

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003906.D
 Acq On : 08 Aug 2018 04:04
 Operator : JC/MD
 Sample : J4360-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 155-SOIL

Quant Time: Aug 08 05:08:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	465535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	452530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238347	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	204148	52.17	ug/l	0.00
Spiked Amount						
			Recovery	=	104.34%	
35) Dibromofluoromethane	5.51	113	171421	48.61	ug/l	0.00
Spiked Amount						
			Recovery	=	97.22%	
50) Toluene-d8	8.72	98	665783	48.54	ug/l	0.00
Spiked Amount						
			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.14	95	234536	52.85	ug/l	0.00
Spiked Amount						
			Recovery	=	105.70%	

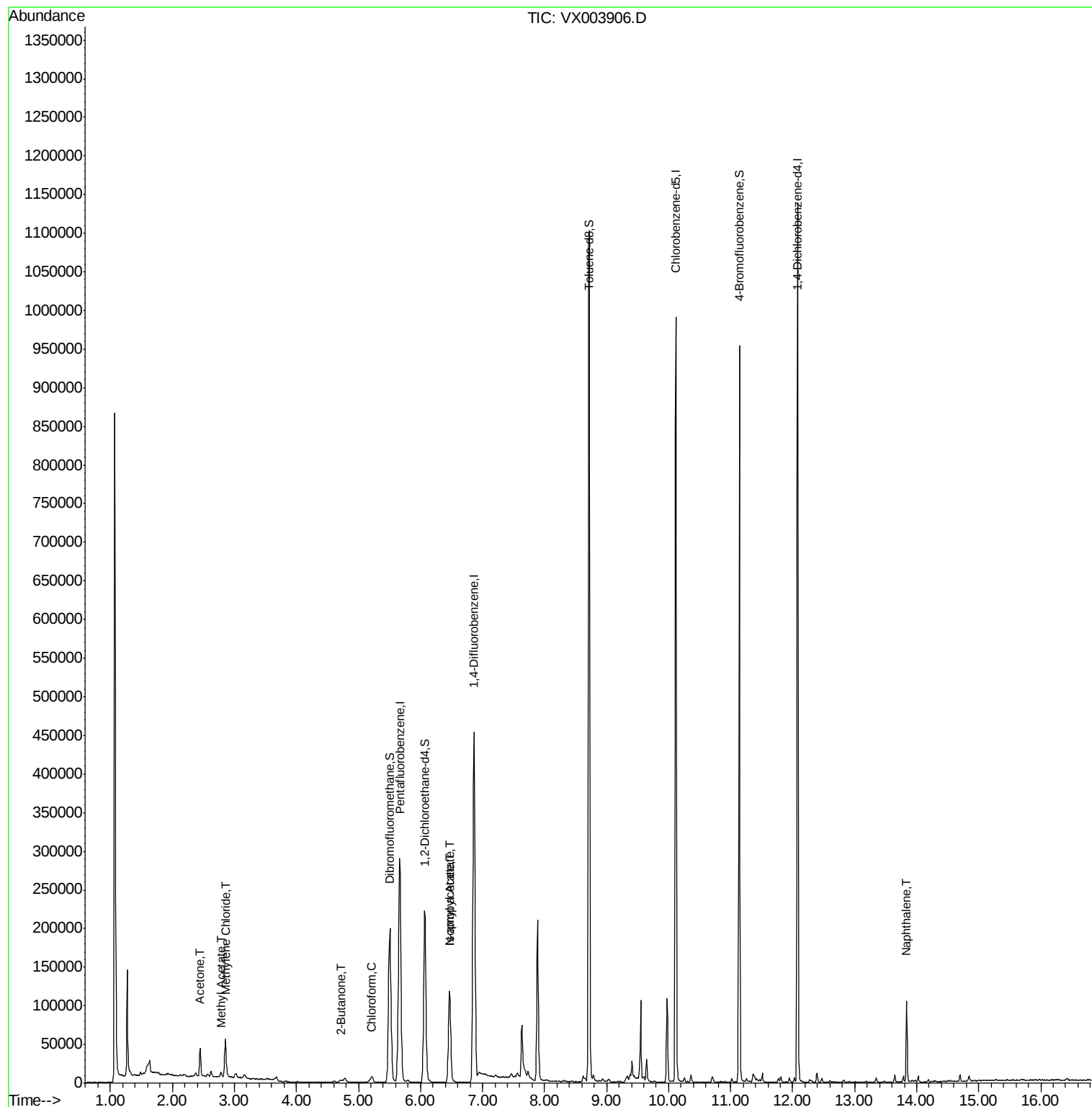
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	38342	16.47	ug/l	100
18) Methyl Acetate	2.78	43	6865	1.35	ug/l	98
20) Methylene Chloride	2.85	84	23204	4.67	ug/l	99
25) 2-Butanone	4.71	43	5611	1.60	ug/l	96
30) Chloroform	5.21	83	8831	1.41	ug/l	95
43) Isopropyl Acetate	6.47	43	154285	17.88	ug/l	99
74) N-amyl acetate	6.47	43	154285	16.83	ug/l #	100
95) Naphthalene	13.83	128	66875	3.77	ug/l	99

(#) = 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: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

