

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
 Data File : VX010788.D
 Acq On : 10 Jul 2019 19:29
 Operator : JC/SP
 Sample : K3694-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GC-SOIL-PILE

Quant Time: Jul 11 03:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

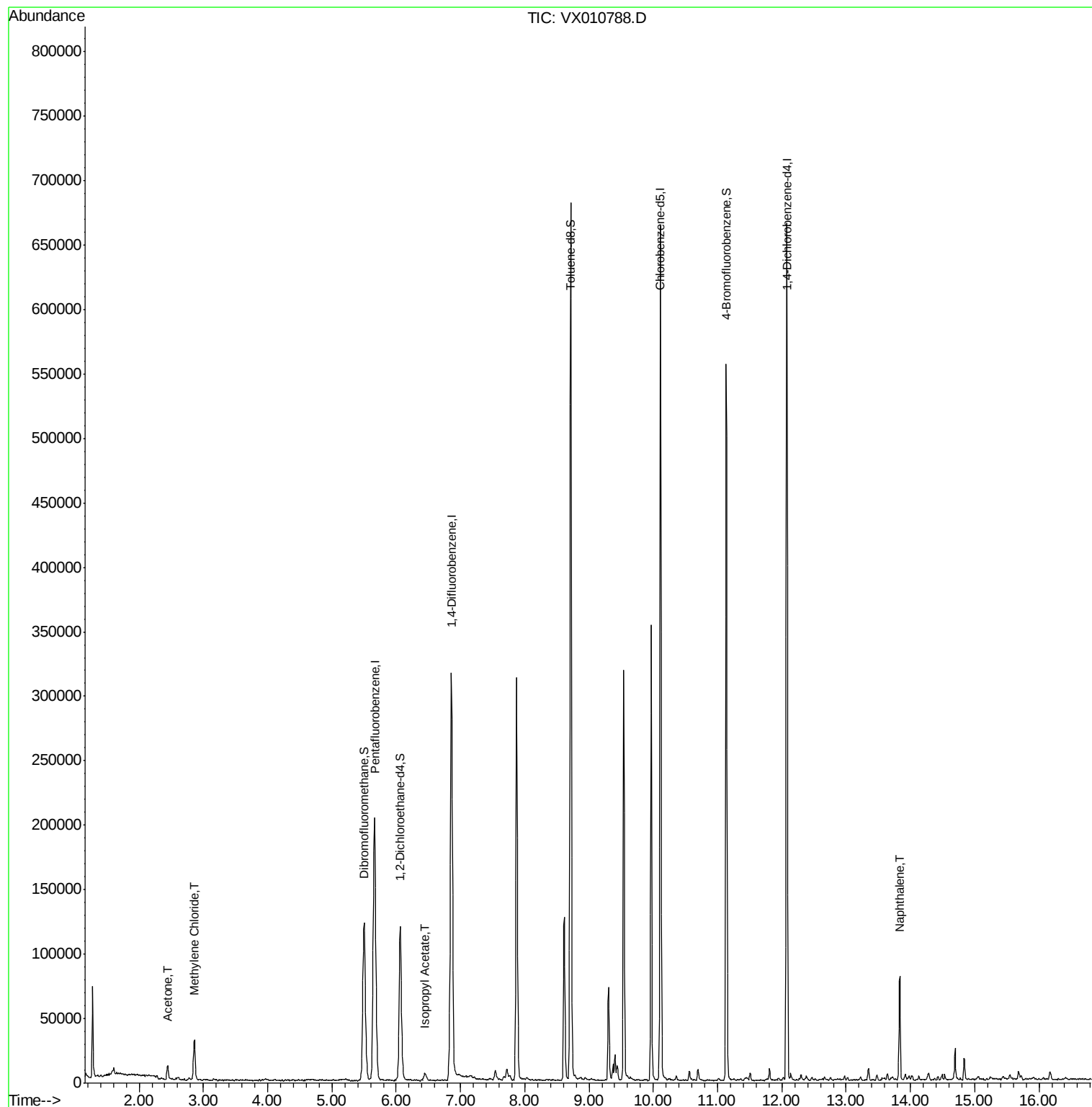
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332550	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147214	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109331	55.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.46%	
35) Dibromofluoromethane	5.49	113	103340	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
50) Toluene-d8	8.71	98	407349	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.13	95	137659	48.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.96%	
Target Compounds						
16) Acetone	2.45	43	12317	12.416	ug/l	97
20) Methylene Chloride	2.86	84	15105	7.399	ug/l	95
43) Isopropyl Acetate	6.45	43	7785	1.731	ug/l #	92
95) Naphthalene	13.83	128	51506	4.999	ug/l	99

