

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004939.D
 Acq On : 03 Oct 2018 00:23
 Operator : JC/MD
 Sample : J5170-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HC-SOIL-2

Quant Time: Oct 03 07:14:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

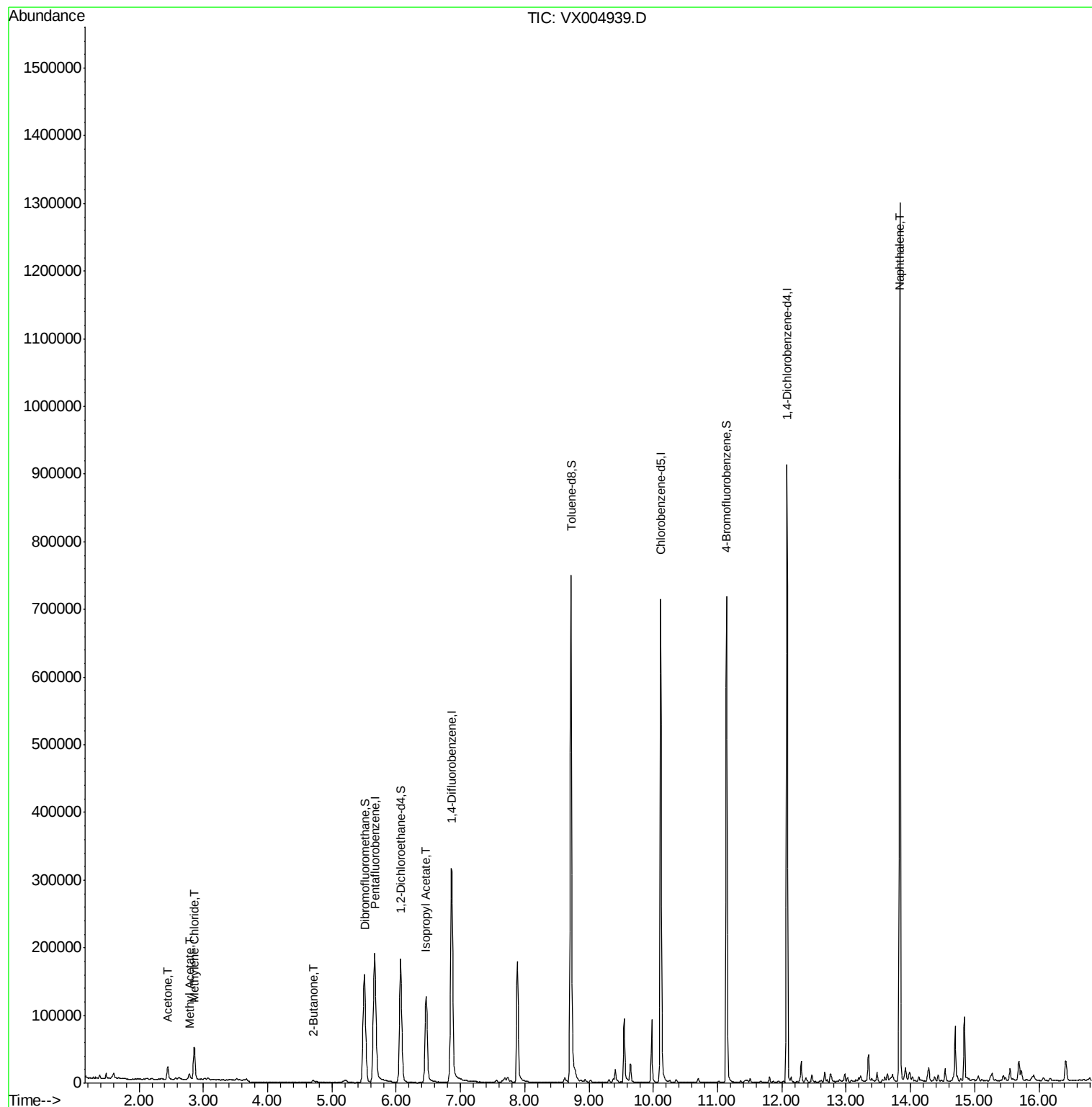
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	172678	58.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.98%	
35) Dibromofluoromethane	5.51	113	136174	46.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.94%	
50) Toluene-d8	8.72	98	500693	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.14	95	180447	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.82%	
Target Compounds						
16) Acetone	2.45	43	20317	11.787	ug/l	98
18) Methyl Acetate	2.78	43	10566	2.419	ug/l	99
20) Methylene Chloride	2.86	84	21672	7.941	ug/l	92
25) 2-Butanone	4.71	43	4981	1.960	ug/l	92
43) Isopropyl Acetate	6.46	43	177225	23.135	ug/l	97
95) Naphthalene	13.83	128	752075	48.095	ug/l	100

(#) = 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. 0.01 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