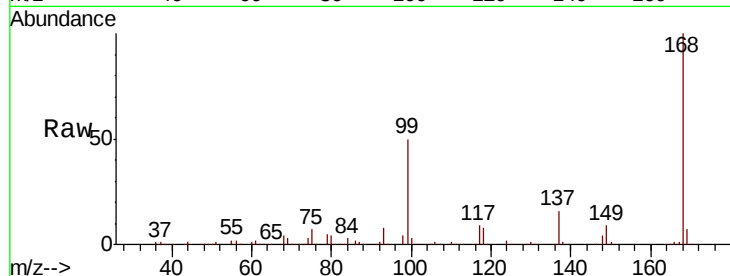
155-SOIL

Tot Ion:168 Resp: 295214

Ion Ratio Lower Upper

168 100

99 50.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

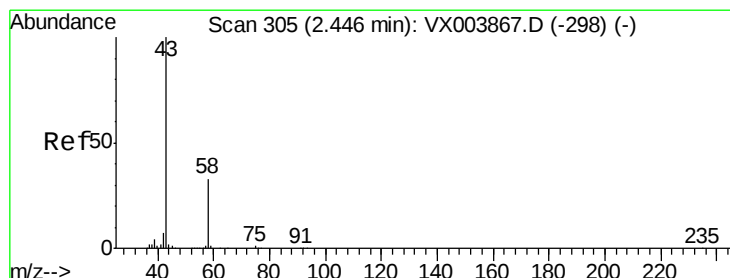
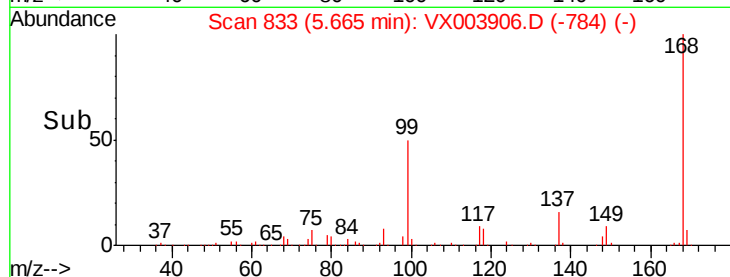
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 16.47 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003906.D

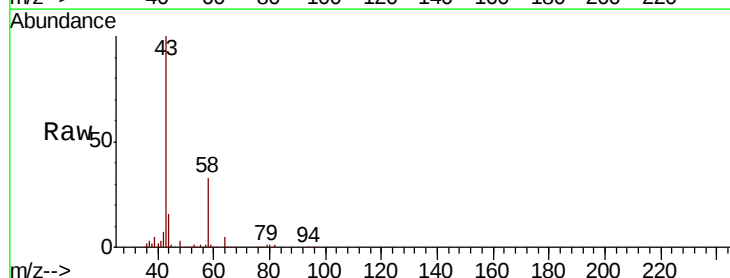
Acq: 08 Aug 2018 04:04

Tgt Ion: 43 Resp: 38342

Ion Ratio Lower Upper

43 100

58 33.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

25000

20000

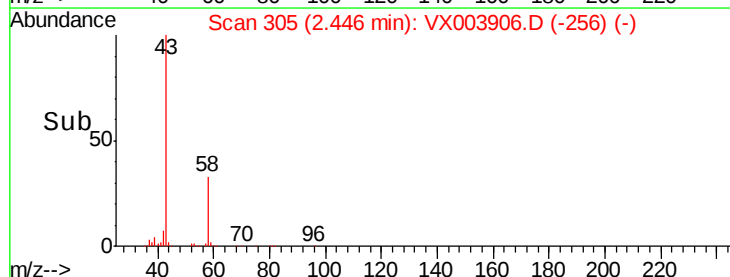
15000

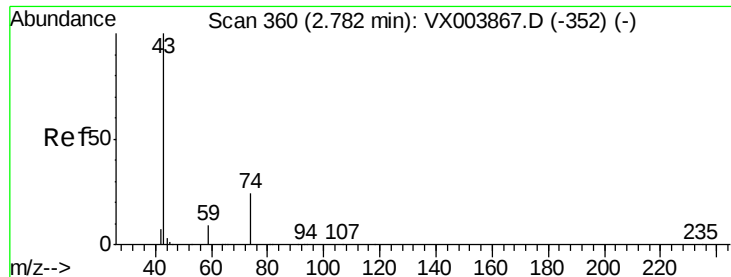
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55

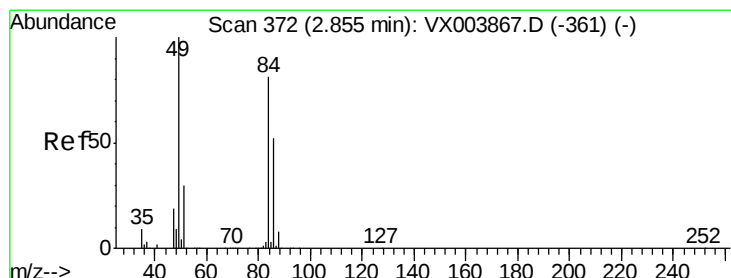
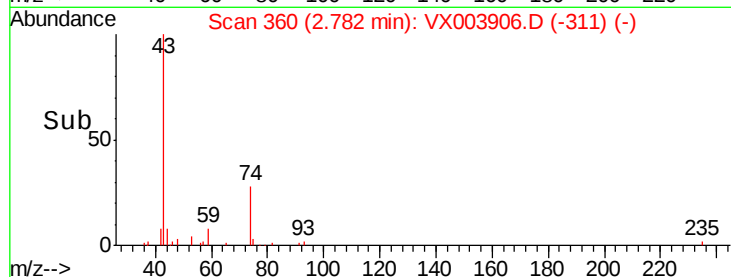
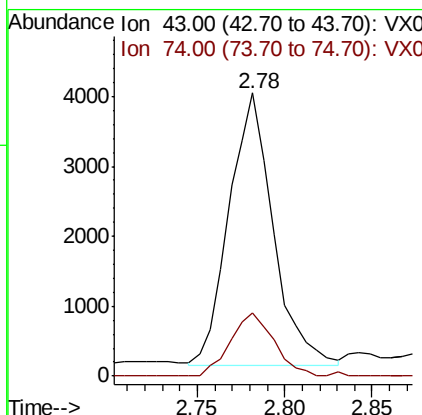
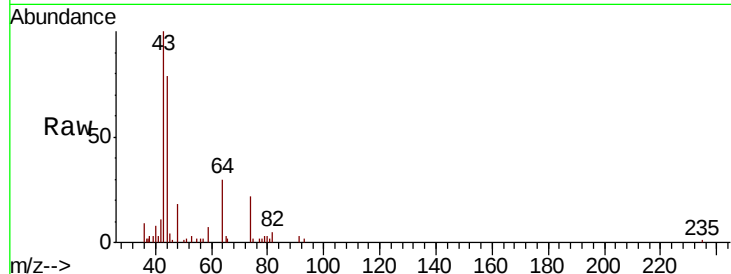