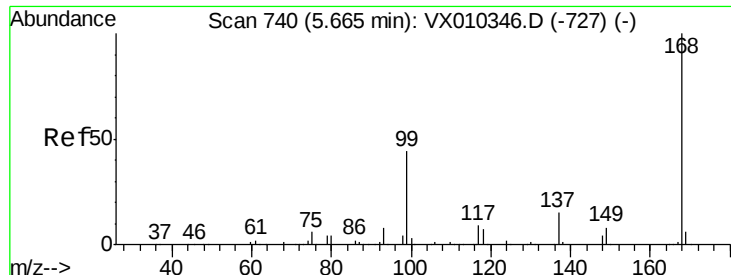
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010788.D

Acq: 10 Jul 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

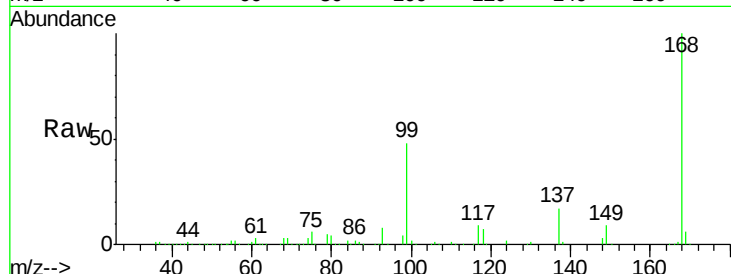
GC-SOIL-PILE

Tgt Ion:168 Resp: 211113

Ion Ratio Lower Upper

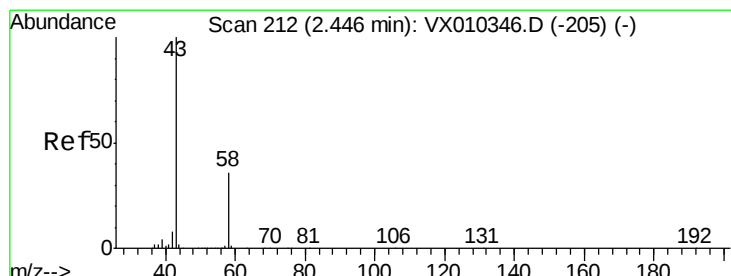
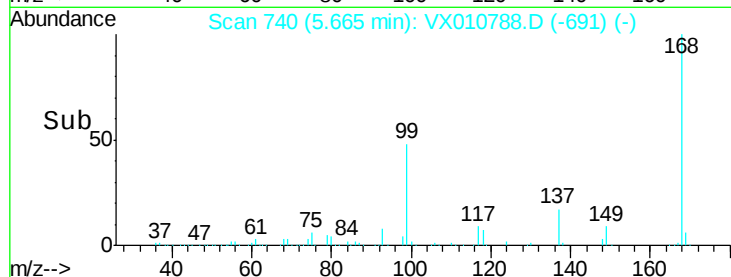
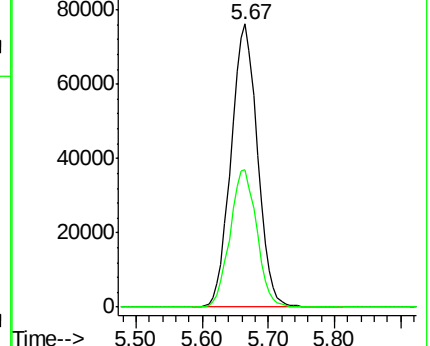
168 100

99 48.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 12.416 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010788.D

