

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003185.D
 Acq On : 05 Jul 2018 21:00
 Operator : JC/MD
 Sample : J3852-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HC-SOIL-2

Quant Time: Jul 06 01:49:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	180138	46.76	ug/l	0.01
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	5.51	113	147522	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.72	98	538875	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.14	95	190399	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

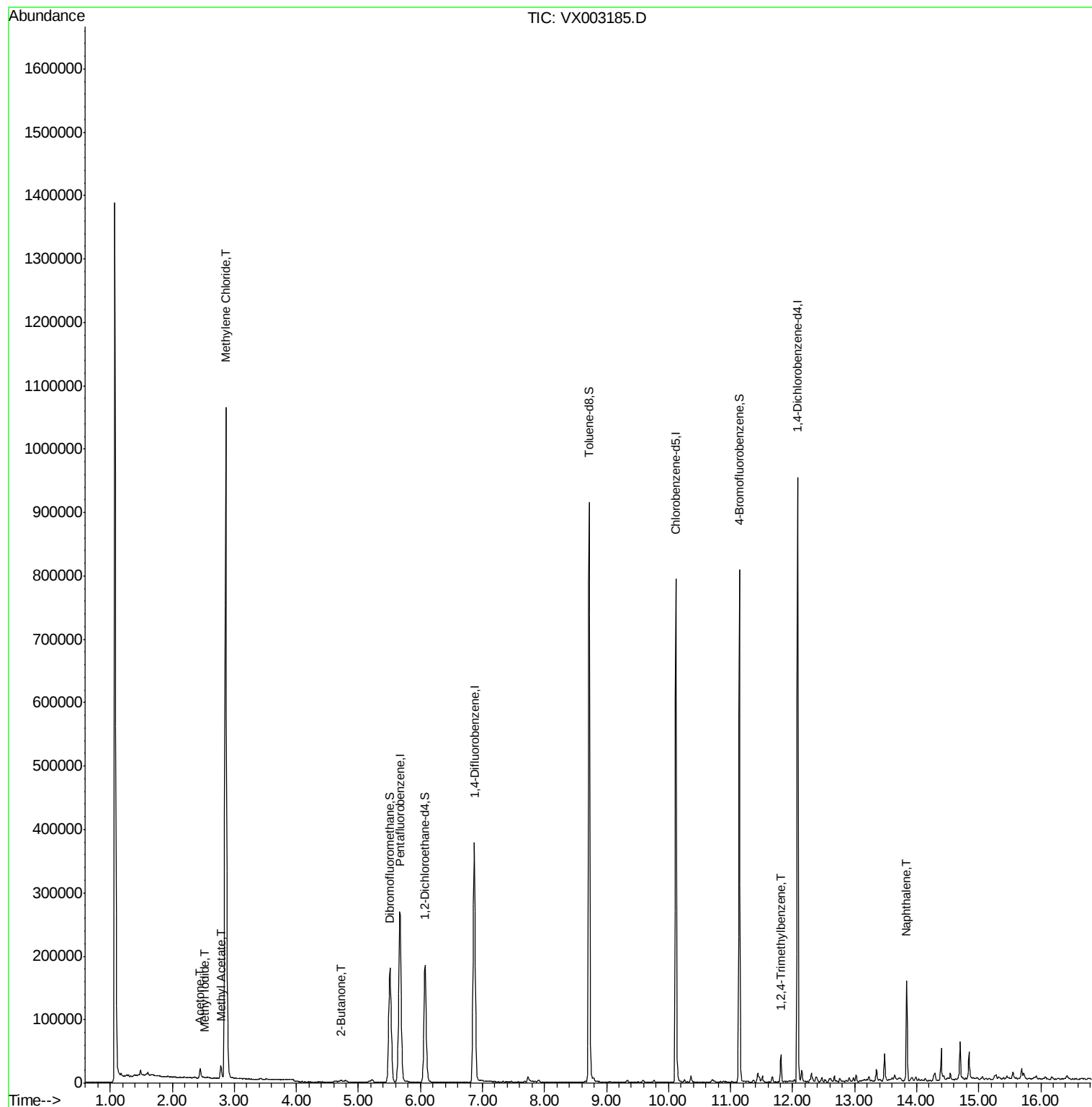
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	1540	6.66	ug/l	# 95
16) Acetone	2.45	43	15897	9.97	ug/l	91
18) Methyl Acetate	2.78	43	23247	5.21	ug/l	95
20) Methylene Chloride	2.86	84	504714	162.59	ug/l	93
25) 2-Butanone	4.72	43	4448	1.88	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	17260	1.42	ug/l	98
95) Naphthalene	13.84	128	102944	7.28	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003185.D

Acq: 05 Jul 2018 21:00

Instrument :

MSVOA_X

ClientSampled :

