

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016867.D
 Acq On : 19 Jun 2020 02:56
 Operator : JC/SP
 Sample : L3048-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Jun 19 04:15:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 18 15:20:47 2020
 Response via : Initial Calibration

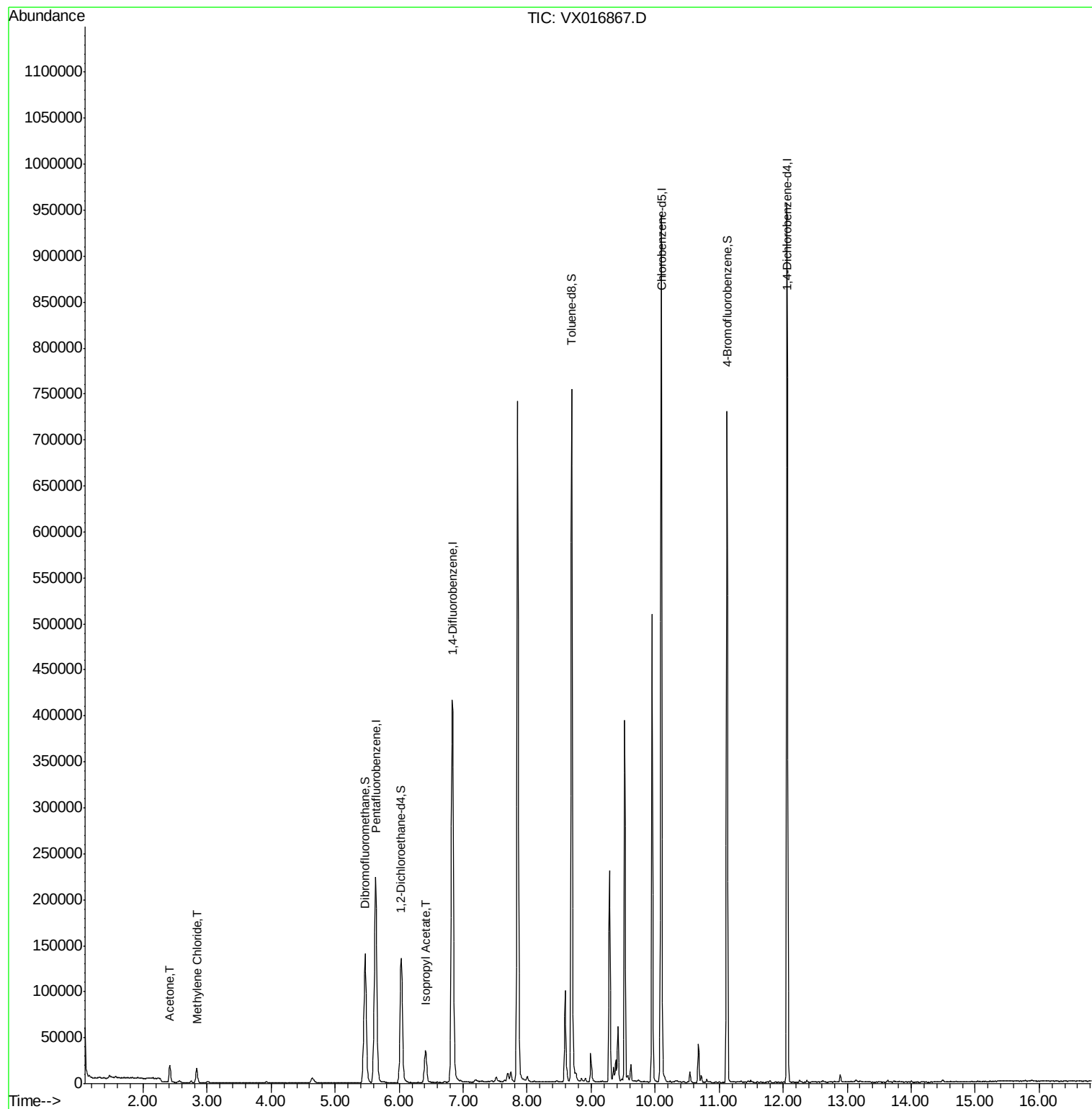
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	224336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	443353	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	445104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197592	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	132893	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
35) Dibromofluoromethane	5.47	113	116191	40.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.94%	
50) Toluene-d8	8.70	98	458461	40.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.80%	
62) 4-Bromofluorobenzene	11.12	95	189930	43.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.38%	
Target Compounds						
16) Acetone	2.42	43	19166	8.595	ug/l	92
20) Methylene Chloride	2.84	84	8078	3.439	ug/l	94
43) Isopropyl Acetate	6.41	43	49095	7.773	ug/l	99