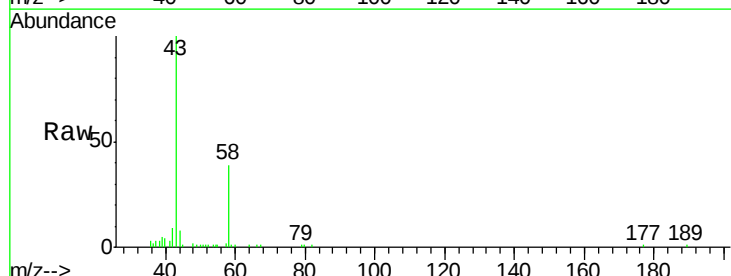
Acq: 10 Jul 2019 19:29

Tgt Ion: 43 Resp: 12317

Ion Ratio Lower Upper

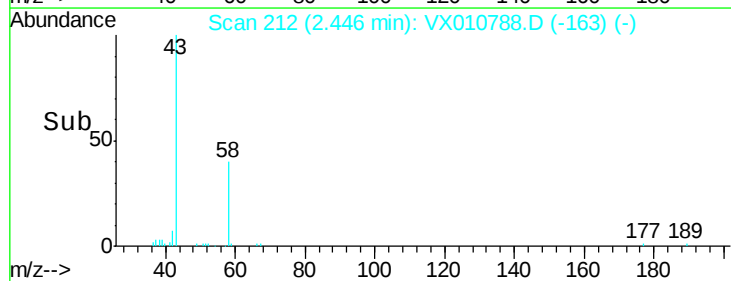
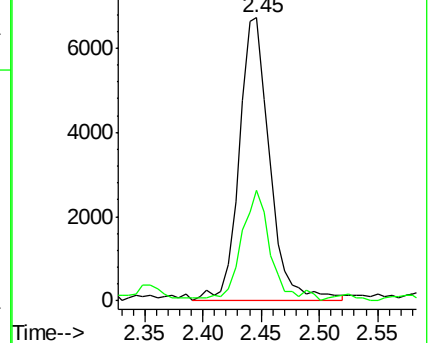
43 100

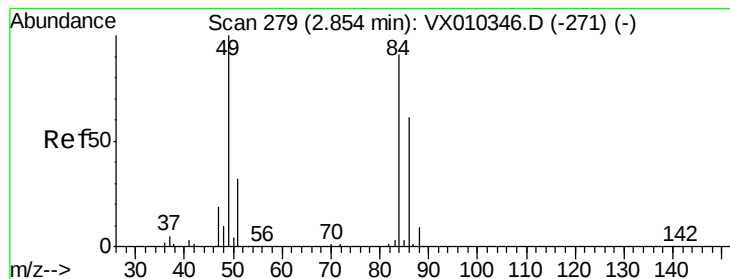
58 37.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 7.399 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010788.D

Acq: 10 Jul 2019 19:29

Instrument :
MSVOA_X
ClientSampled :
GC-SOIL-PILE

Tgt Ion: 84 Resp: 15105

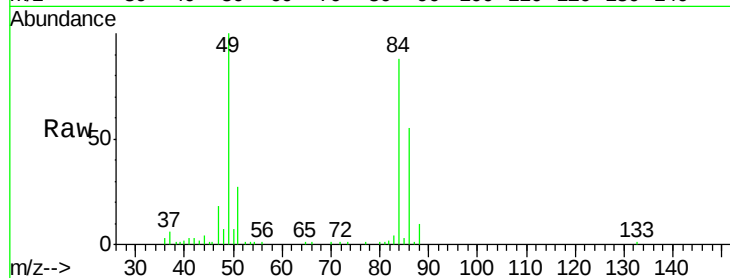
Ion Ratio Lower Upper

84 100

49 113.3 87.5 131.3

51 29.3 27.7 41.5

86 62.1 53.4 80.0

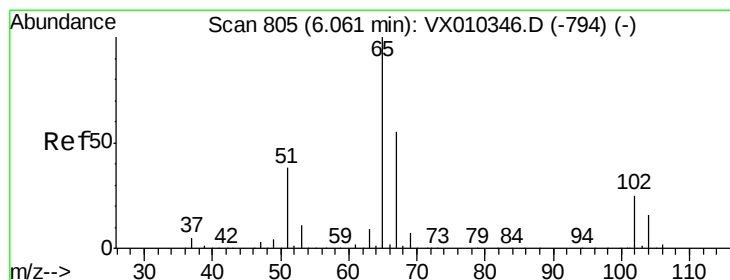
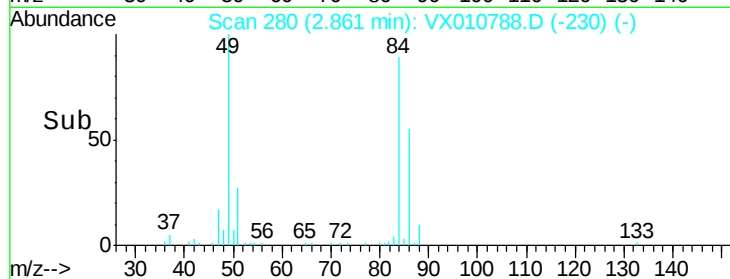
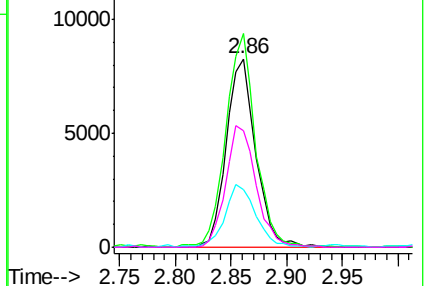