#18
Methvl Acetate
Concen: 1.35 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

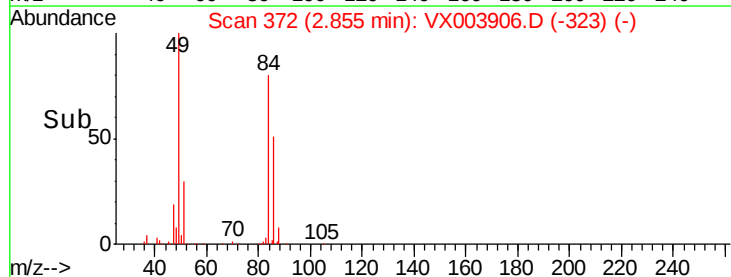
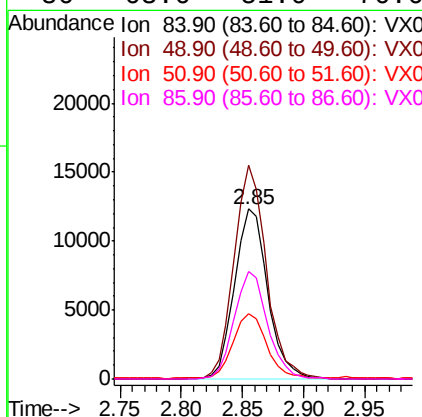
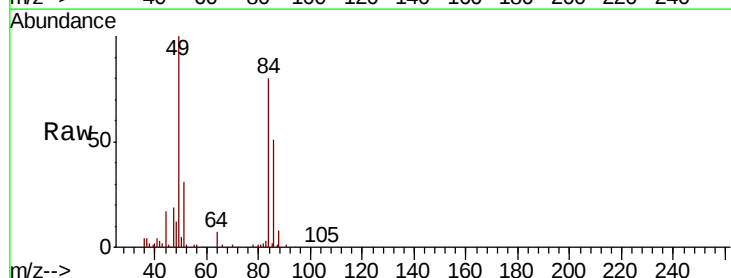
Instrument :
MSVOA_X
ClientSampleId :
155-SOIL

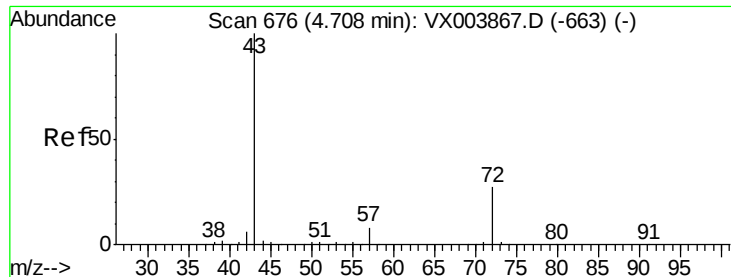
Tot Ion: 43 Resp: 6865
Ion Ratio Lower Upper
43 100
74 22.9 18.9 28.3



#20
Methylene Chloride
Concen: 4.67 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

Tgt Ion: 84 Resp: 23204
Ion Ratio Lower Upper
84 100
49 125.6 98.9 148.3
51 37.9 29.9 44.9
86 63.6 51.0 76.6





#25

2-Butanone

Concen: 1.60 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

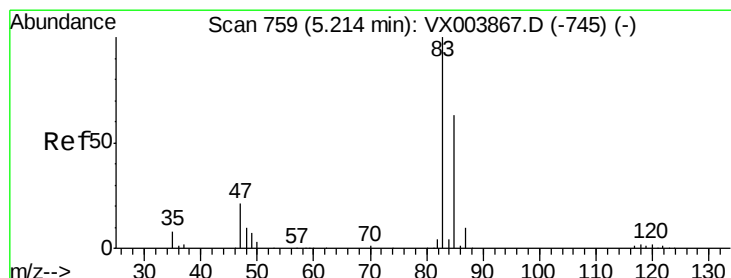
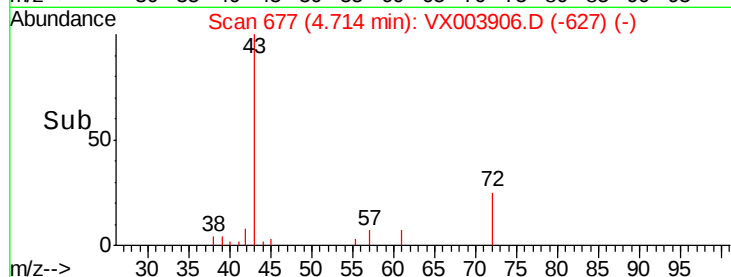
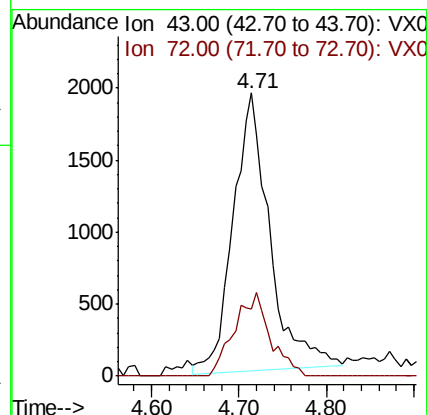
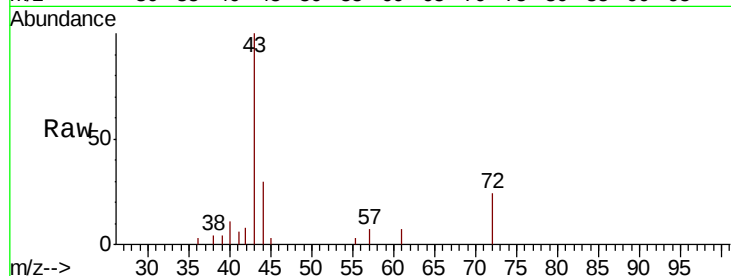
155-SOIL

