

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 04:54:19 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				50.000		
			Recovery	=	104.34%	
35) Dibromofluoromethane	5.51	113	171421	48.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.22%	
50) Toluene-d8	8.72	98	665783	48.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.14	95	234536	52.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	724	0.24	ug/l	90
3) Chloromethane	1.32	50	922	0.23	ug/l #	83
5) Bromomethane	1.64	94	1433	Below Cal		93
6) Chloroethane	1.59	64	9399	3.62	ug/l #	56
8) Diethyl Ether	2.19	74	609	0.25	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	933	0.28	ug/l	98
10) Methyl Iodide	2.52	142	1497	0.36	ug/l #	91
11) Tert butyl alcohol	3.07	59	971	1.03	ug/l #	91
12) 1,1-Dichloroethene	2.37	96	682	0.22	ug/l #	61
13) Acrolein	2.30	56	274	Below Cal	#	1
15) Acrylonitrile	3.15	53	1284	0.57	ug/l #	71
16) Acetone	2.45	43	38342	16.47	ug/l	100
17) Carbon Disulfide	2.57	76	4606	0.95	ug/l #	91
18) Methyl Acetate	2.78	43	6865	1.35	ug/l	98
20) Methylene Chloride	2.85	84	23204	4.67	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	1083	0.30	ug/l #	78
25) 2-Butanone	4.71	43	5611	1.60	ug/l	96
29) Tetrahydrofuran	5.17	42	1900	1.06	ug/l #	57
30) Chloroform	5.21	83	8831	1.41	ug/l	95
36) 1,1-Dichloropropene	5.81	75	1255	0.24	ug/l #	91
37) Ethyl Acetate	4.71	43	5611	0.98	ug/l #	67
38) Carbon Tetrachloride	5.67	117	26468	5.33	ug/l #	14
39) Methylcyclohexane	7.46	83	1878	0.31	ug/l #	85
43) Isopropyl Acetate	6.47	43	154285	17.88	ug/l	99
44) Trichloroethene	7.21	130	941	0.22	ug/l	68
47) Bromodichloromethane	7.90	83	1796	0.36	ug/l #	94
48) Methyl methacrylate	7.69	41	8030	1.83	ug/l #	26
49) 1,4-Dioxane	7.78	88	30	0.29	ug/l #	24
51) 4-Methyl-2-Pentanone	8.65	43	2439	0.34	ug/l #	73
64) Tetrachloroethene	9.34	164	1138	0.26	ug/l	98
68) m/p-Xylenes	10.36	106	2340	0.31	ug/l	100
71) Bromoform	10.86	173	135	2.95	ug/l #	28
74) N-amyl acetate	6.47	43	154285	16.83	ug/l #	100
76) 1,2,3-Trichloropropane	11.14	75	113410	21.54	ug/l #	36

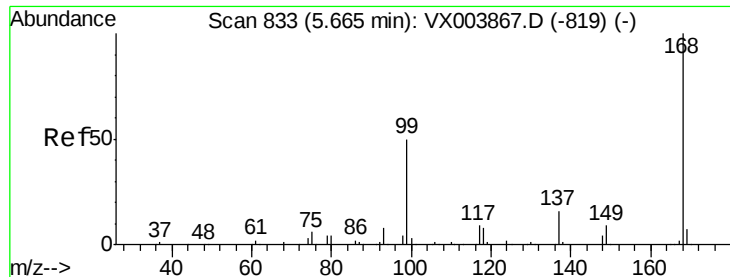
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003906.D
 Acq On : 08 Aug 2018 04:04
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Quant Time: Aug 08 04:54:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.36	91	4300	0.22	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	113410	58.22	ug/l #	9
82) 4-Chlorotoluene	11.51	91	3072	0.22	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	3087	0.21	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	2082	0.24	ug/l	95
88) 1,4-Dichlorobenzene	12.03	146	2082	Below Cal		96
89) n-Butylbenzene	12.39	91	3257	0.25	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	2177	0.35	ug/l	98
94) Hexachlorobutadiene	13.78	225	1222	0.87	ug/l	88
95) Naphthalene	13.83	128	66875	3.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1925	0.31	ug/l	95

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



#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 :