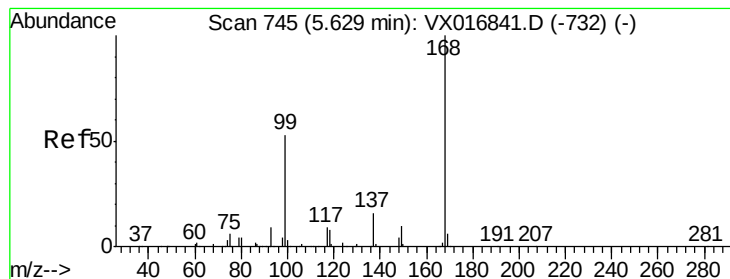
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

Instrument :

MSVOA_X

ClientSampleId :

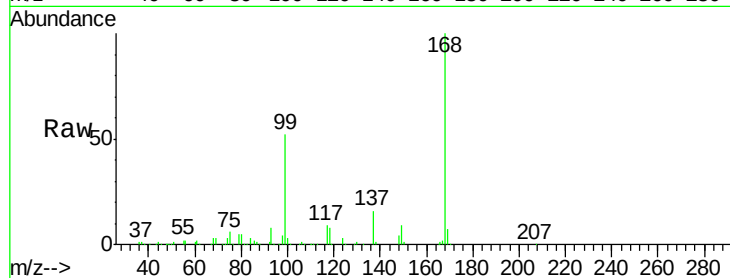
SOIL-CUTTINGS

Tot Ion:168 Resp: 224336

Ion Ratio Lower Upper

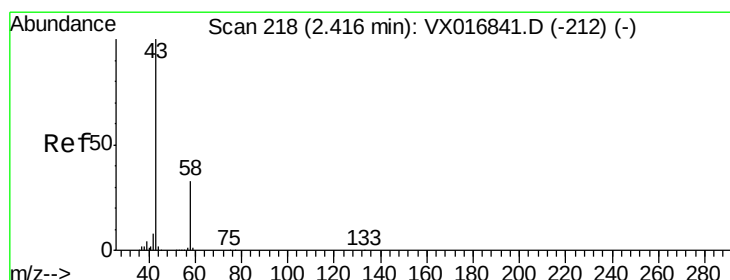
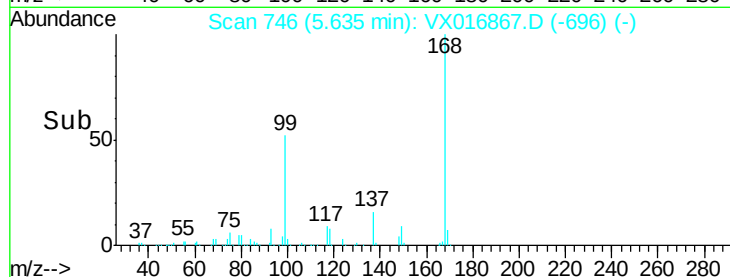
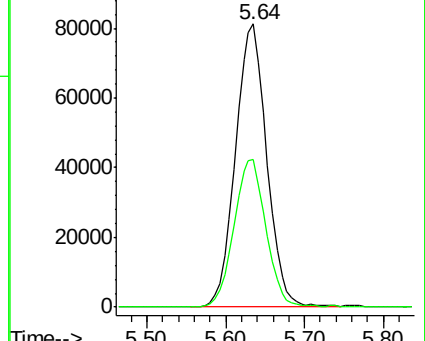
168 100

99 52.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.595 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016867.D