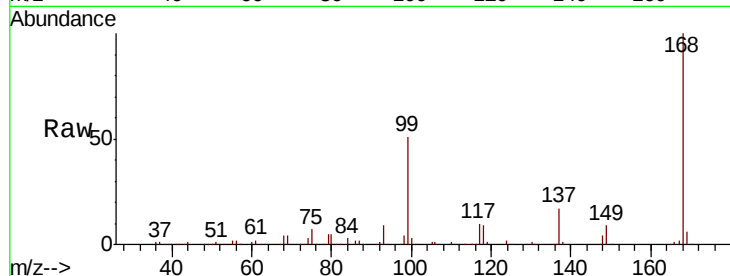
HC-SOIL-2

Tot Ion:168 Resp: 206685

Ion Ratio Lower Upper

168 100

99 51.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

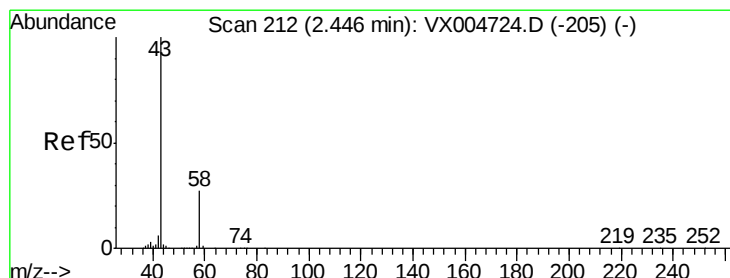
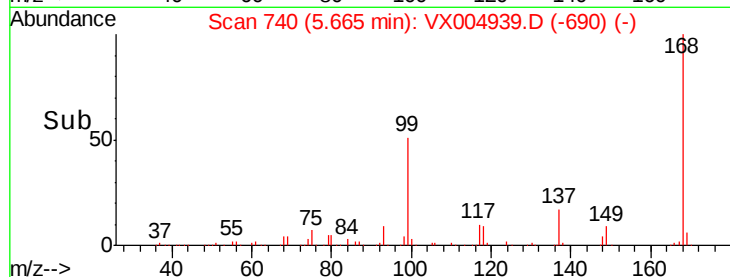
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 11.787 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004939.D

