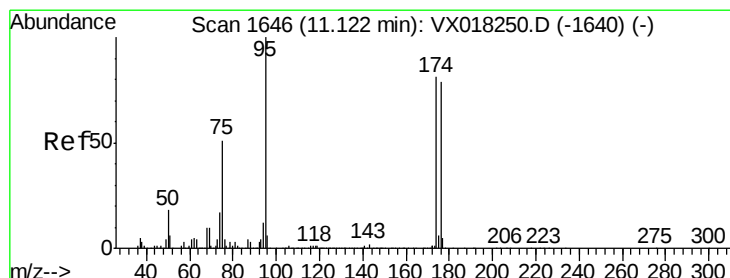
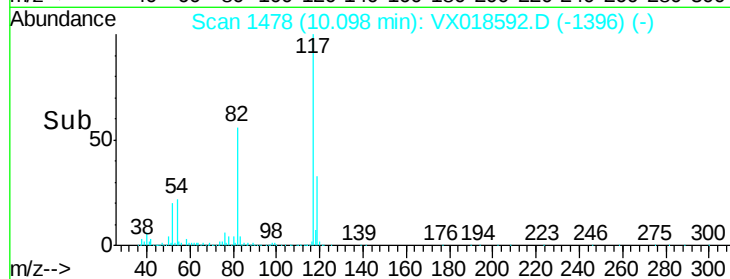
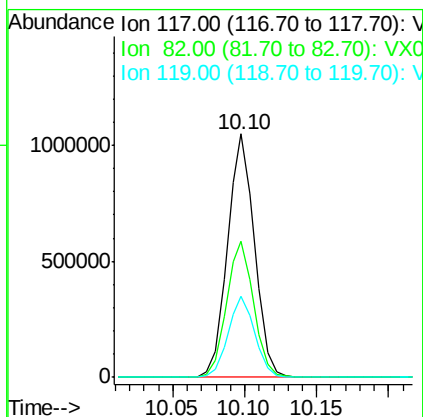
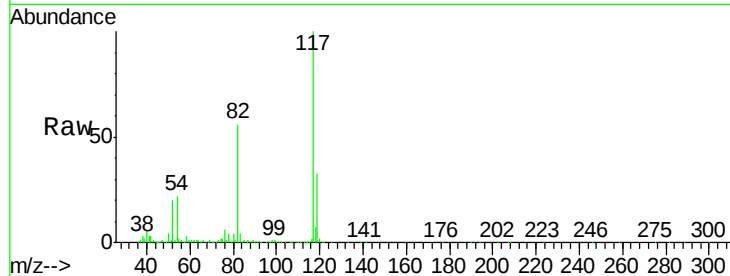




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018592.D
Acq: 25 Sep 2020 11:33

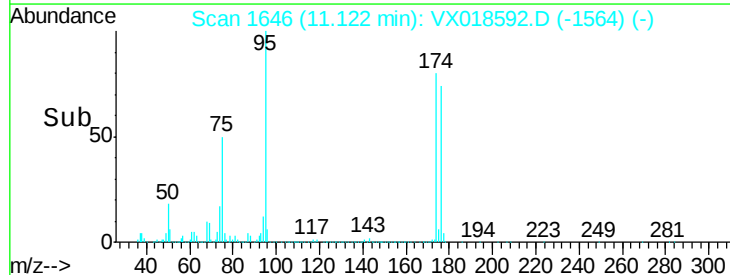
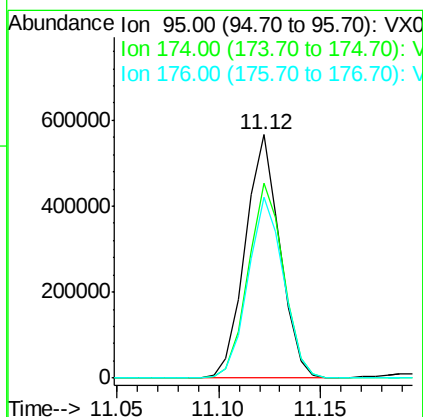
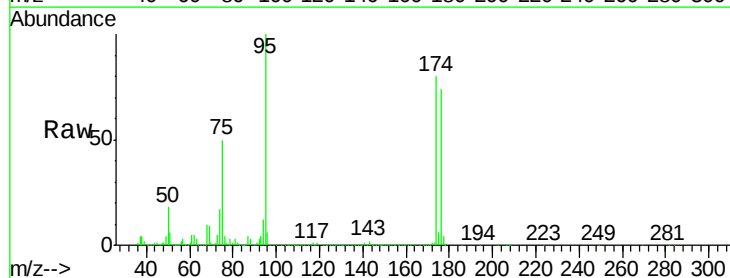
Instrument :
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CTB-WEST-(MANHOLE-1)