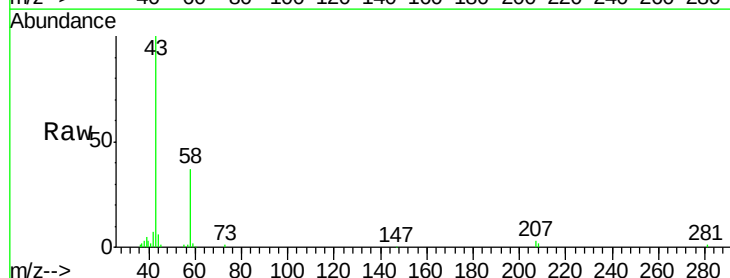
Acq: 19 Jun 2020 02:56

Tgt Ion: 43 Resp: 19166

Ion Ratio Lower Upper

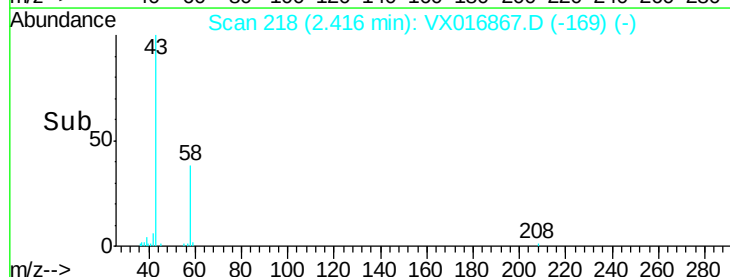
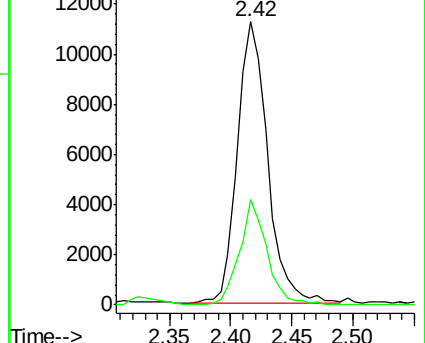
43 100

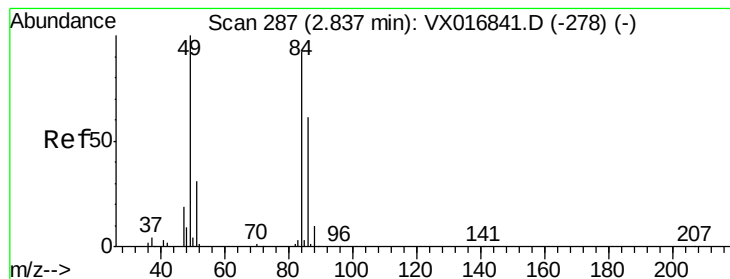
58 37.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 3.439 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