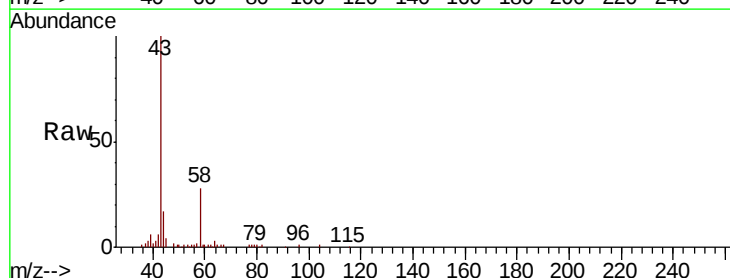
Acq: 03 Oct 2018 00:23

Tgt Ion: 43 Resp: 20317

Ion Ratio Lower Upper

43 100

58 28.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

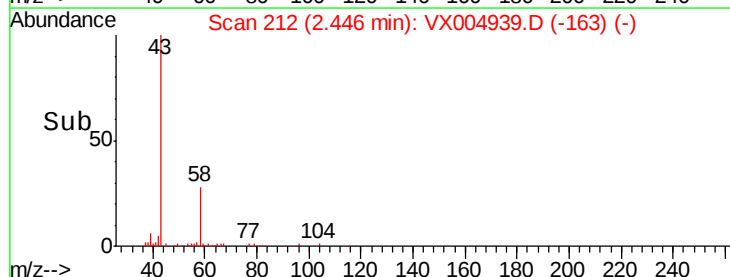
2.45

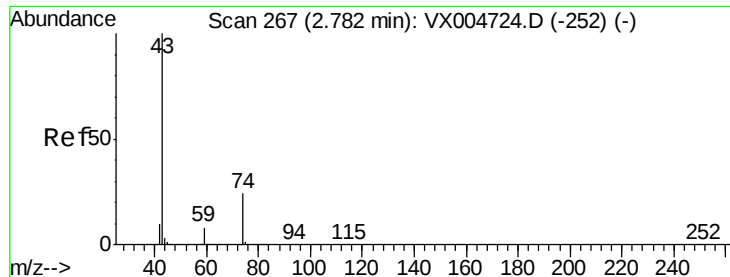
10000

5000

0

Time--> 2.35 2.40 2.45 2.50

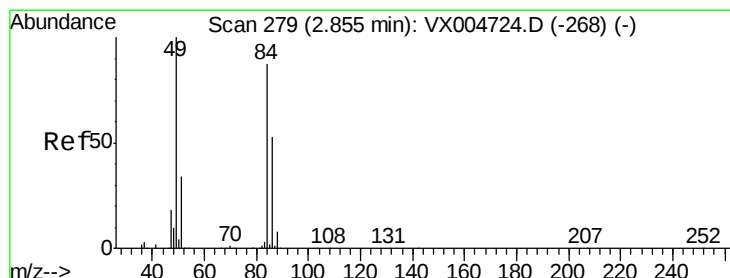
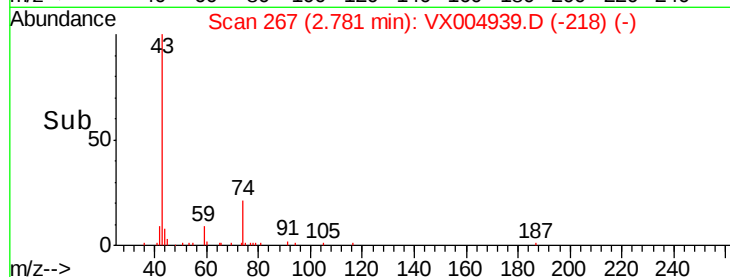
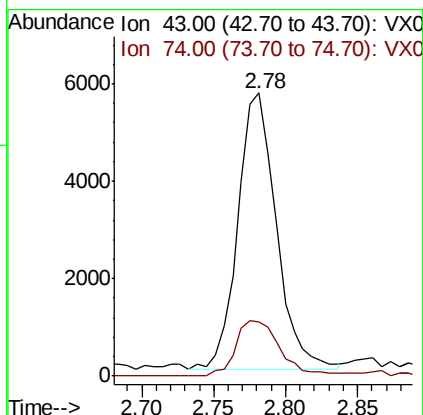
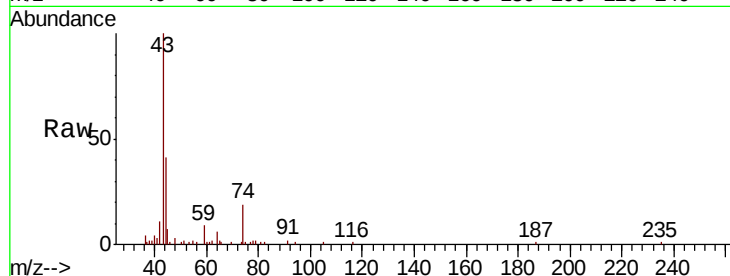




#18
Methvl Acetate
Concen: 2.419 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX004939.D
Acq: 03 Oct 2018 00:23

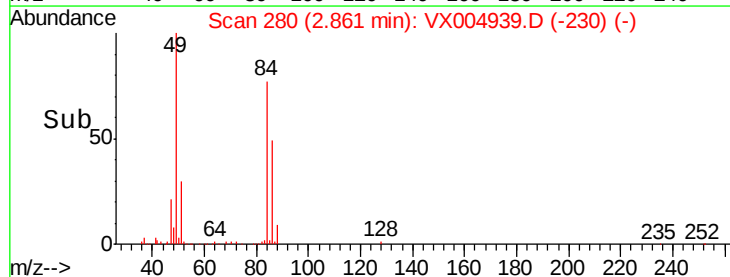
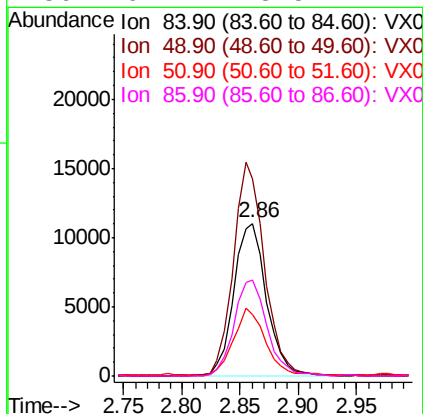
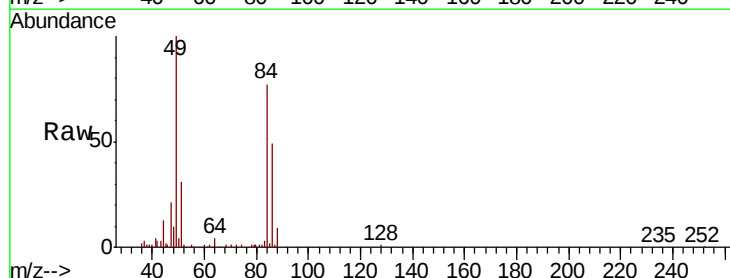
Instrument :
MSVOA_X
ClientSampleId :
HC-SOIL-2

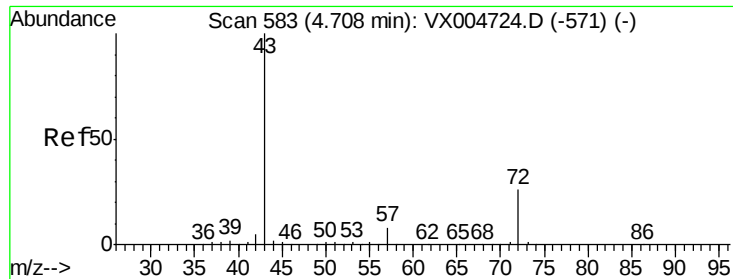
Tot Ion: 43 Resp: 10566
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 7.941 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004939.D
Acq: 03 Oct 2018 00:23

Tgt Ion: 84 Resp: 21672
Ion Ratio Lower Upper
84 100
49 129.2 92.3 138.5
51 39.5 31.8 47.6
86 62.7 48.5 72.7