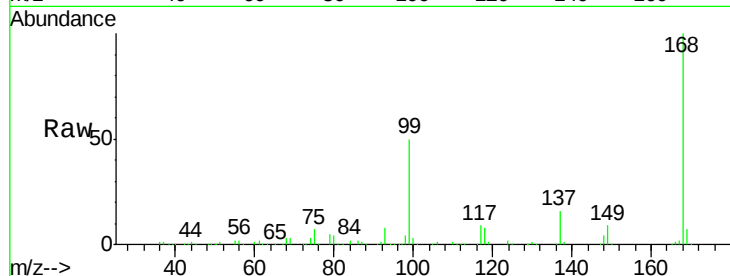
HC-SOIL-2

Tot Ion:168 Resp: 278685

Ion Ratio Lower Upper

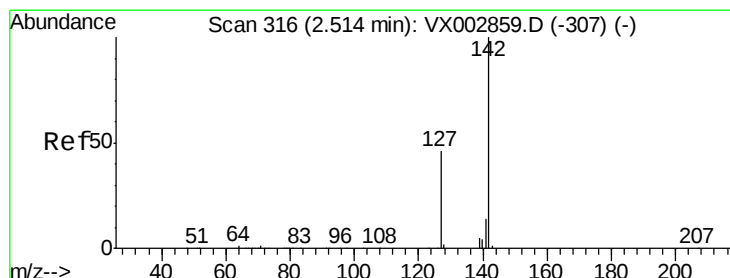
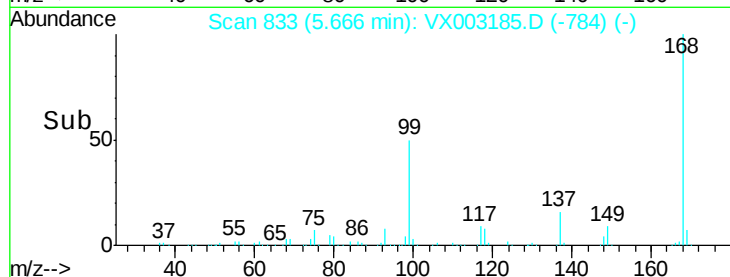
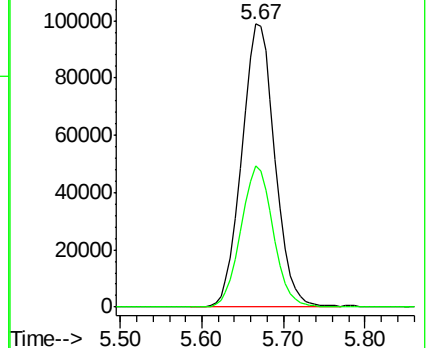
168 100

99 49.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.66 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003185.D

Acq: 05 Jul 2018 21:00

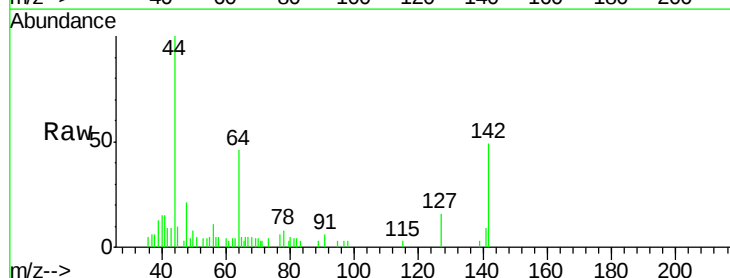
Tgt Ion:142 Resp: 1540

Ion Ratio Lower Upper

142 100

127 45.5 36.6 55.0

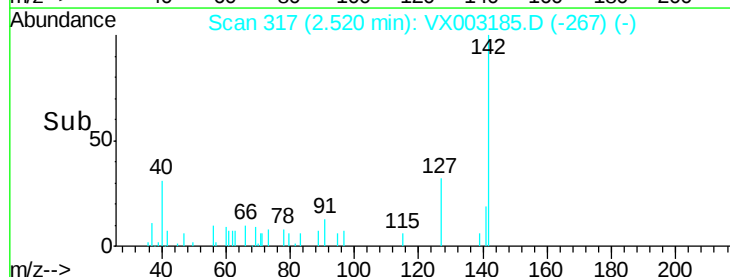
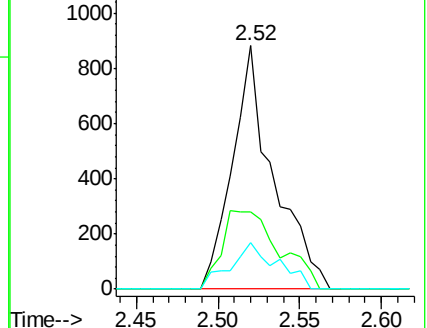
141 21.7 11.3 16.9#

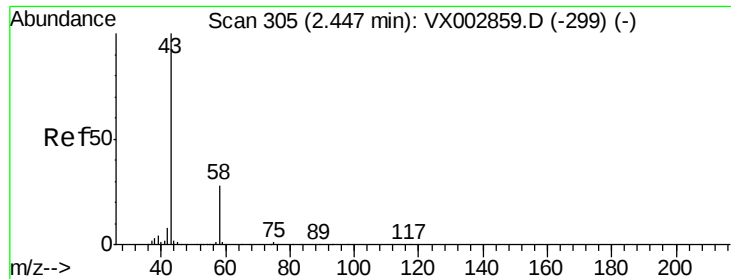


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 9.97 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003185.D

Acq: 05 Jul 2018 21:00

Instrument :

MSVOA_X

ClientSampled :