Tot Ion: 84 Resp: 8078

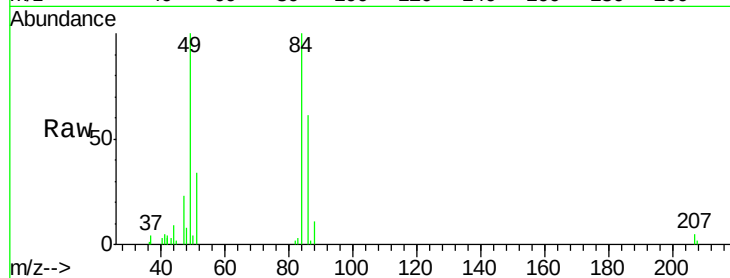
Ion Ratio Lower Upper

84 100

49 100.0 86.6 129.8

51 34.3 27.1 40.7

86 60.8 53.1 79.7

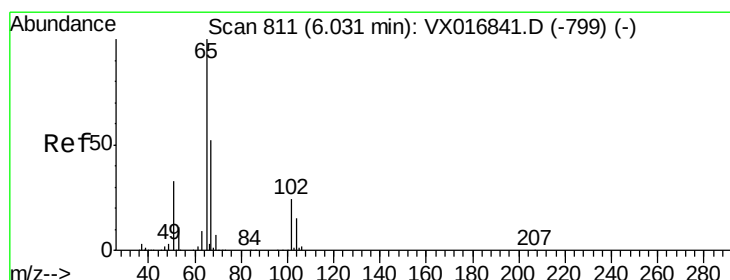
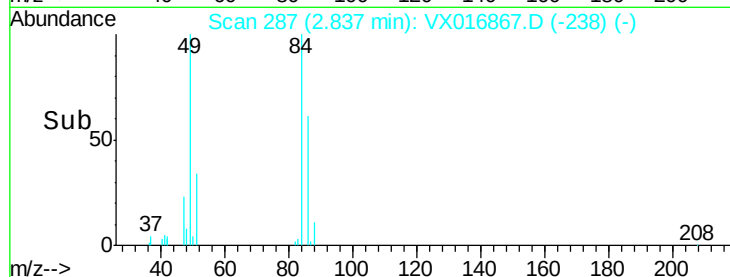
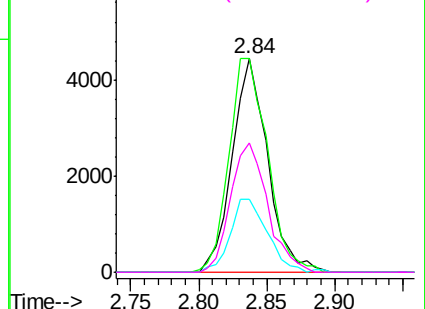


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 49.255 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016867.D

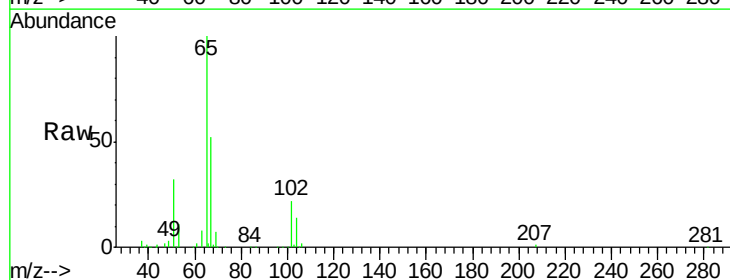
Acq: 19 Jun 2020 02:56

Tgt Ion: 65 Resp: 132893

Ion Ratio Lower Upper

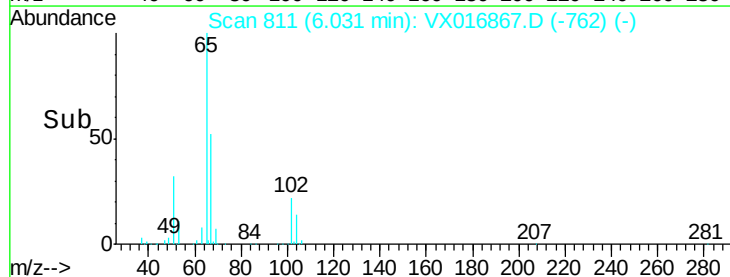
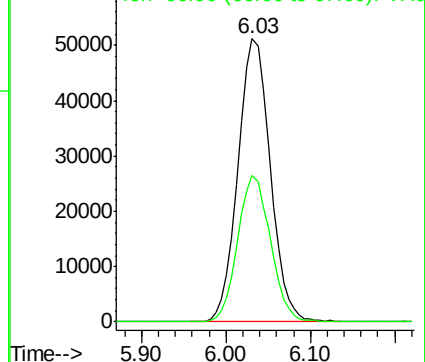
65 100