Tot Ion: 43 Resp: 5611

Ion Ratio Lower Upper

43 100

72 24.5 21.4 32.0



#30

Chloroform

Concen: 1.41 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX003906.D

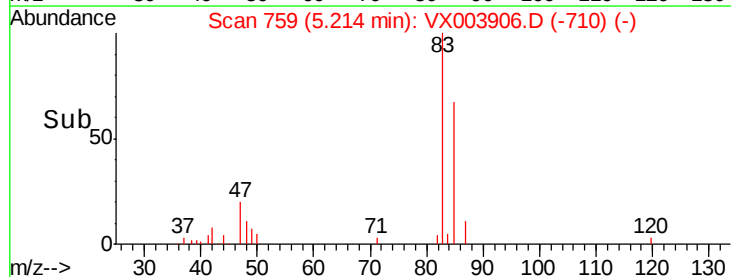
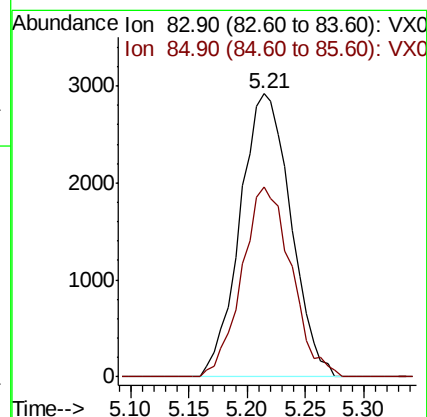
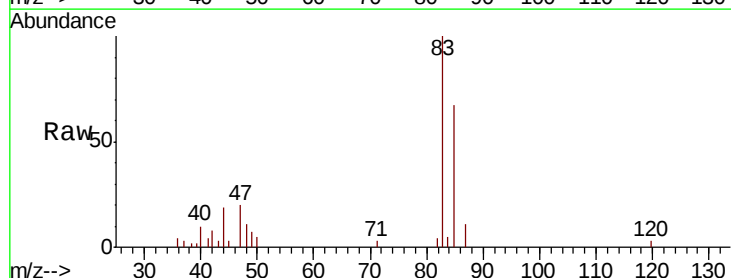
Acq: 08 Aug 2018 04:04

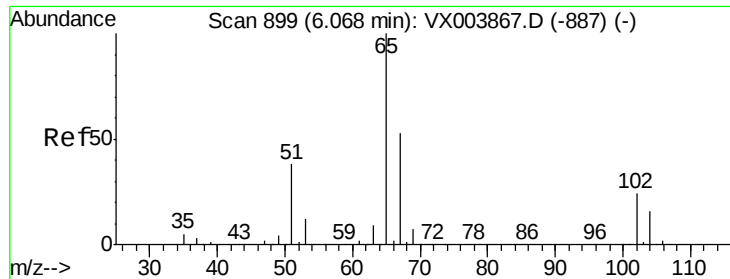
Tgt Ion: 83 Resp: 8831

Ion Ratio Lower Upper

83 100

85 67.2 50.7 76.1

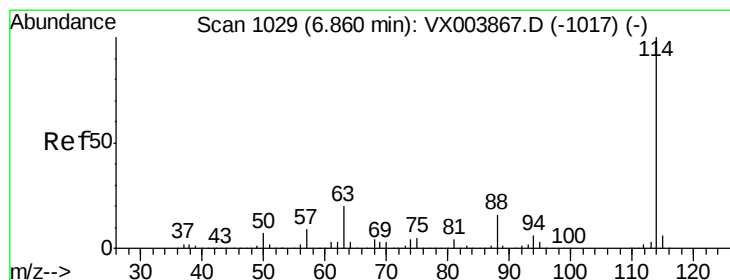
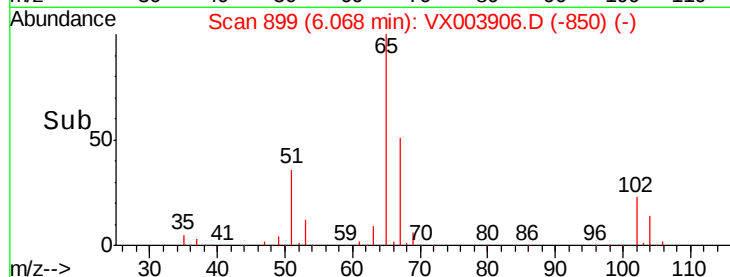
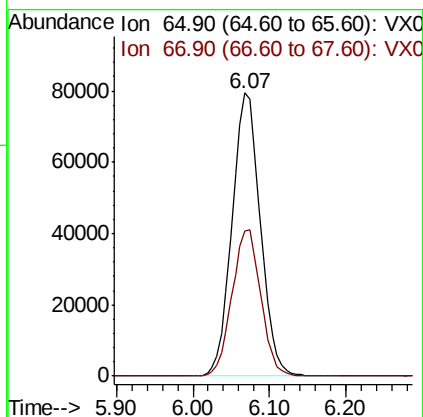
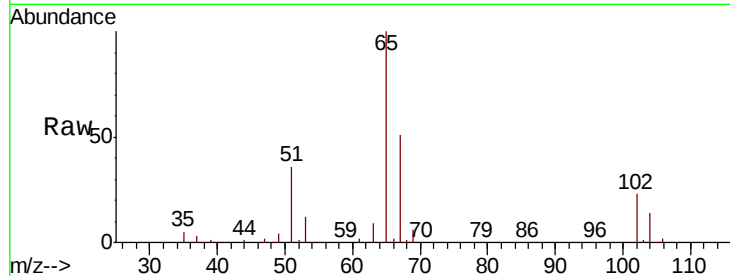