#25

2-Butanone

Concen: 1.960 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

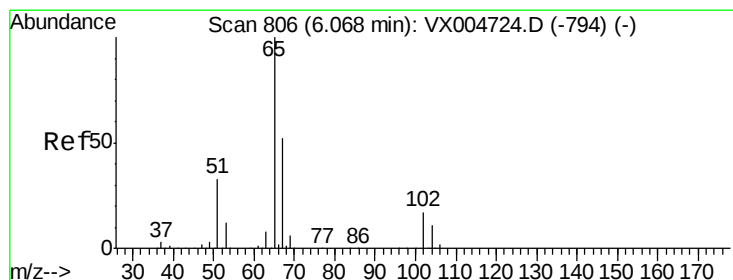
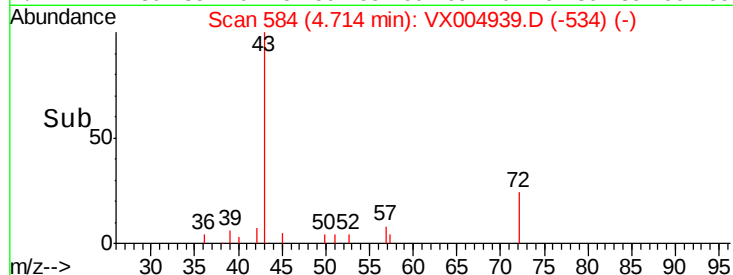
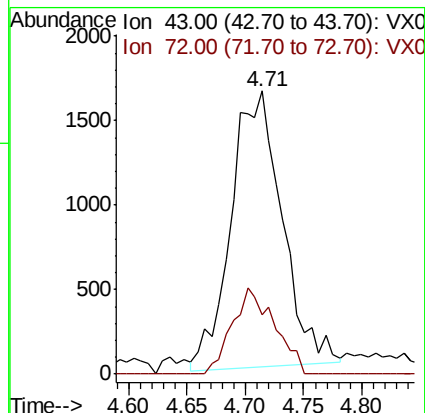
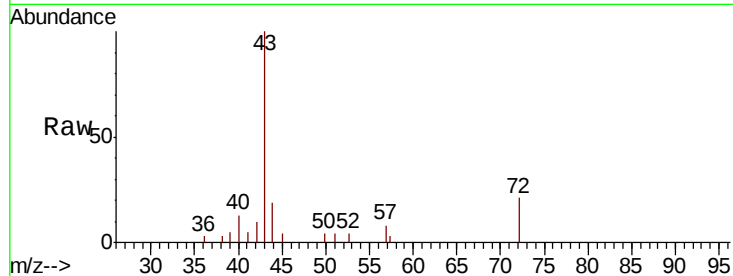
HC-SOIL-2

Tot Ion: 43 Resp: 4981

Ion Ratio Lower Upper

43 100

72 22.0 20.8 31.2



#33

1,2-Dichloroethane-d4

Concen: 58.485 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004939.D

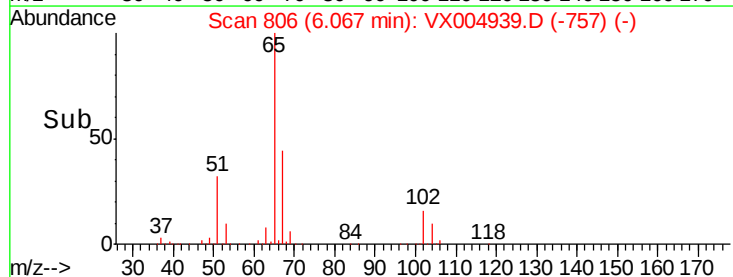
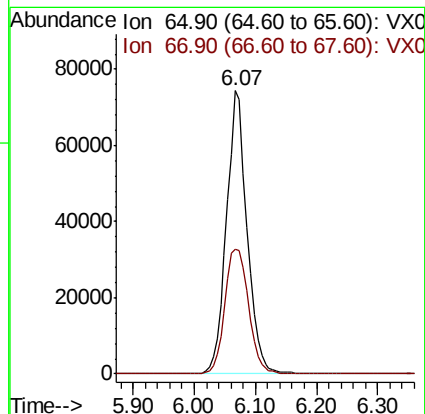
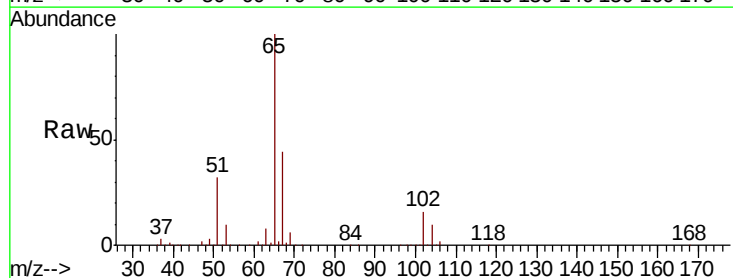
Acq: 03 Oct 2018 00:23