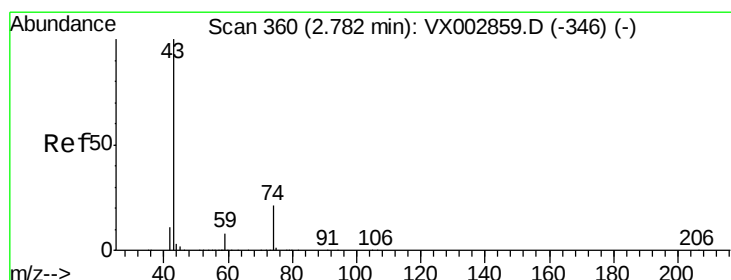
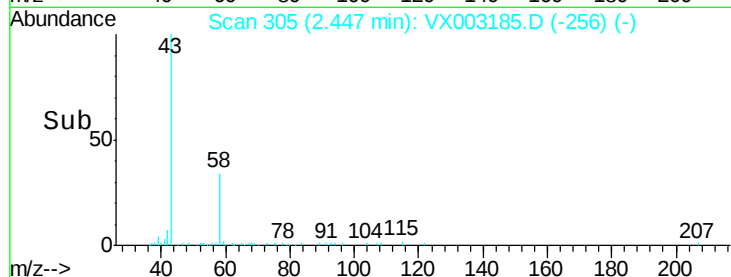
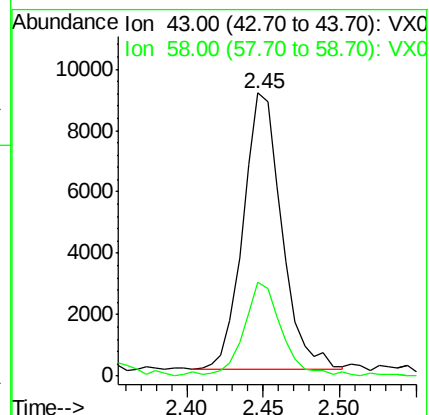
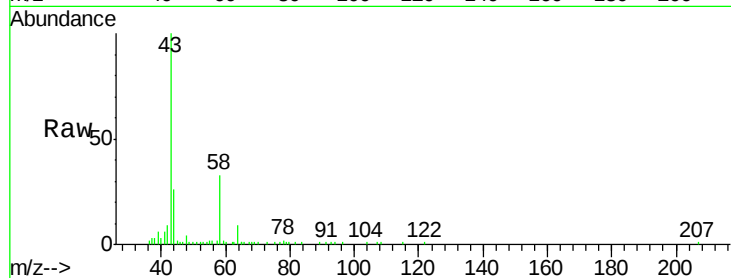
HC-SOIL-2

Tot Ion: 43 Resp: 15897

Ion Ratio Lower Upper

43 100

58 32.5 22.1 33.1



#18

Methyl Acetate

Concen: 5.21 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003185.D

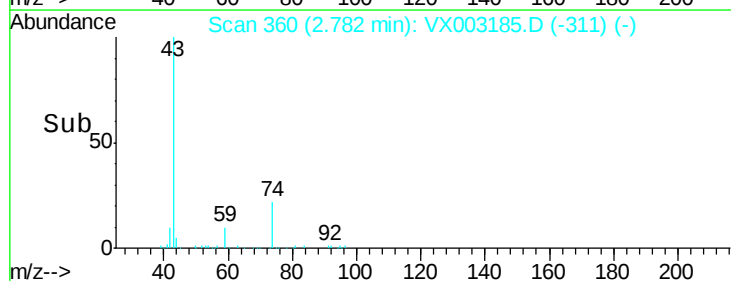
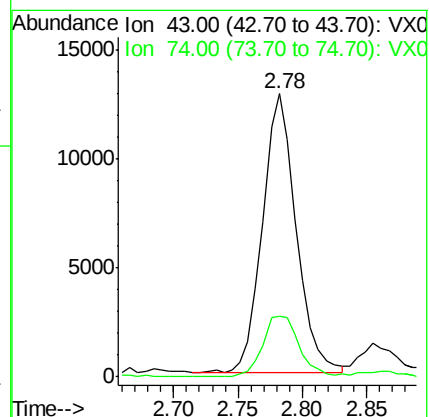
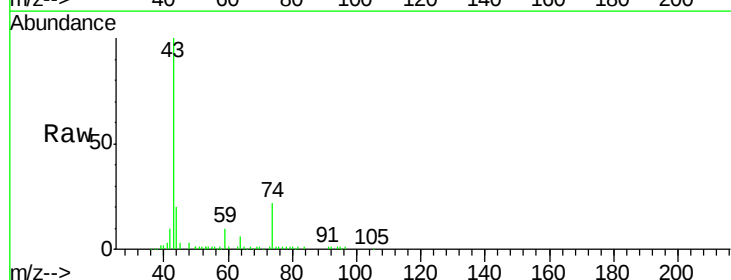
Acq: 05 Jul 2018 21:00