#33
 1,2-Dichloroethane-d4
 Concen: 52.17 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

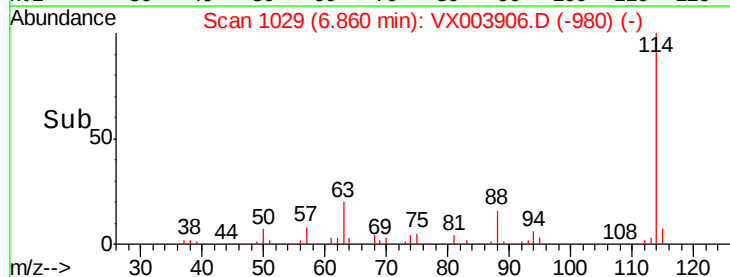
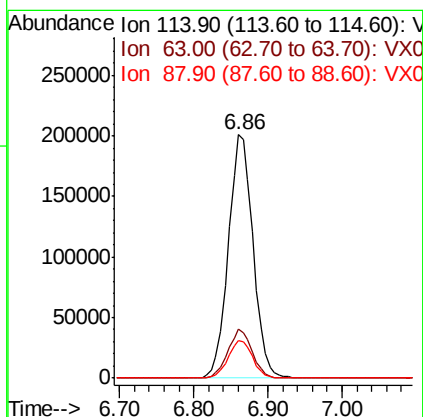
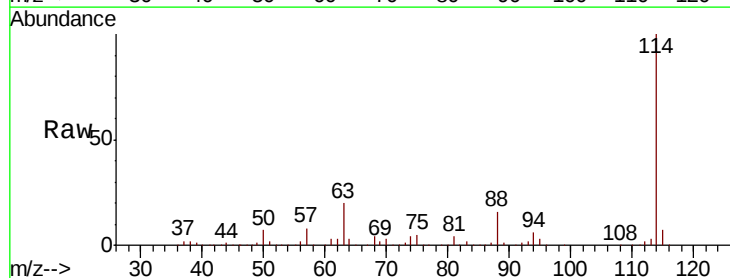
Instrument :
 MSVOA_X
 ClientSampleId :
 155-SOIL

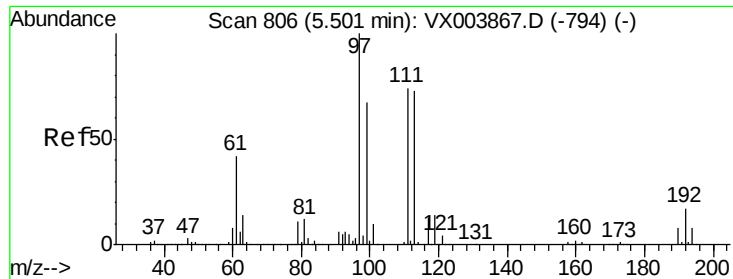
Tot Ion: 65 Resp: 204148
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

Tgt Ion: 114 Resp: 465535
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.61 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

155-SOIL

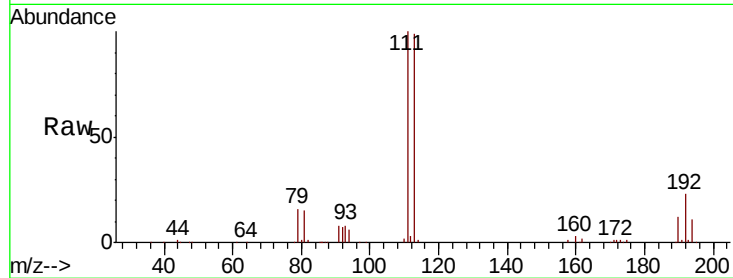
Tot Ion:113 Resp: 171421

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

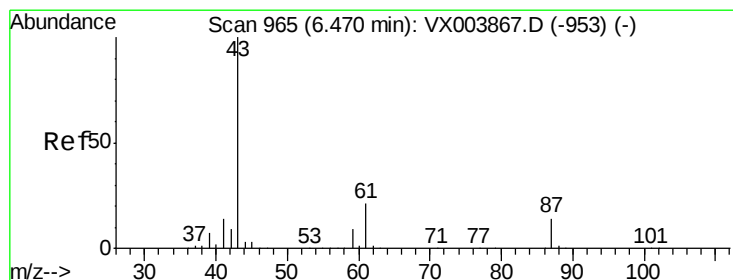
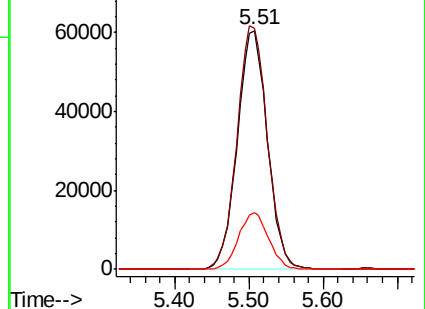
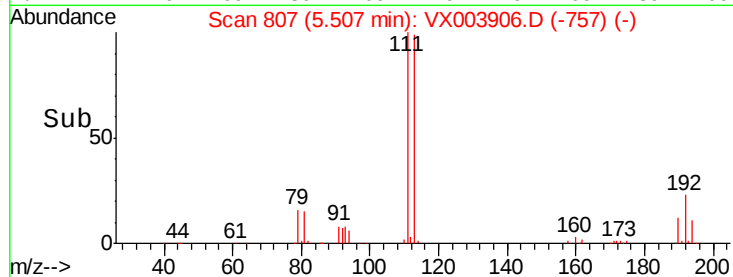
192 23.7 19.0 28.4