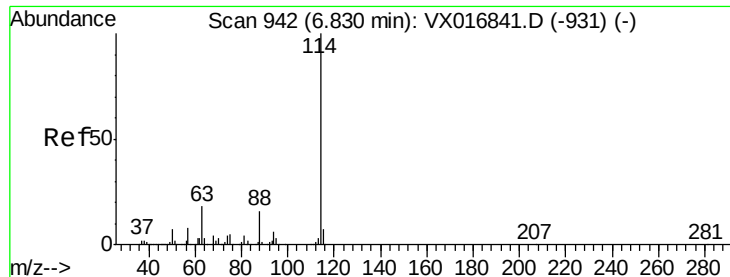
67 52.3 0.0 102.6



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

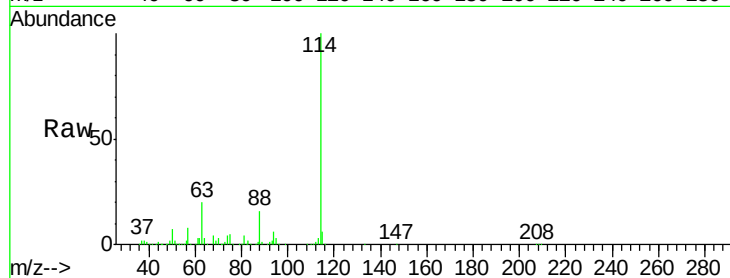
Tot Ion:114 Resp: 443353

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.0

88 15.9 0.0 32.0



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

250000

200000

150000

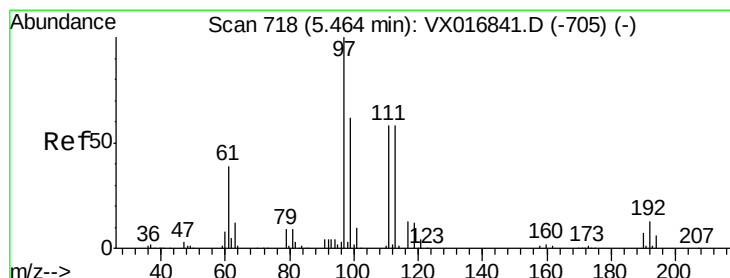
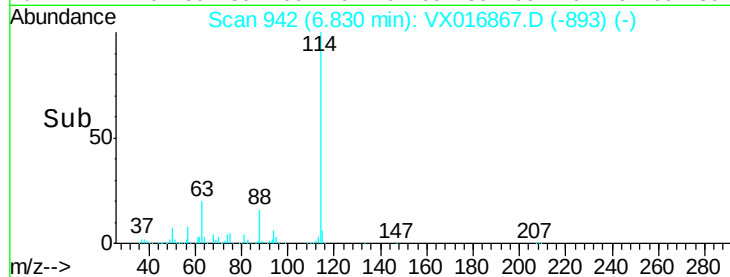
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 40.968 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