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.235 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010788.D

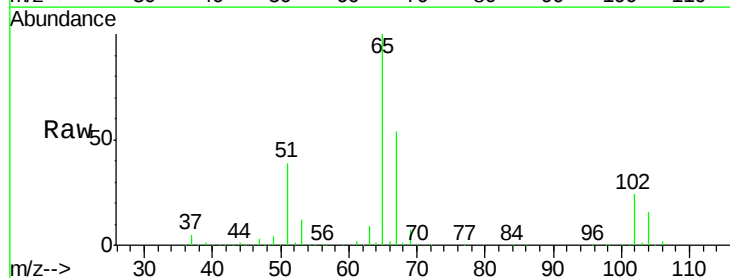
Acq: 10 Jul 2019 19:29

Tgt Ion: 65 Resp: 109331

Ion Ratio Lower Upper

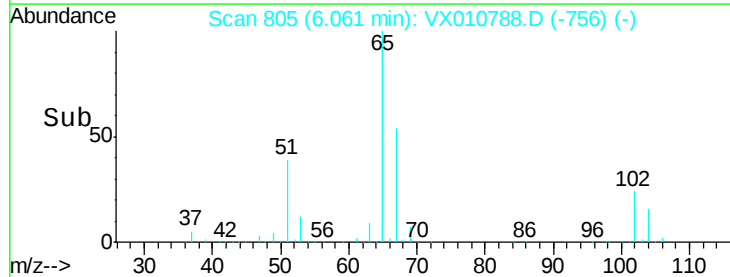
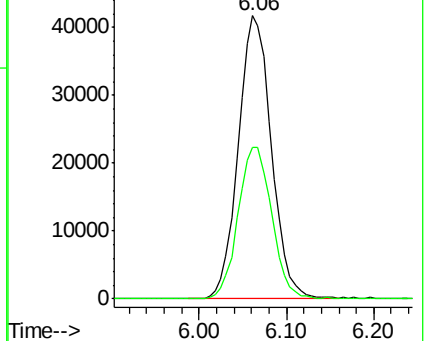
65 100

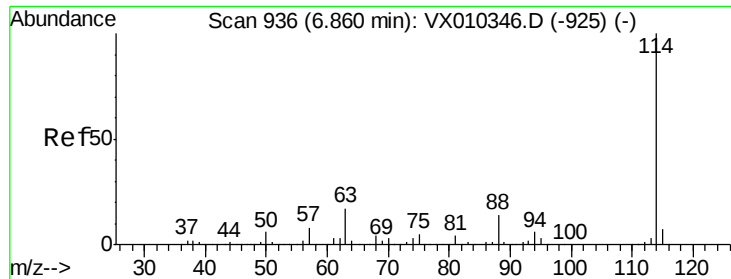
67 54.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

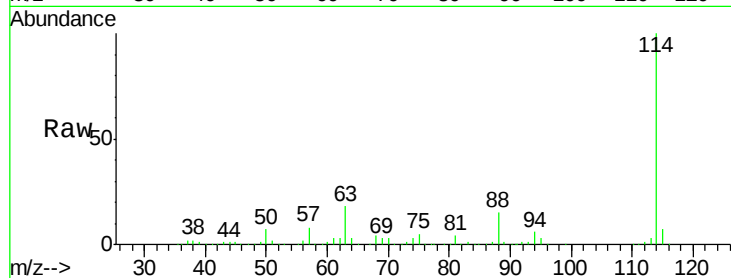




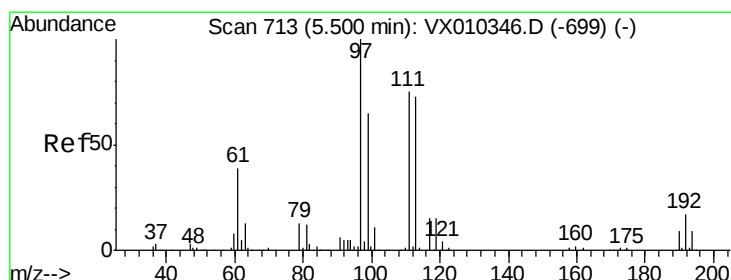
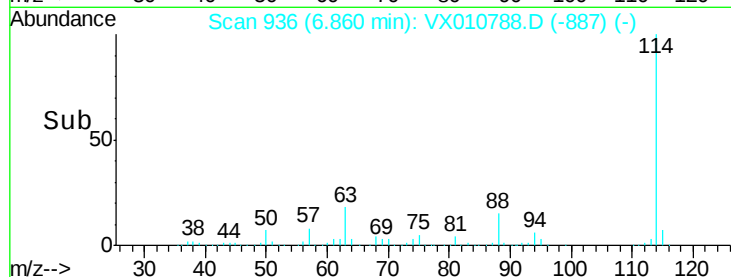
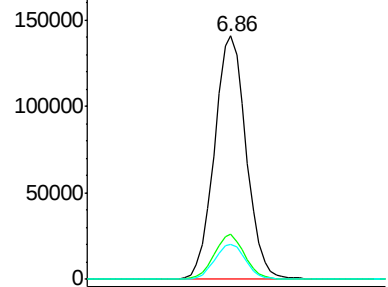
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010788.D
 Acq: 10 Jul 2019 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 GC-SOIL-PILE