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: 17.88 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

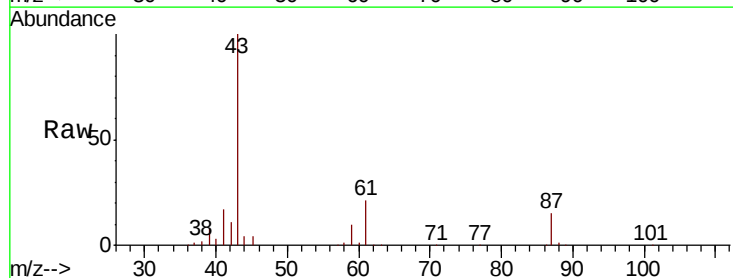
Tgt Ion: 43 Resp: 154285

Ion Ratio Lower Upper

43 100

61 21.0 16.9 25.3

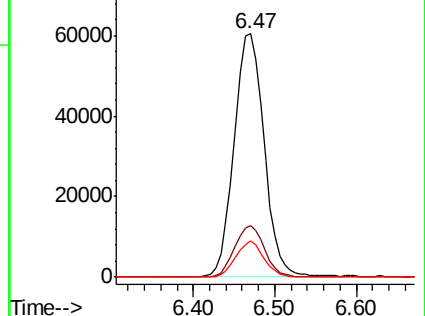
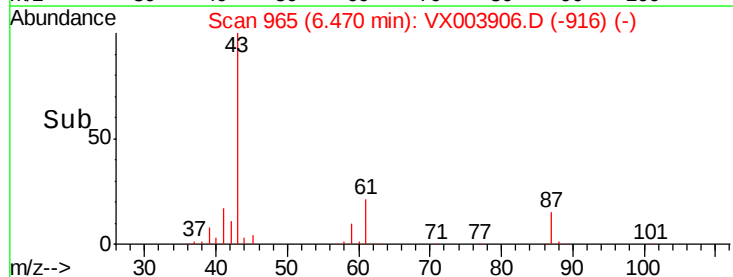
87 13.7 11.3 16.9

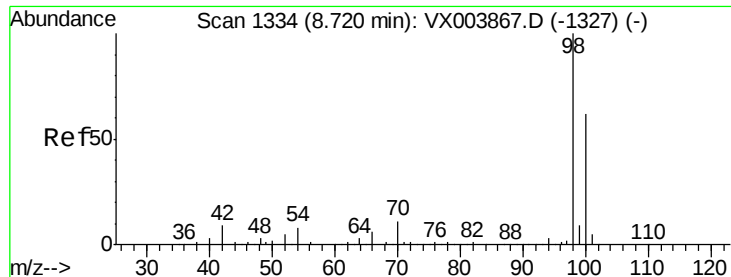


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 48.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

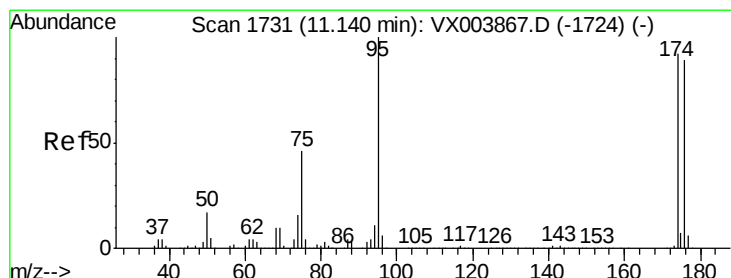
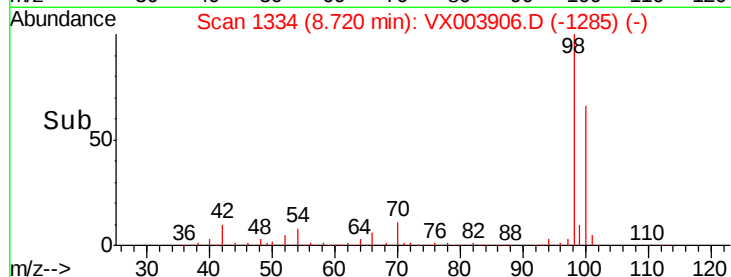
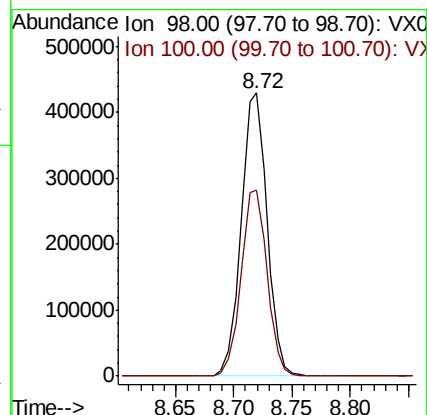
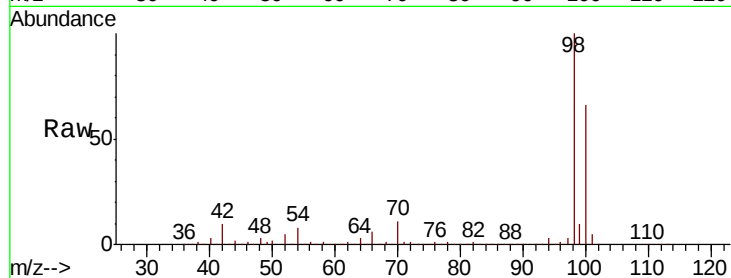
155-SOIL

Tot Ion: 98 Resp: 665783

Ion Ratio Lower Upper

98 100

100 66.3 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 52.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