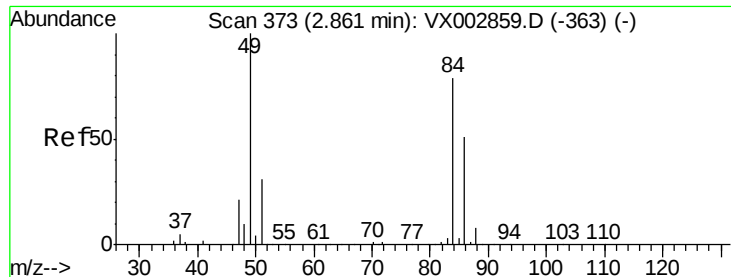
Tgt Ion: 43 Resp: 23247

Ion Ratio Lower Upper

43 100

74 23.4 16.7 25.1

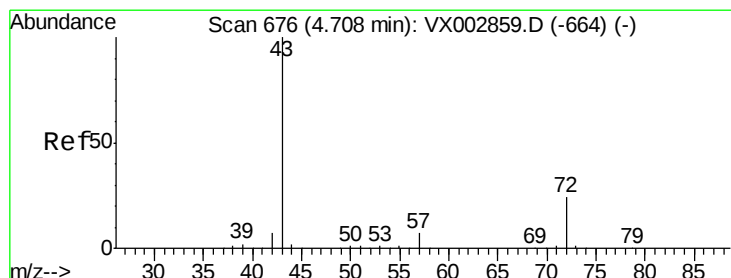
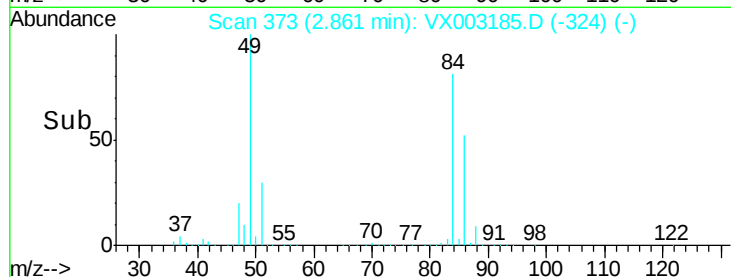
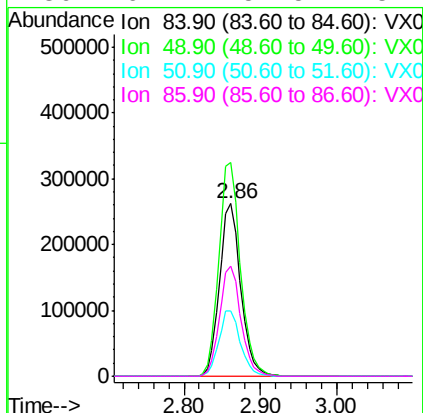
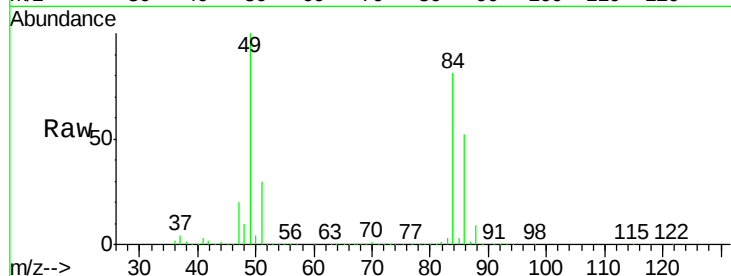




#20
Methylene Chloride
Concen: 162.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX003185.D
Acq: 05 Jul 2018 21:00

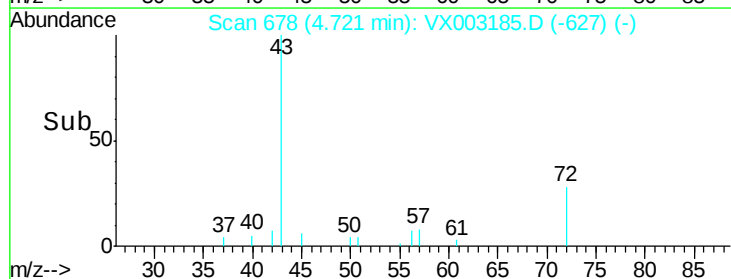
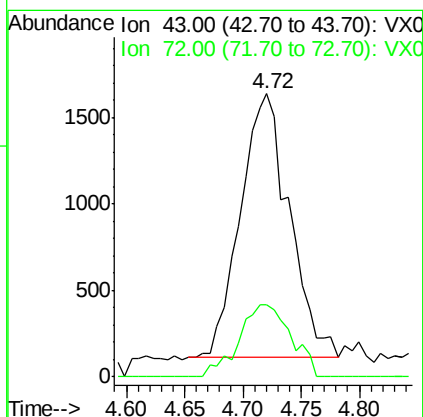
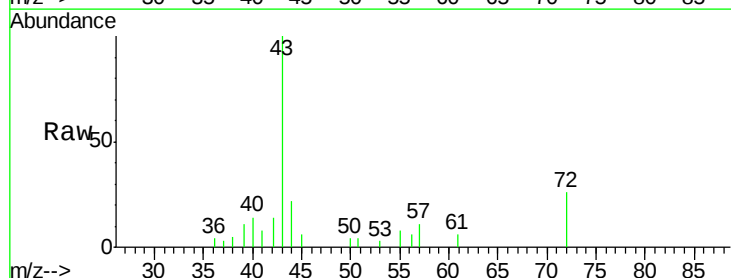
Instrument :
MSVOA_X
ClientSampled :
HC-SOIL-2

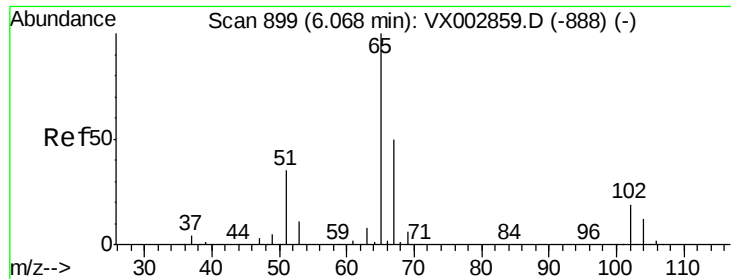
Tot Ion: 84 Resp: 504714
Ion Ratio Lower Upper
84 100
49 123.8 107.8 161.6
51 37.6 32.8 49.2
86 64.2 52.5 78.7



#25
2-Butanone
Concen: 1.88 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003185.D
Acq: 05 Jul 2018 21:00