Tgt Ion:114 Resp: 332550
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 33.8
 88 14.6 0.0 27.6

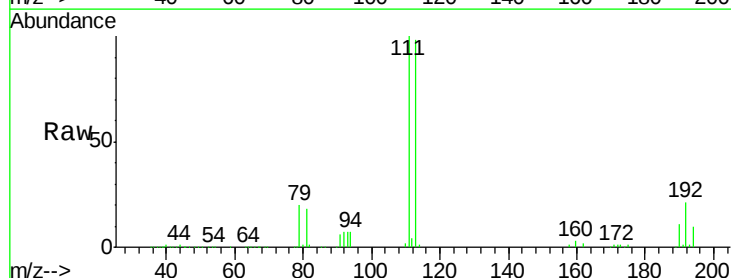


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

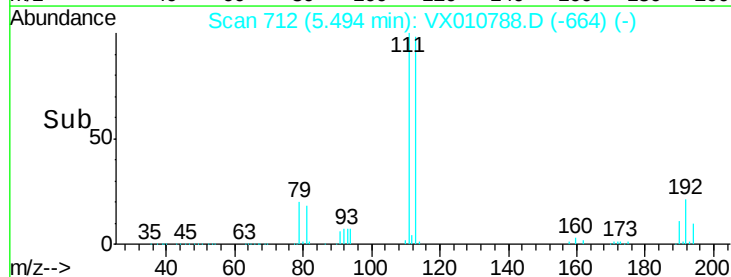
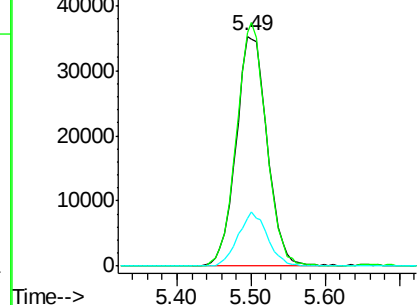


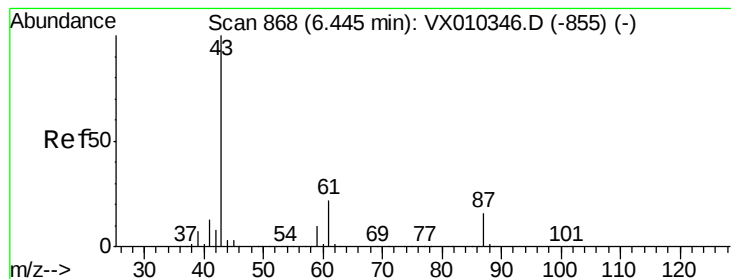
#35
 Dibromofluoromethane
 Concen: 50.790 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010788.D
 Acq: 10 Jul 2019 19:29

Tgt Ion:113 Resp: 103340
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.2 121.8
 192 22.3 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.731 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010788.D