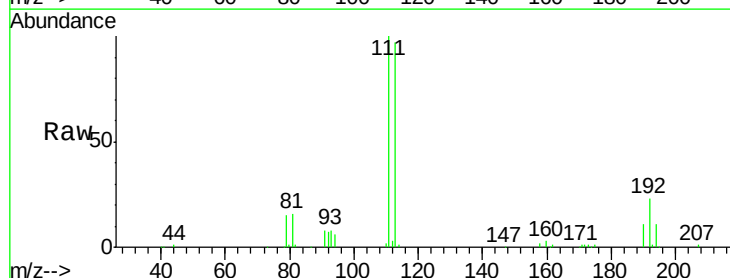
Tgt Ion:113 Resp: 116191

Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.4

192 23.1 18.5 27.7



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

60000

50000

40000

30000

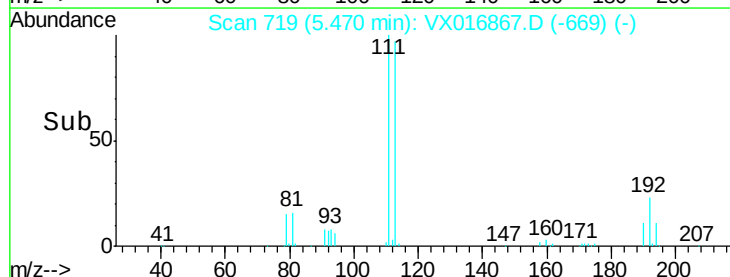
20000

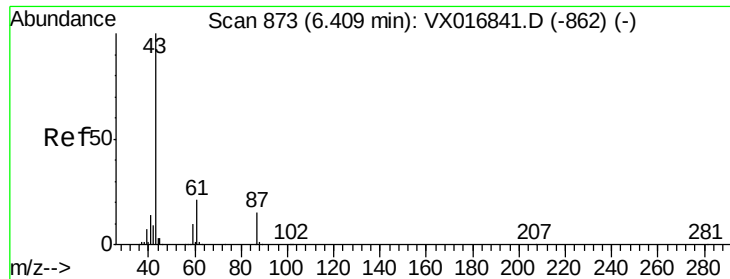
10000

0

5.40 5.45 5.50 5.55

Time-->





#43

Isopropyl Acetate

Concen: 7.773 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

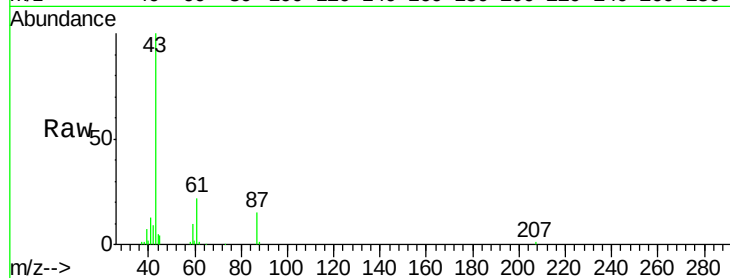
Tot Ion: 43 Resp: 49095

Ion Ratio Lower Upper

43 100

61 21.8 17.9 26.9

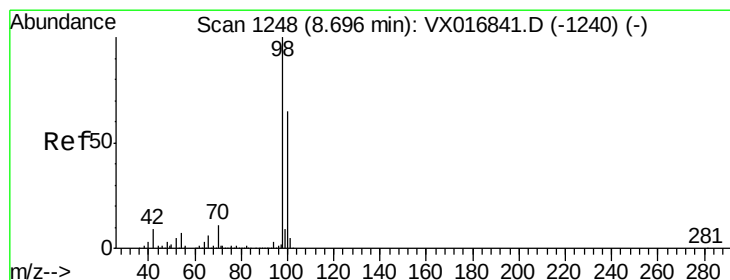
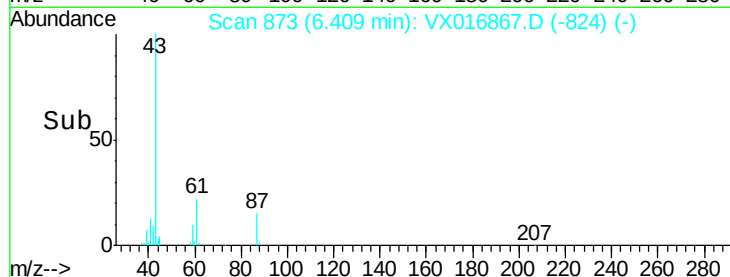
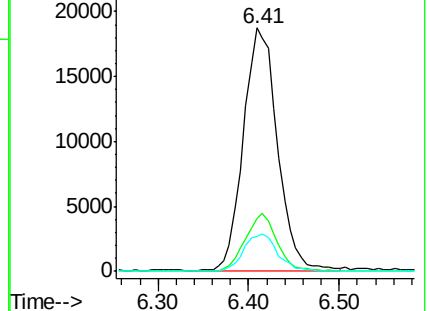
87 15.1 12.4 18.6



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: 40.404 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016867.D