Tgt Ion: 43 Resp: 4448
Ion Ratio Lower Upper
43 100
72 27.4 18.5 27.7

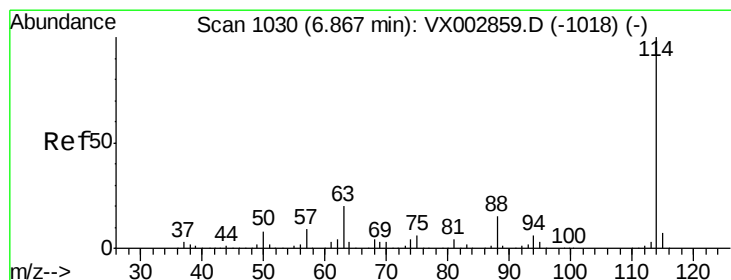
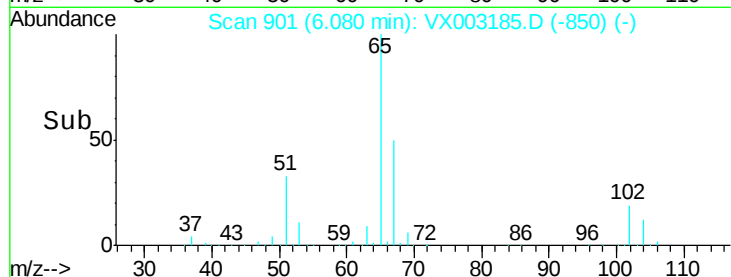
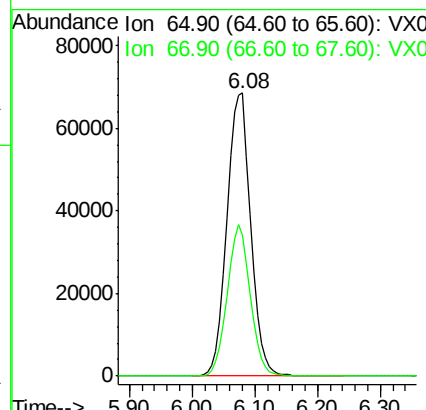
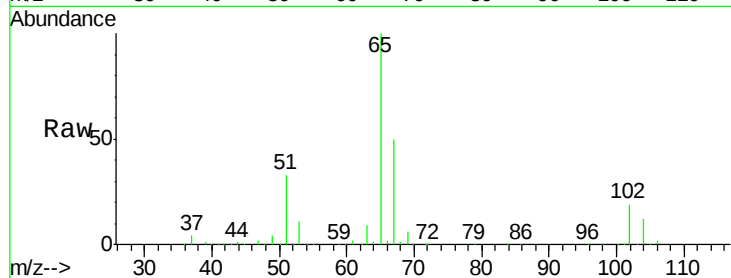




#33
 1,2-Dichloroethane-d4
 Concen: 46.76 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX003185.D
 Acq: 05 Jul 2018 21:00

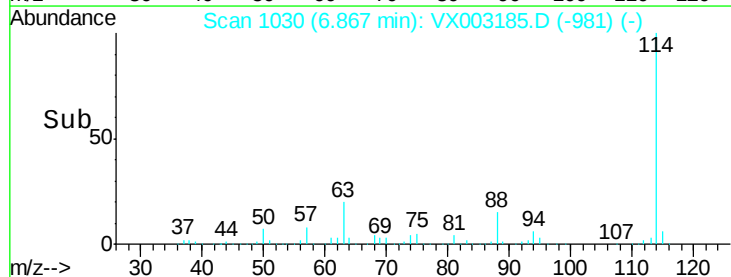
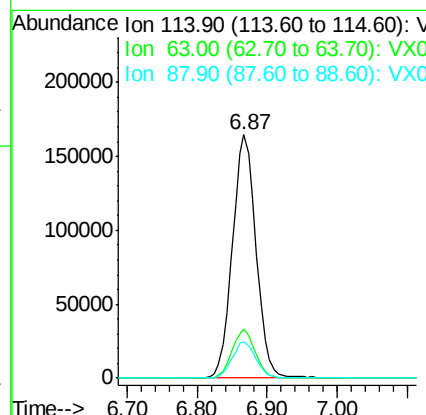
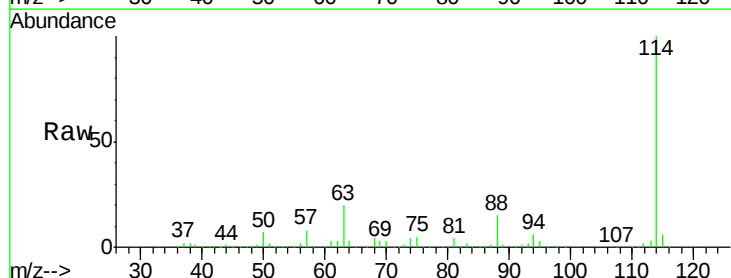
Instrument :
 MSVOA_X
 ClientSampleId :
 HC-SOIL-2

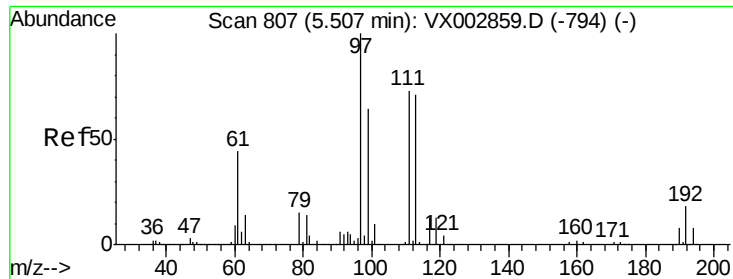
Tot Ion: 65 Resp: 180138
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003185.D
 Acq: 05 Jul 2018 21:00

Tgt Ion: 114 Resp: 385717
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 14.8 0.0 30.0