Acq: 10 Jul 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

GC-SOIL-PILE

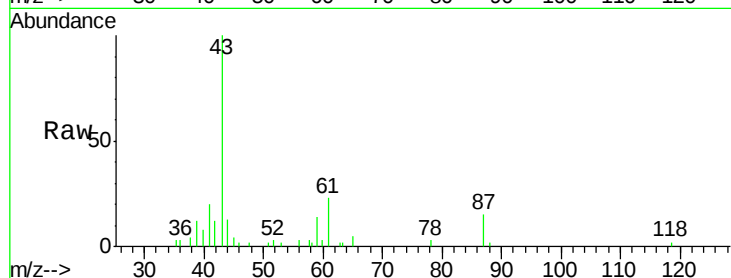
Tgt Ion: 43 Resp: 7785

Ion Ratio Lower Upper

43 100

61 22.8 17.8 26.6

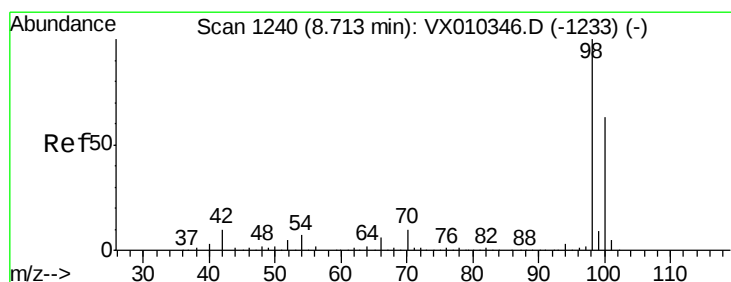
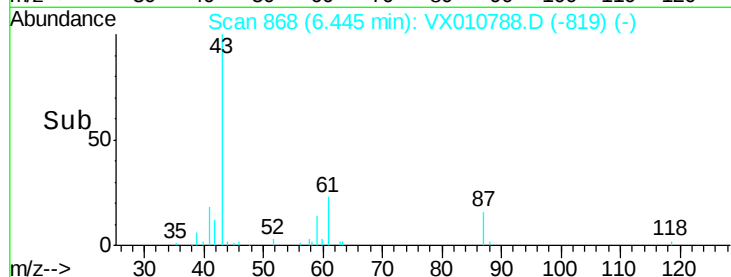
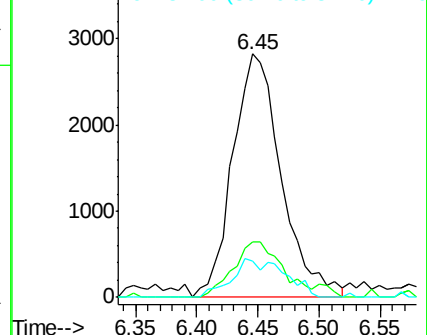
87 9.2 13.0 19.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 52.330 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010788.D

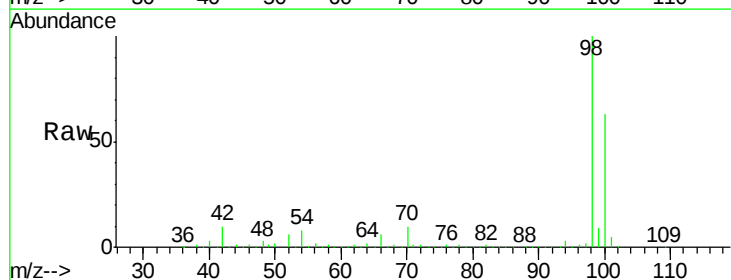
Acq: 10 Jul 2019 19:29

Tgt Ion: 98 Resp: 407349

Ion Ratio Lower Upper

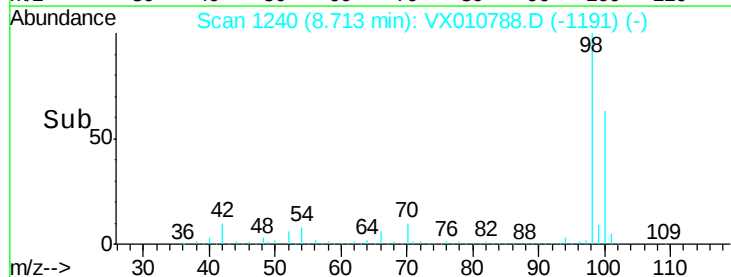
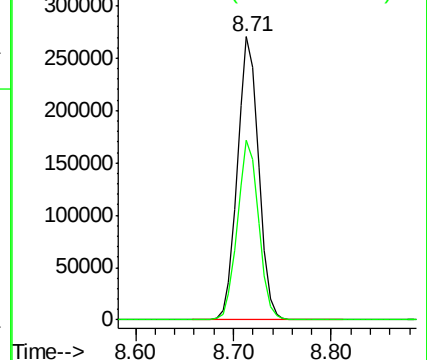
98 100

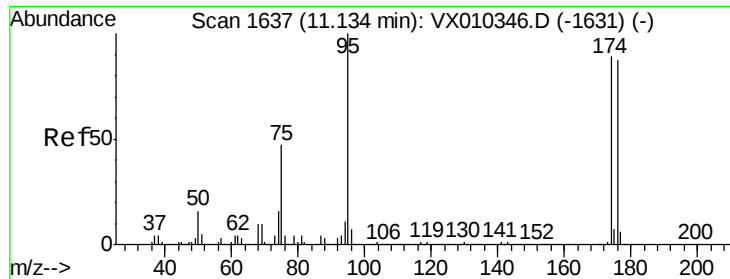
100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.983 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010788.D