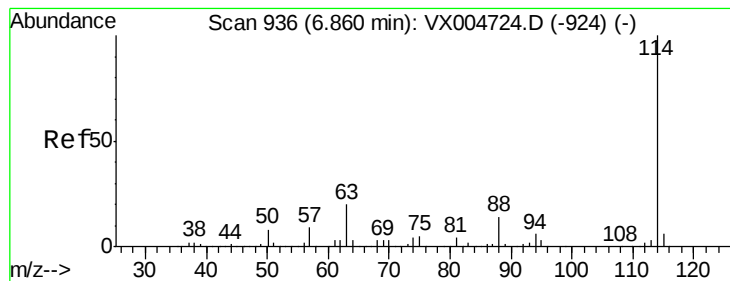
Tgt Ion: 65 Resp: 172678

Ion Ratio Lower Upper

65 100

67 50.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

HC-SOIL-2

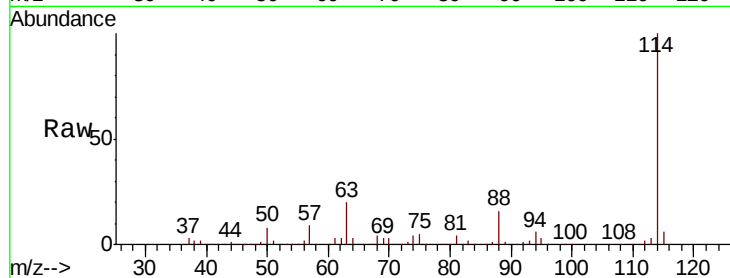
Tot Ion:114 Resp: 345781

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

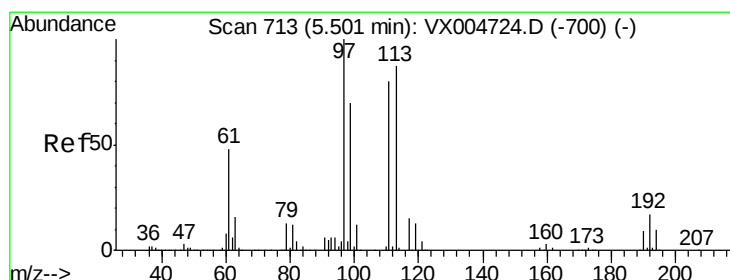
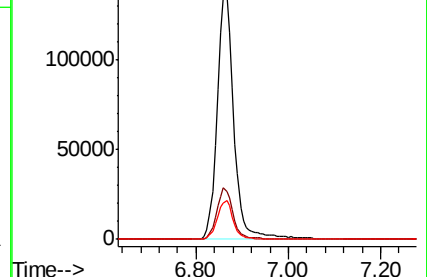
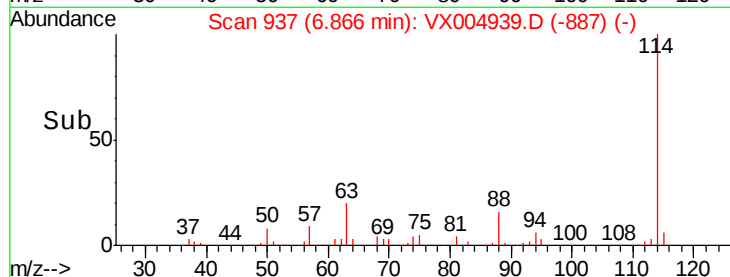
88 15.8 0.0 27.0



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



#35

Dibromofluoromethane

Concen: 46.467 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

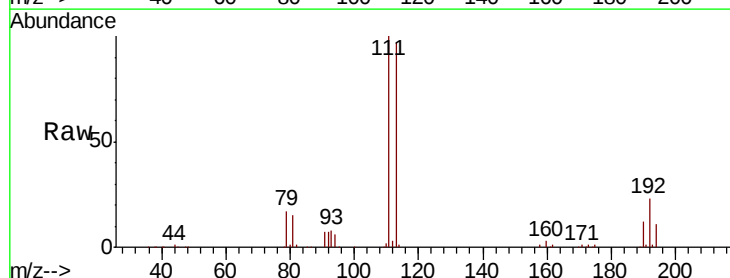
Tgt Ion:113 Resp: 136174

Ion Ratio Lower Upper

113 100

111 102.7 77.0 115.4

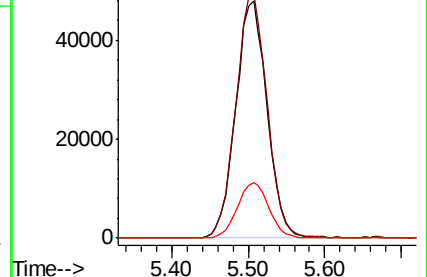
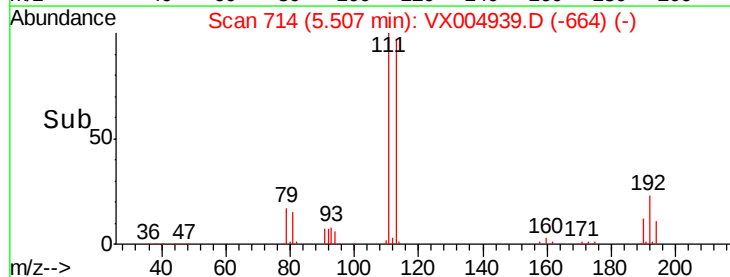
192 23.4 17.0 25.6