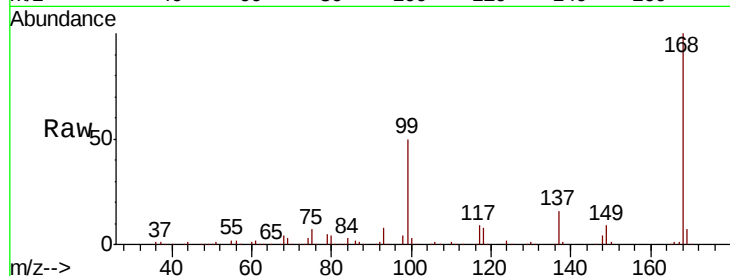
155-SOIL

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

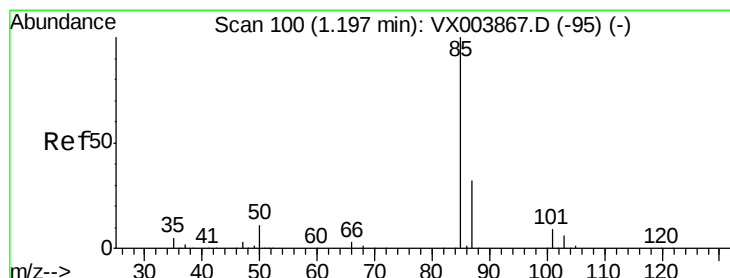
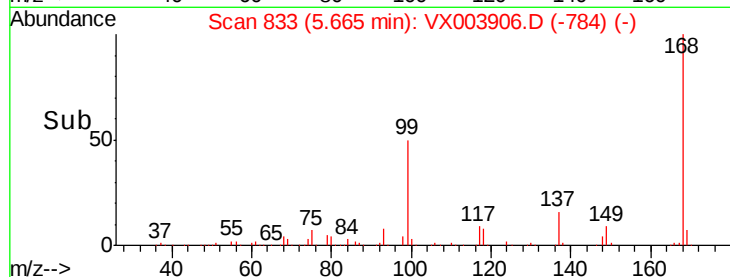
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.24 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003906.D

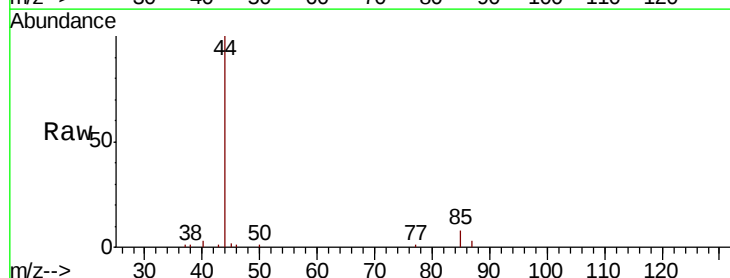
Acq: 08 Aug 2018 04:04

Tgt Ion: 85 Resp: 724

Ion Ratio Lower Upper

85 100

87 37.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

800

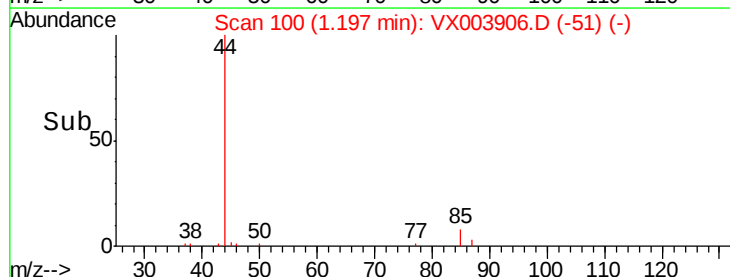
600

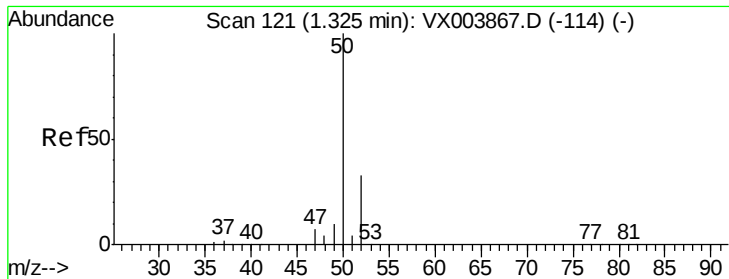
400

200

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

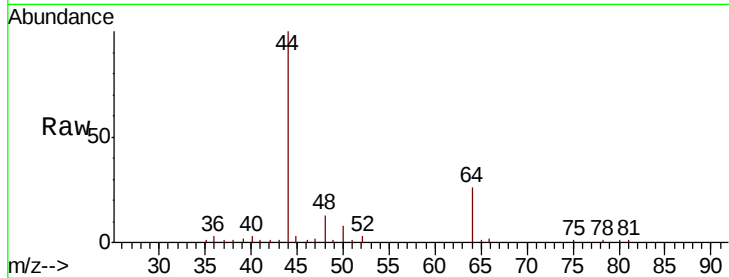
155-SOIL

Tot Ion: 50 Resp: 922

Ion Ratio Lower Upper

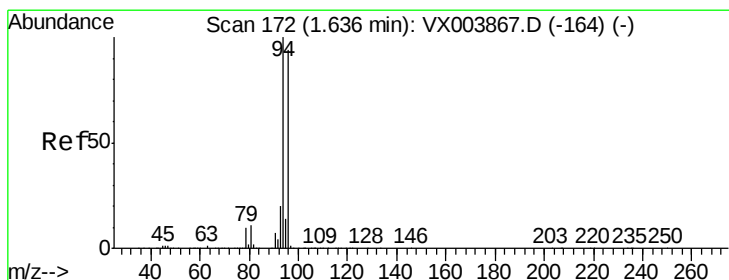
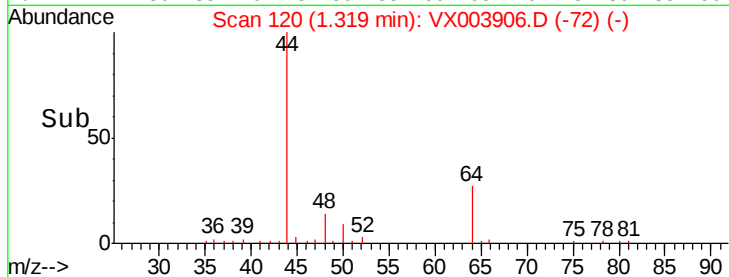
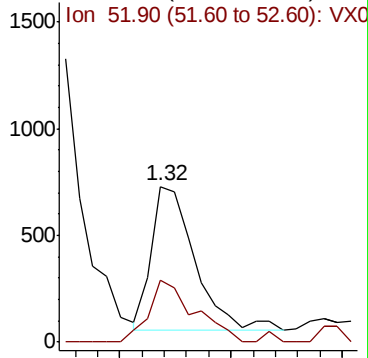
50 100