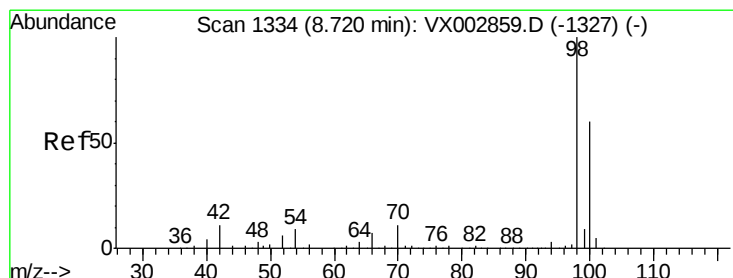
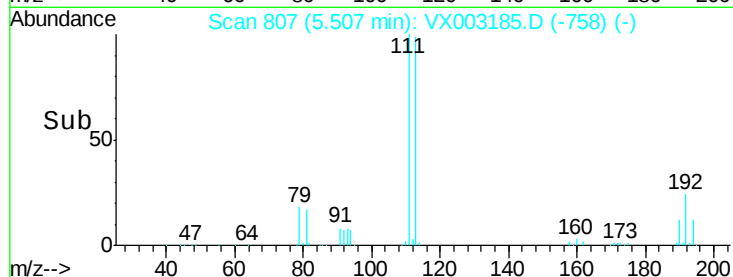
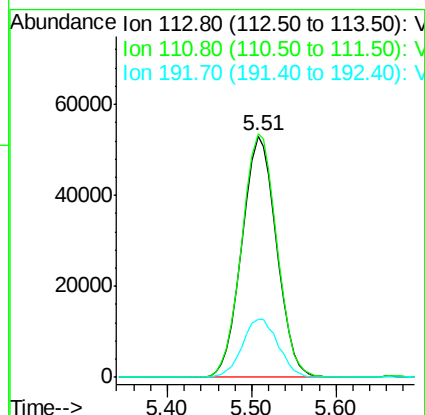
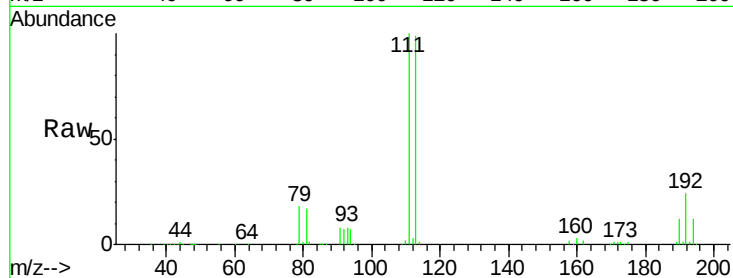




#35
 Dibromofluoromethane
 Concen: 48.30 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003185.D
 Acq: 05 Jul 2018 21:00

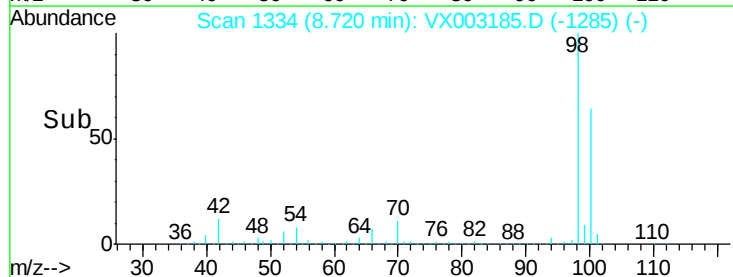
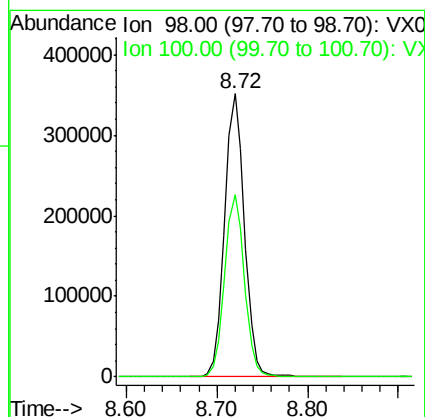
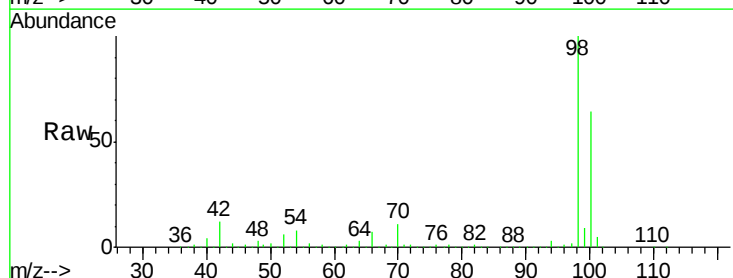
Instrument :
 MSVOA_X
 ClientSampleId :
 HC-SOIL-2

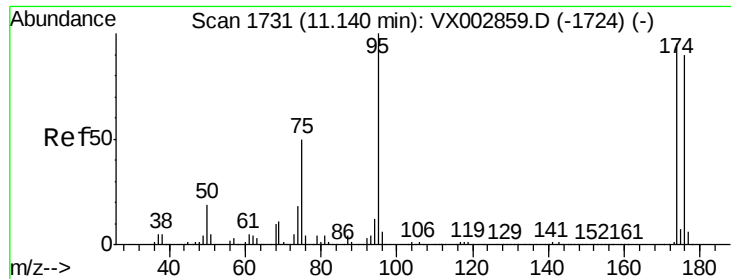
Tot Ion:113 Resp: 147522
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 25.1 19.1 28.7