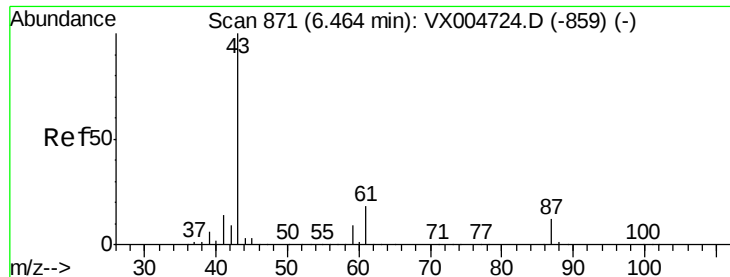


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 23.135 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

HC-SOIL-2

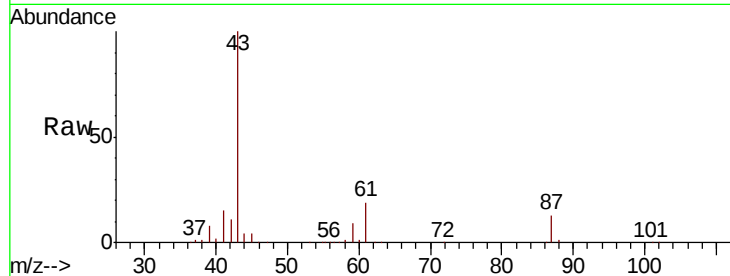
Tot Ion: 43 Resp: 177225

Ion Ratio Lower Upper

43 100

61 19.2 14.2 21.4

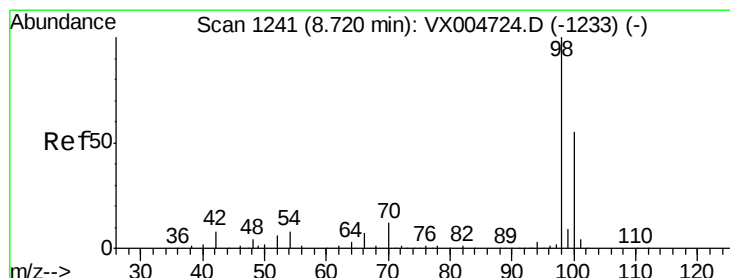
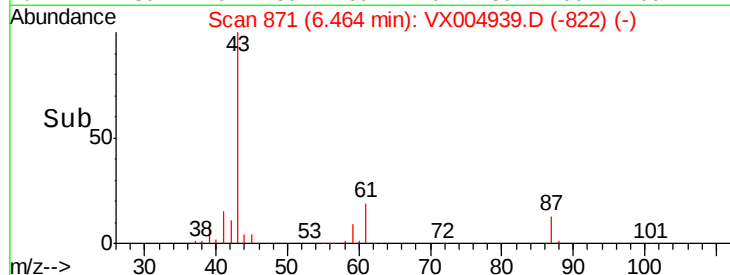
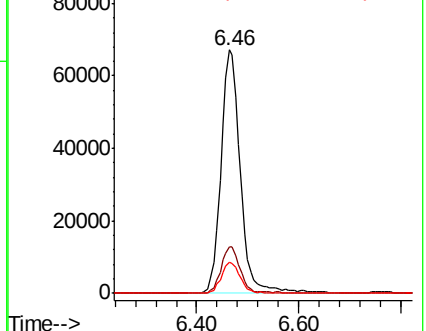
87 12.5 9.3 13.9



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: 51.392 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004939.D

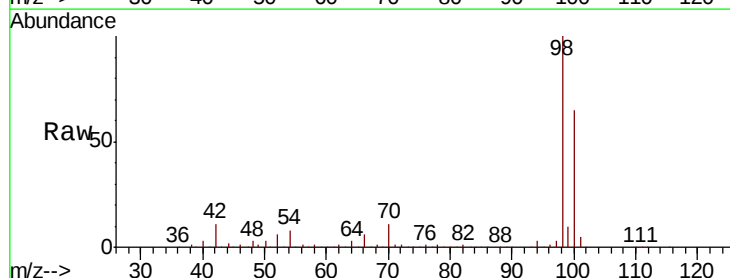
Acq: 03 Oct 2018 00:23

Tgt Ion: 98 Resp: 500693

Ion Ratio Lower Upper

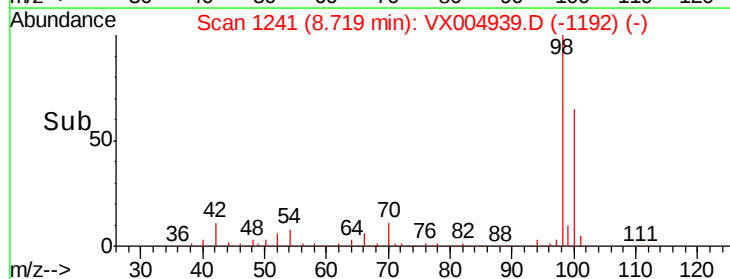
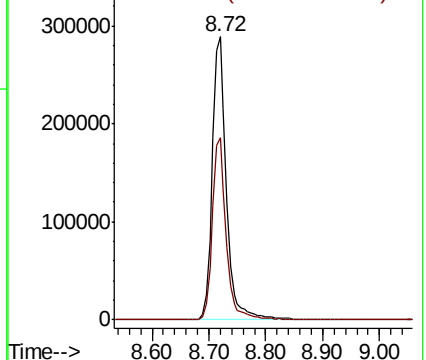
98 100