Acq: 10 Jul 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

GC-SOIL-PILE

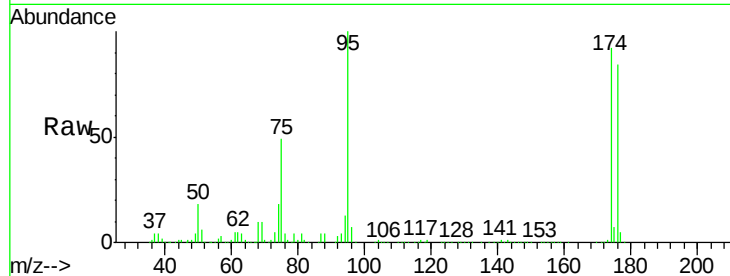
Tgt Ion: 95 Resp: 137659

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.6

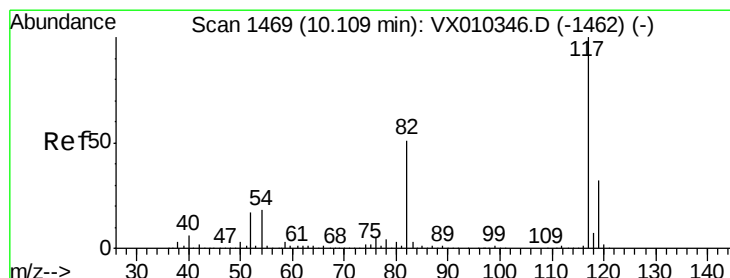
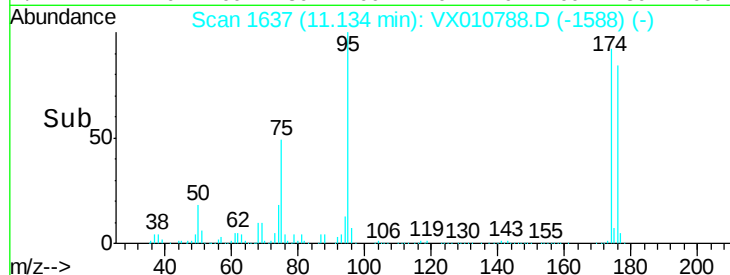
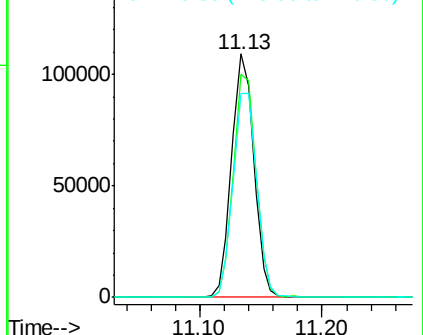
176 89.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010788.D

Acq: 10 Jul 2019 19:29

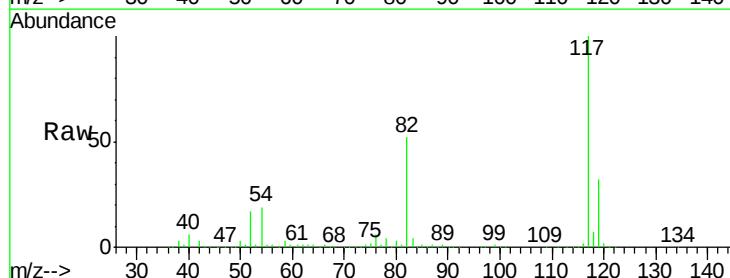
Tgt Ion: 117 Resp: 313712

Ion Ratio Lower Upper

117 100

82 51.6 41.2 61.8

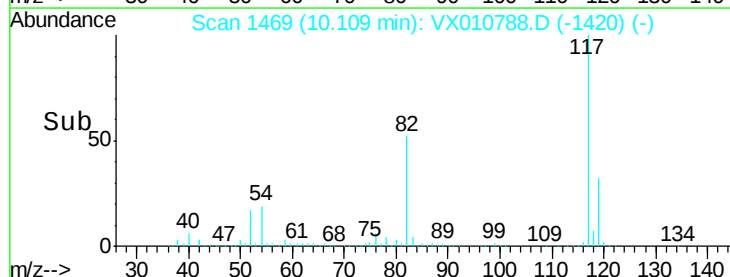
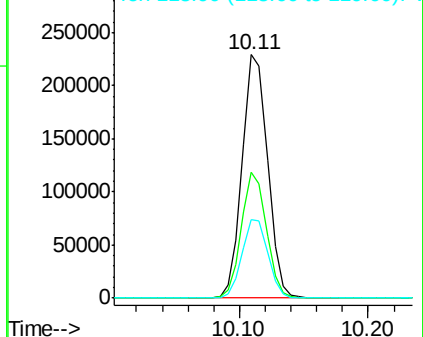
119 32.2 25.5 38.3