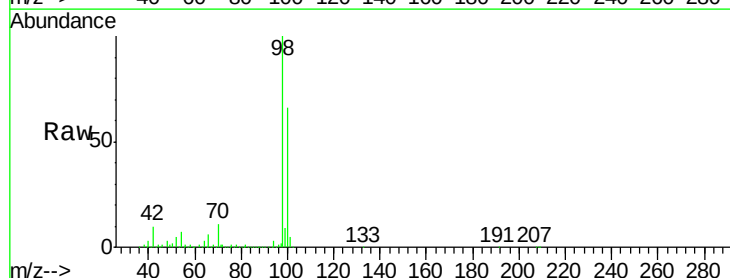
Acq: 19 Jun 2020 02:56

Tgt Ion: 98 Resp: 458461

Ion Ratio Lower Upper

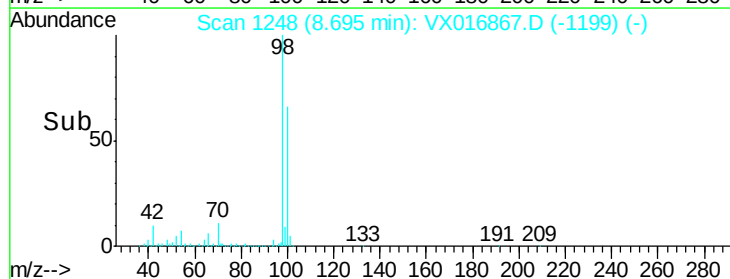
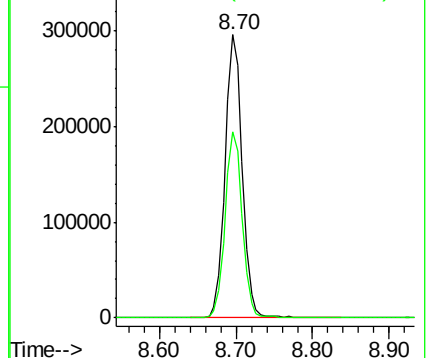
98 100

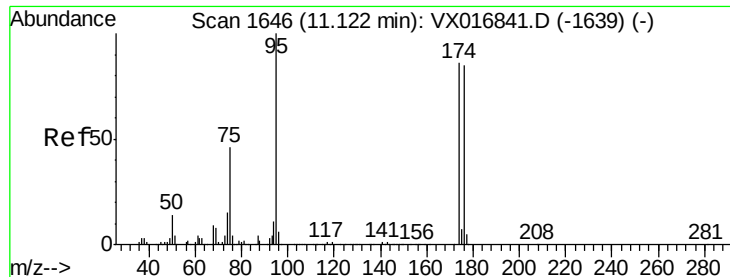
100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.687 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

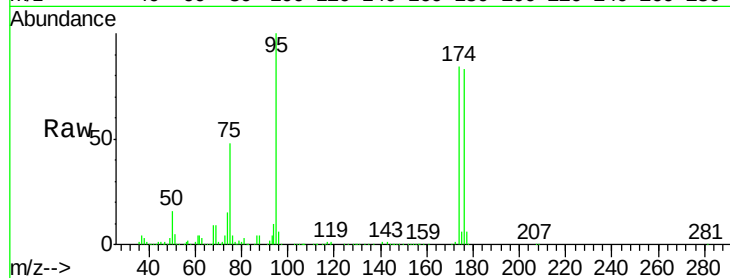
Tot Ion: 95 Resp: 189930

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.2

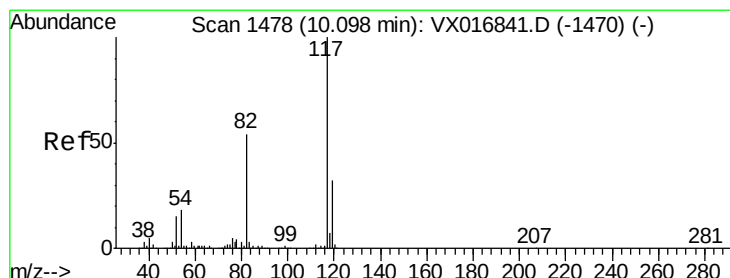
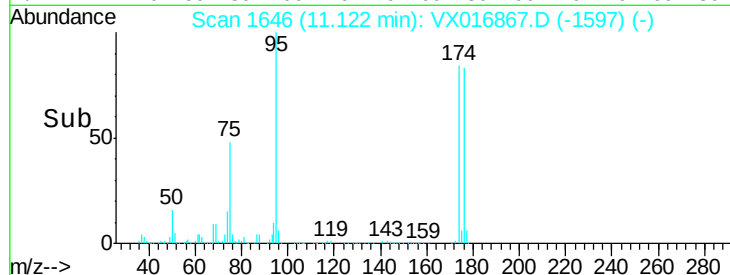
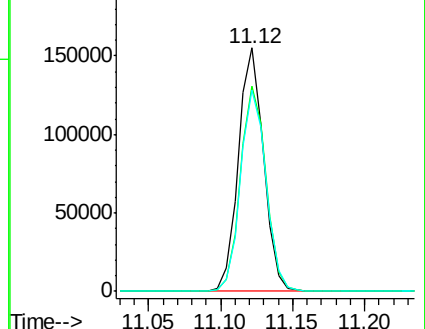
176 83.4 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX016867.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016867.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016867.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