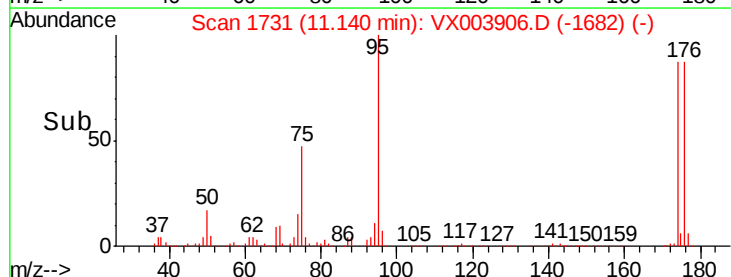
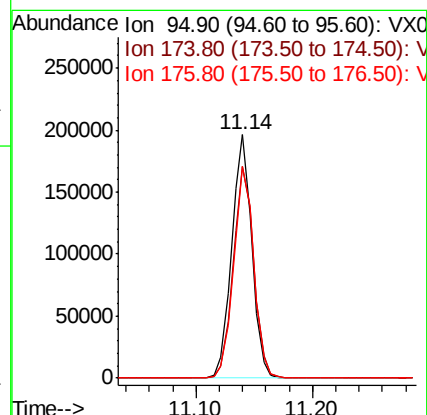
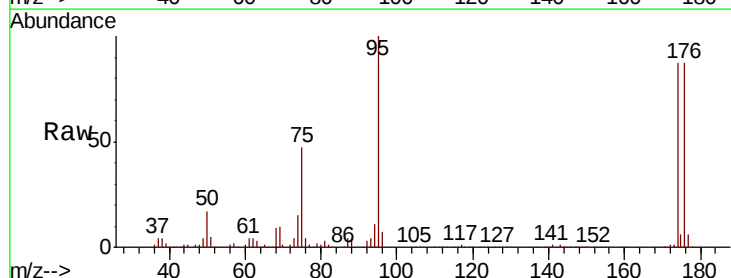
Tgt Ion: 95 Resp: 234536

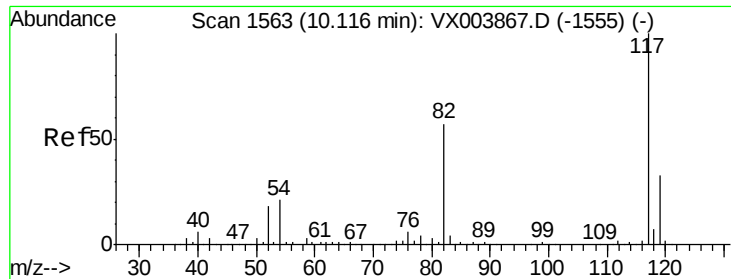
Ion Ratio Lower Upper

95 100

174 89.1 0.0 182.8

176 87.4 0.0 179.0

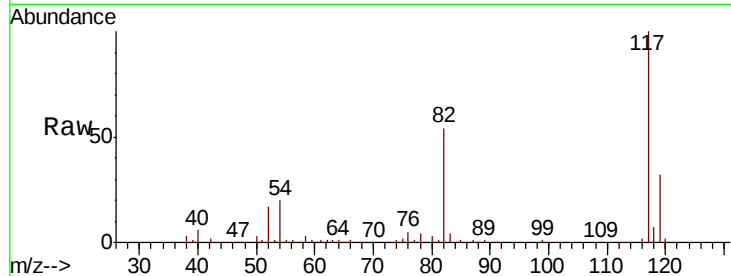




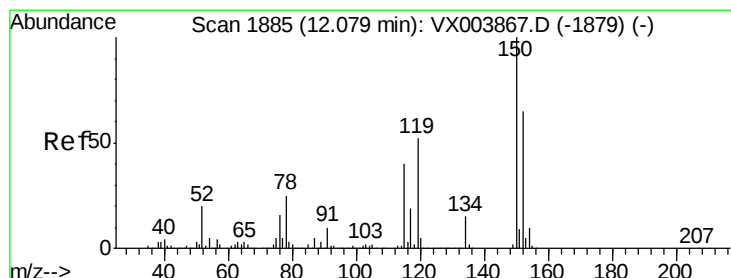
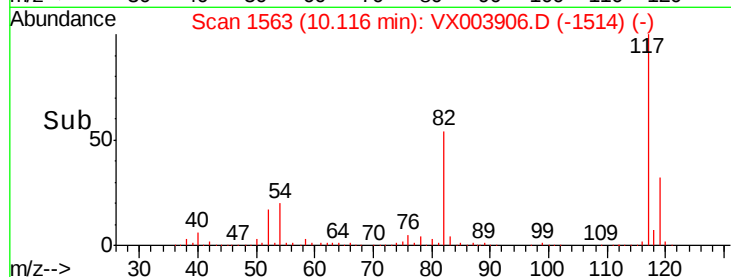
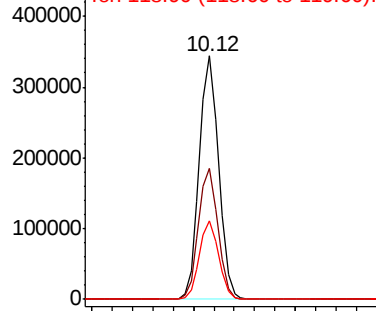
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

Instrument :
MSVOA_X
ClientSampled :
155-SOIL

Tot Ion:117 Resp: 452530
Ion Ratio Lower Upper
117 100
82 53.6 45.4 68.0
119 32.3 26.6 40.0