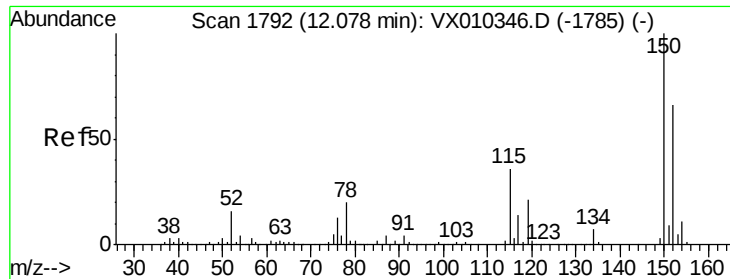


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010788.D

Acq: 10 Jul 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

GC-SOIL-PILE

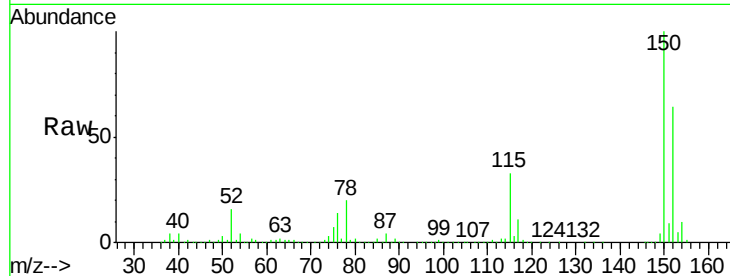
Tgt Ion:152 Resp: 147214

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

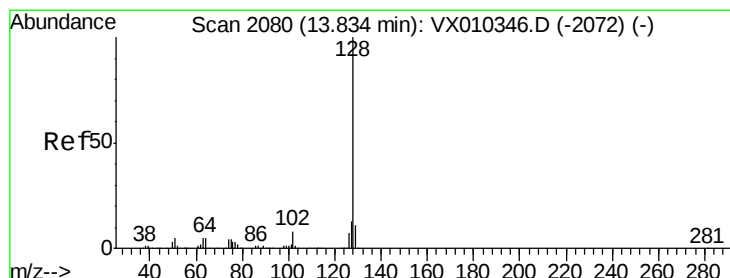
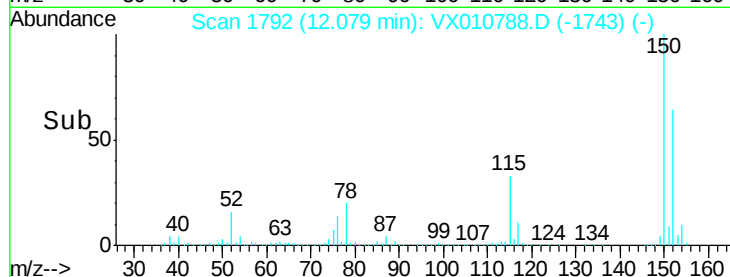
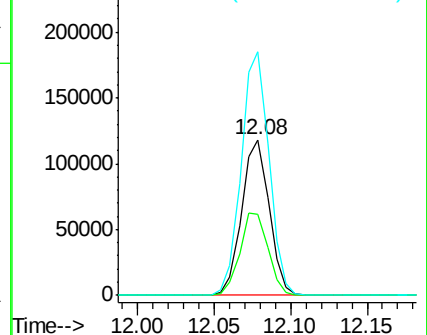
150 157.6 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 4.999 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010788.D

Acq: 10 Jul 2019 19:29

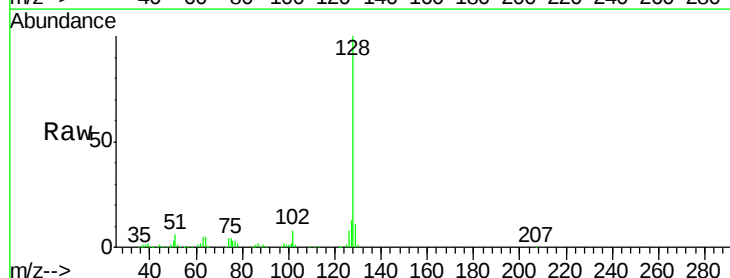
Tgt Ion:128 Resp: 51506

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