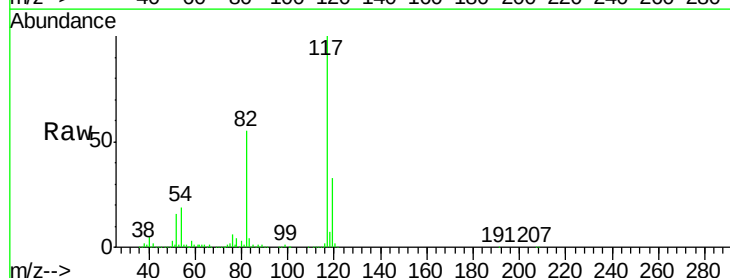
Tgt Ion: 117 Resp: 445104

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

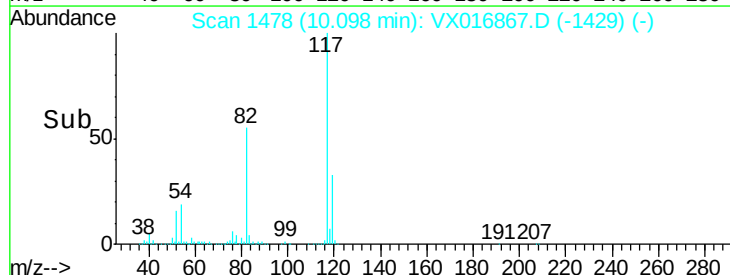
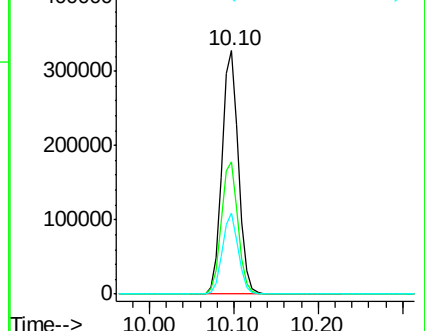
119 33.3 25.7 38.5

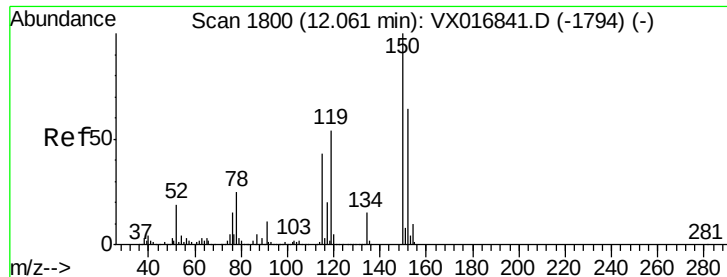


Abundance Ion 116.90 (116.60 to 117.60): VX016867.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016867.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016867.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016867.D

Acq: 19 Jun 2020 02:56

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

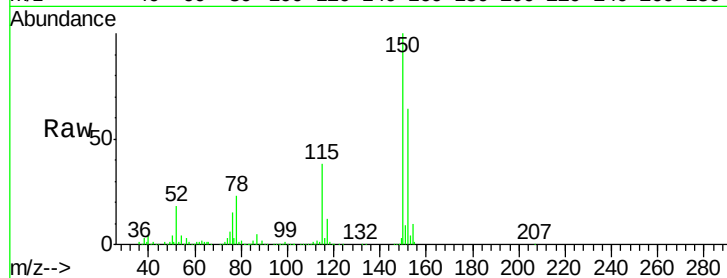
Tot Ion:152 Resp: 197592

Ion Ratio Lower Upper

152 100

115 59.6 40.9 122.8

150 160.8 0.0 344.2



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