#50
 Toluene-d8
 Concen: 48.31 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003185.D
 Acq: 05 Jul 2018 21:00

Tgt Ion: 98 Resp: 538875
 Ion Ratio Lower Upper
 98 100
 100 64.2 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 44.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003185.D

Acq: 05 Jul 2018 21:00

Instrument :

MSVOA_X

ClientSampled :

HC-SOIL-2

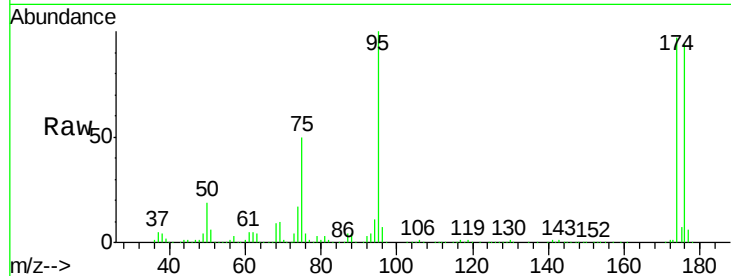
Tot Ion: 95 Resp: 190399

Ion Ratio Lower Upper

95 100

174 99.0 0.0 187.4

176 96.1 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

11.14

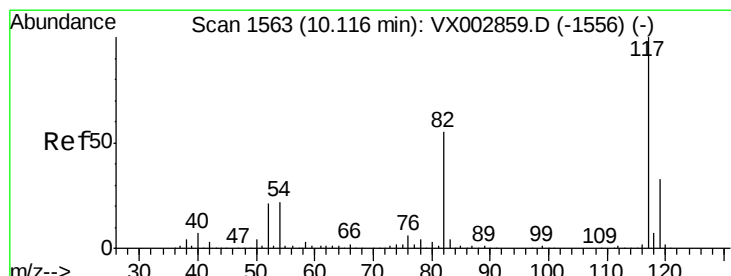
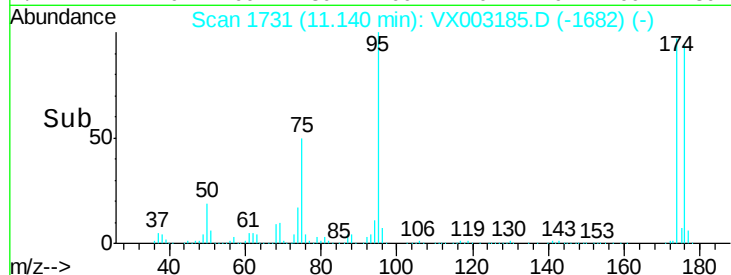
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003185.D

Acq: 05 Jul 2018 21:00

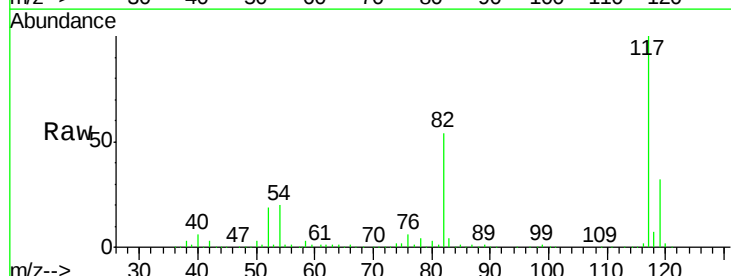
Tgt Ion: 117 Resp: 358263

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

10.12

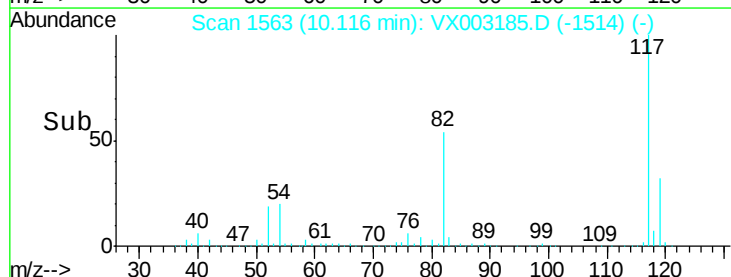
300000

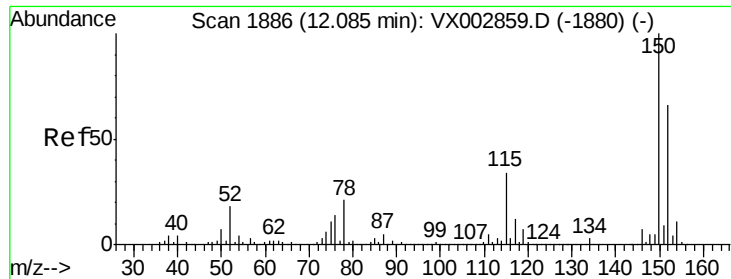
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003185.D