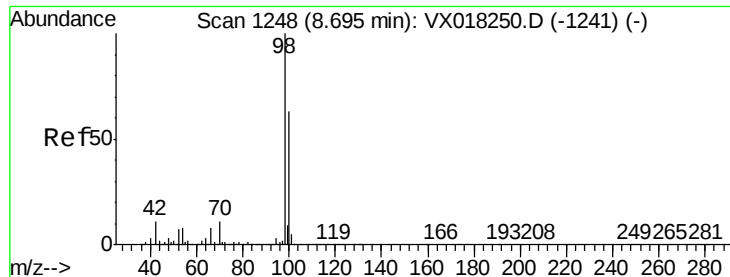
Tot Ion:117 Resp: 1375307
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.4
119 32.8 26.1 39.1



#60
4-Bromofluorobenzene
Concen: 27.983 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018592.D
Acq: 25 Sep 2020 11:33

Tgt Ion: 95 Resp: 667055
Ion Ratio Lower Upper
95 100
174 81.4 64.2 96.4
176 76.6 62.2 93.4





#63

Toluene-d8

Concen: 28.659 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018592.D

Acq: 25 Sep 2020 11:33

Instrument :

MSVOA_X

ClientSampleId :

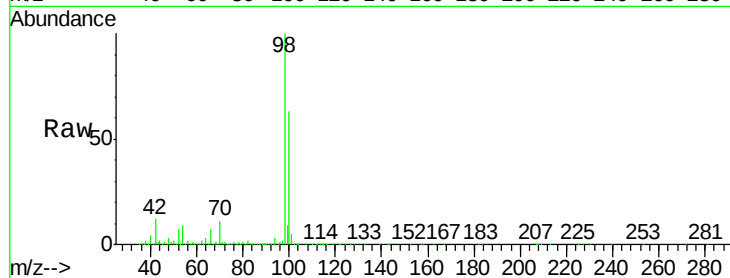
CTB-WEST-(MANHOLE-1)

Tot Ion: 98 Resp: 1737258

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

1200000

1000000

800000

600000

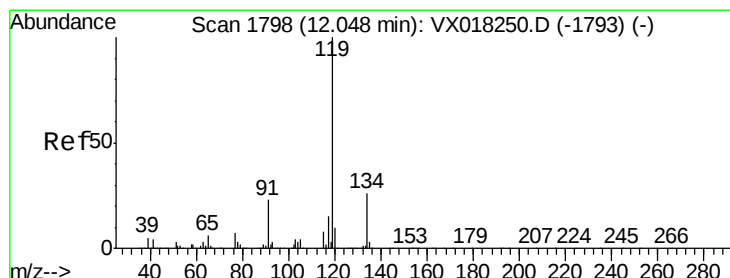
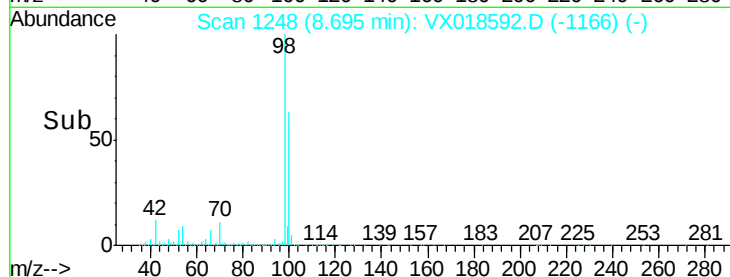
400000

200000

0

8.60 8.70 8.80

Time-->



#82

p-Isopropyltoluene

Concen: 0.993 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018592.D

Acq: 25 Sep 2020 11:33

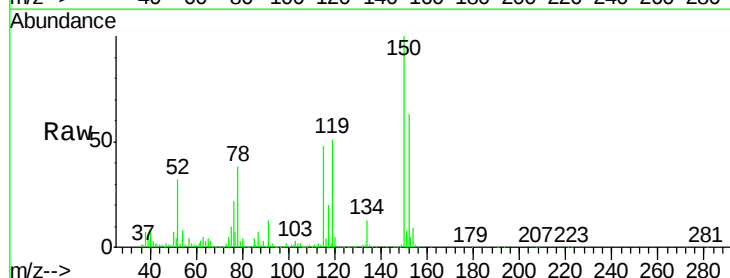
Tgt Ion: 119 Resp: 69728

Ion Ratio Lower Upper

119 100

134 27.4 0.0 53.0

91 26.5 0.0 49.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.05

80000

60000

40000

20000

0

12.00 12.05 12.10

Time-->