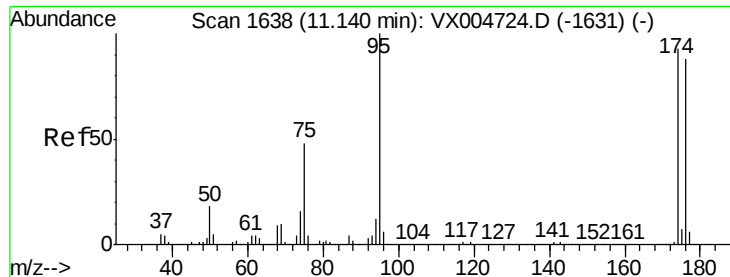
100 63.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.412 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

Instrument :

MSVOA_X

ClientSampled :

HC-SOIL-2

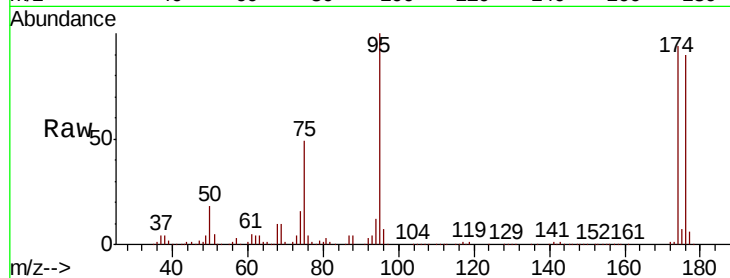
Tot Ion: 95 Resp: 180447

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.0

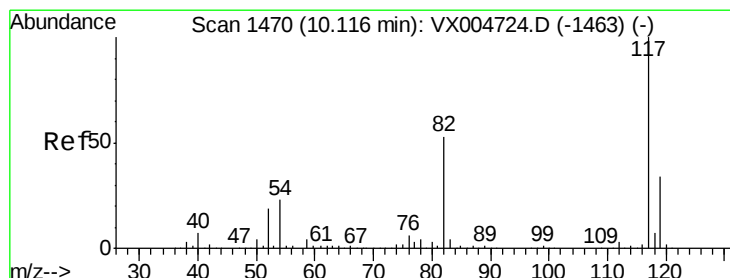
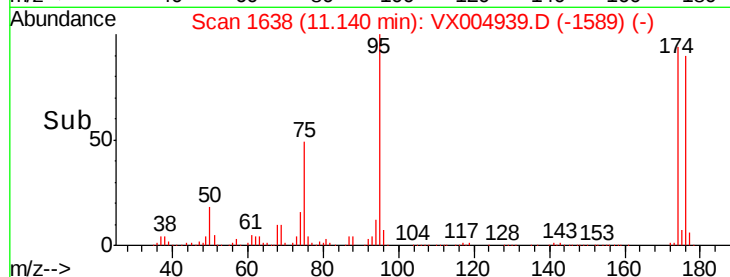
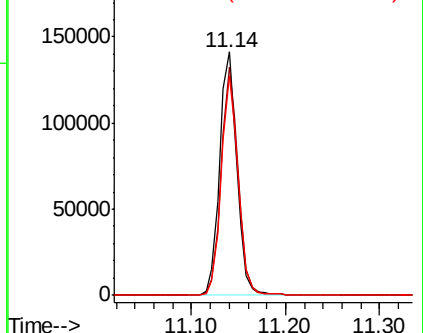
176 88.3 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

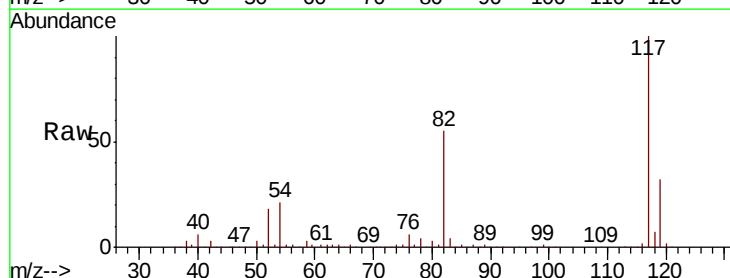
Tgt Ion: 117 Resp: 343936

Ion Ratio Lower Upper

117 100

82 55.1 42.2 63.4

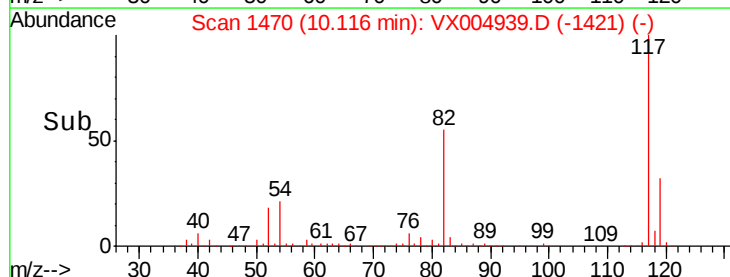
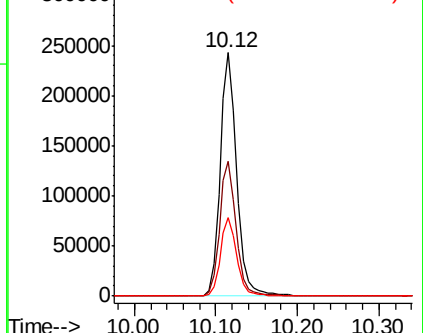
119 32.2 27.4 41.0