Acq: 05 Jul 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

HC-SOIL-2

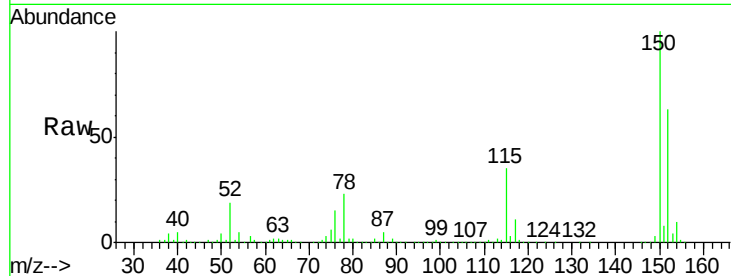
Tot Ion:152 Resp: 206689

Ion Ratio Lower Upper

152 100

115 53.5 40.1 120.2

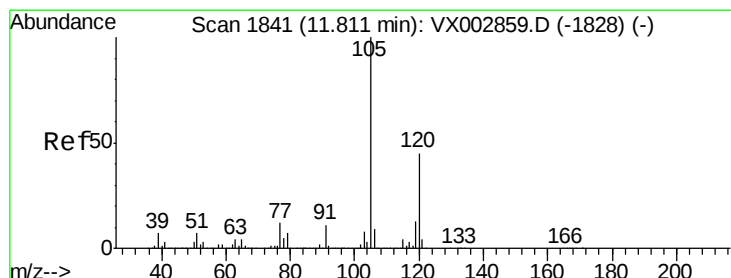
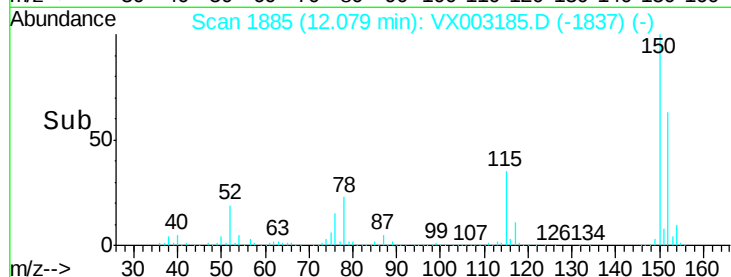
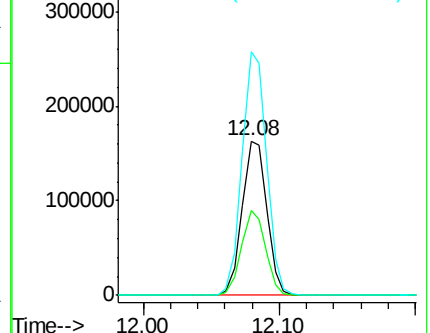
150 156.3 0.0 347.2



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



#84

1,2,4-Trimethylbenzene

Concen: 1.42 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003185.D

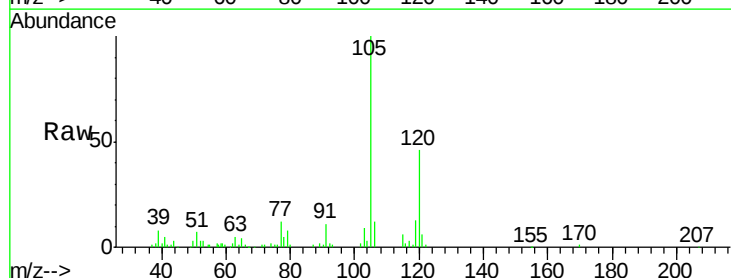
Acq: 05 Jul 2018 21:00

Tgt Ion:105 Resp: 17260

Ion Ratio Lower Upper

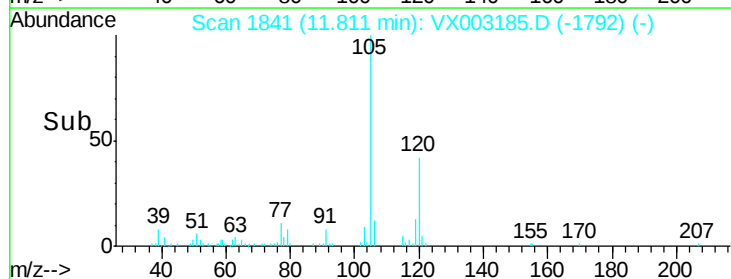
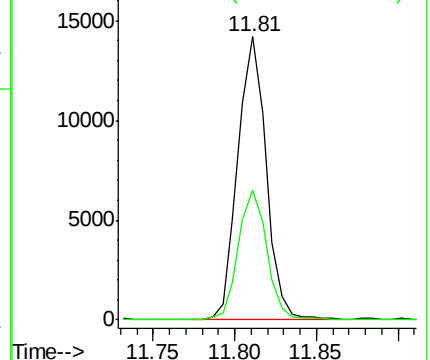
105 100

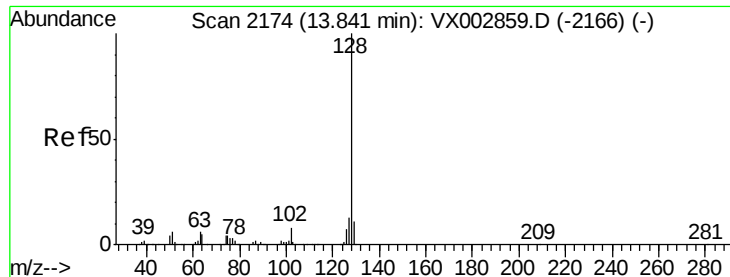
120 45.9 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

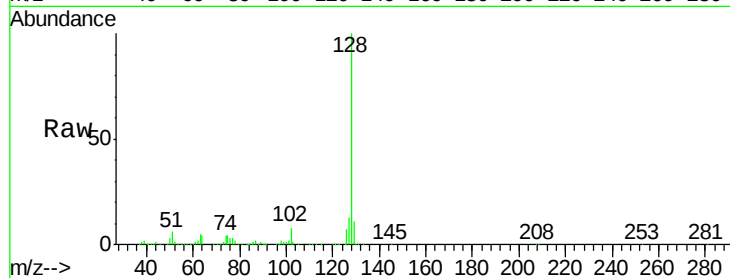




#95
Naphthalene
Concen: 7.28 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003185.D
Acq: 05 Jul 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
HC-SOIL-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0



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