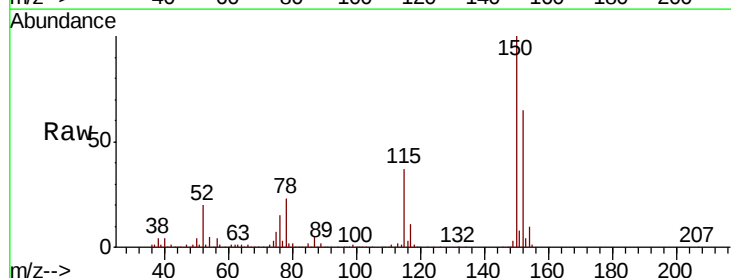


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

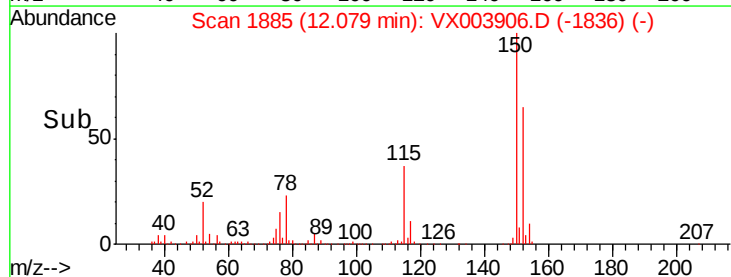
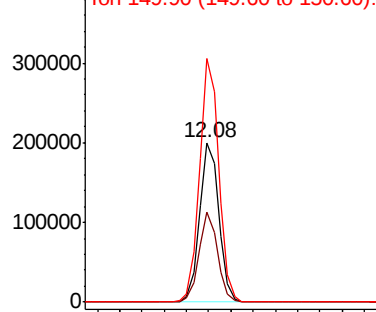


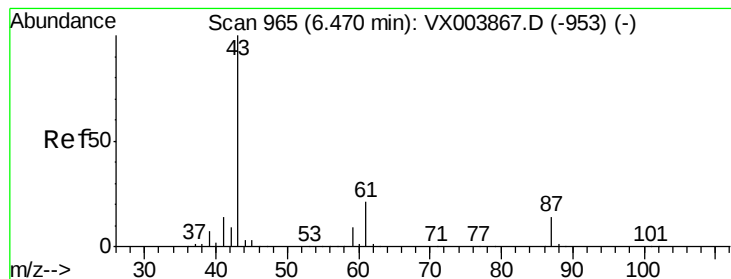
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

Tgt Ion:152 Resp: 238347
Ion Ratio Lower Upper
152 100
115 54.5 39.1 117.3
150 152.6 0.0 349.2



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





#74

N-amvl acetate

Concen: 16.83 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

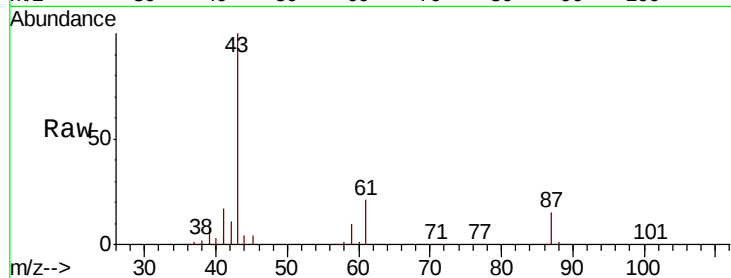
ClientSampleId :

155-SOIL

Tot Ion: 43 Resp: 154285

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.0	0.1	0.1#
61	21.0	16.9	25.3

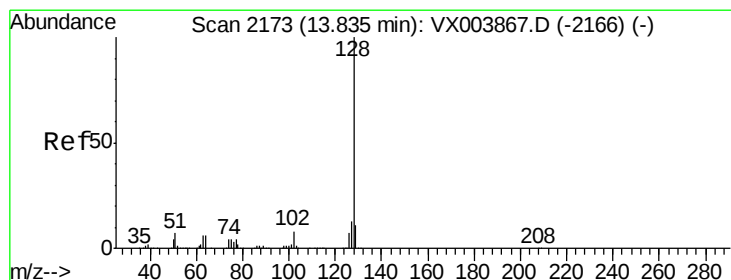
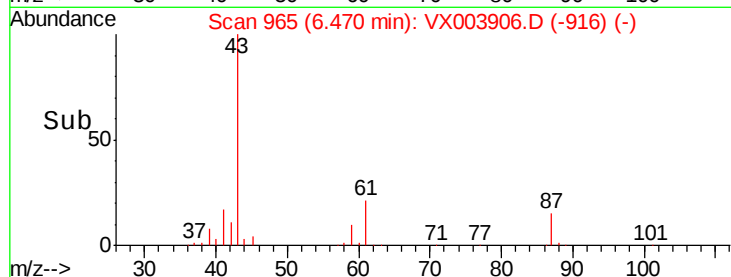
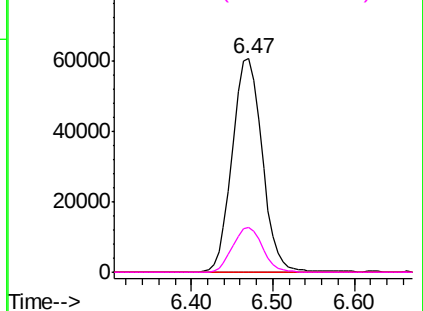


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#95

Naphthalene

Concen: 3.77 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

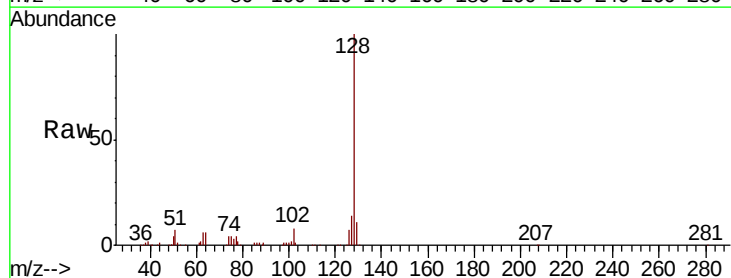
Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Tgt Ion: 128 Resp: 66875

Ion Ratio Lower Upper

128	100		
127	12.9	10.2	15.2
129	10.3	8.8	13.2



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