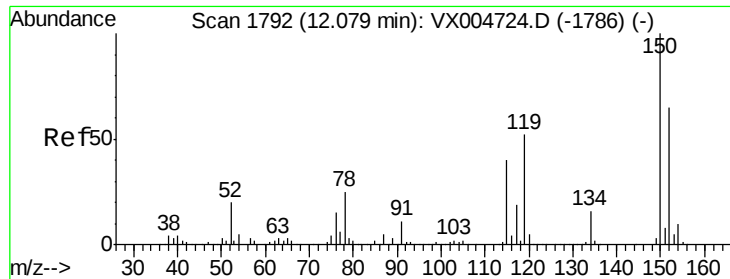


Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

HC-SOIL-2

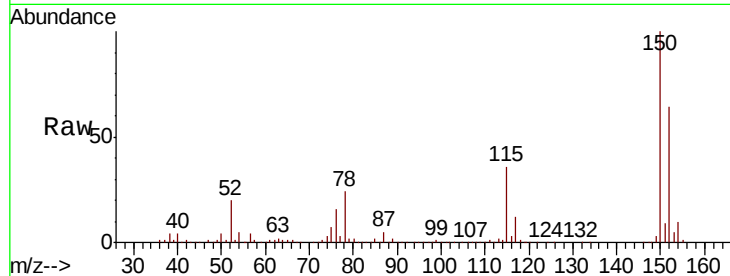
Tot Ion:152 Resp: 188100

Ion Ratio Lower Upper

152 100

115 55.6 40.2 120.6

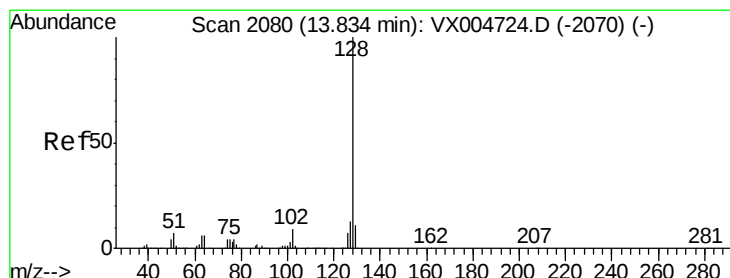
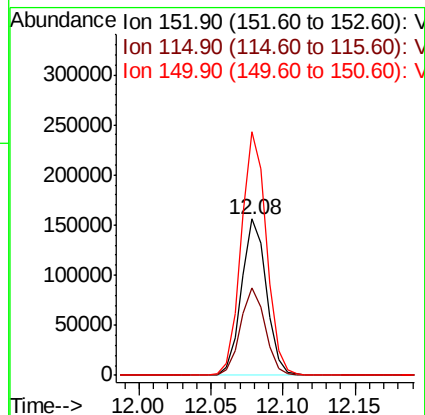
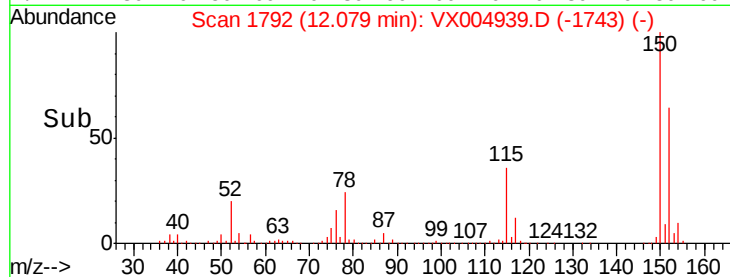
150 157.2 0.0 351.0



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: 48.095 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004939.D

Acq: 03 Oct 2018 00:23

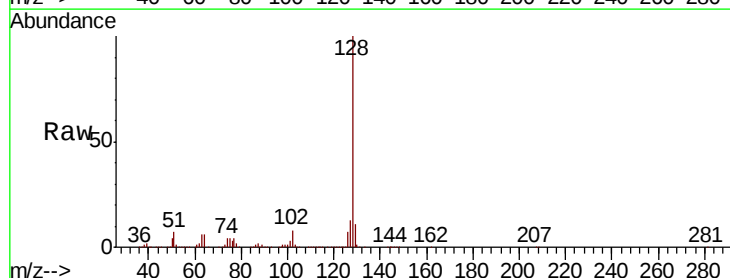
Tgt Ion:128 Resp: 752075

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 8.7 13.1



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