52 42.6 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003906.D

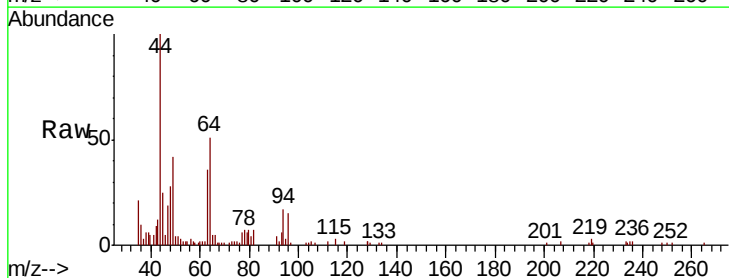
Acq: 08 Aug 2018 04:04

Tgt Ion: 94 Resp: 1433

Ion Ratio Lower Upper

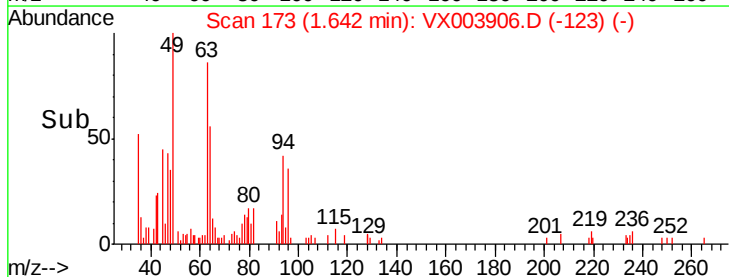
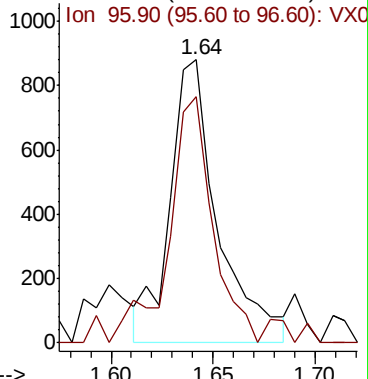
94 100

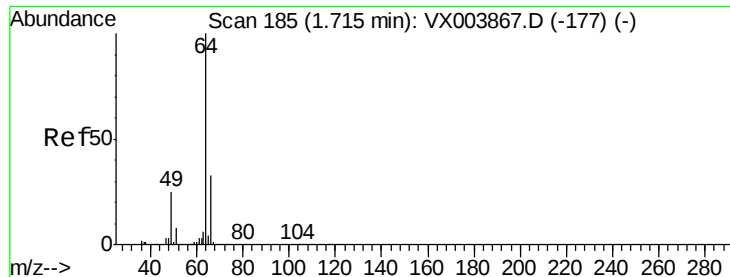
96 87.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 3.62 ug/l

RT: 1.59 min Scan# 164

Delta R.T. -0.13 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

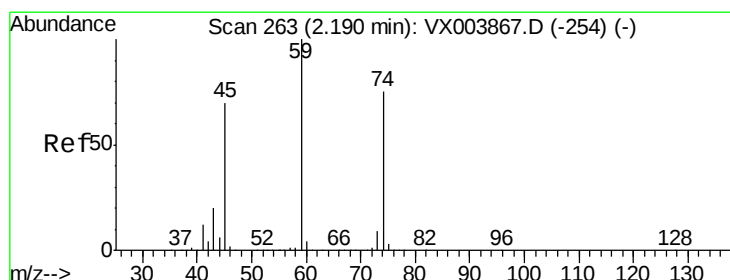
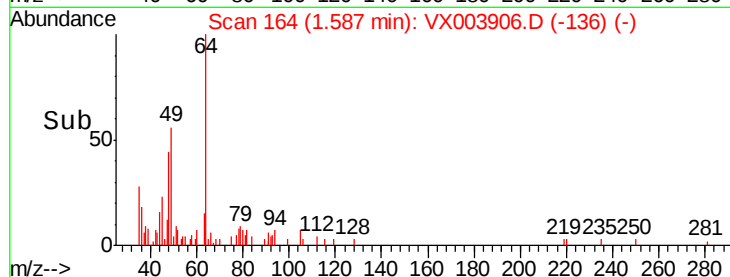
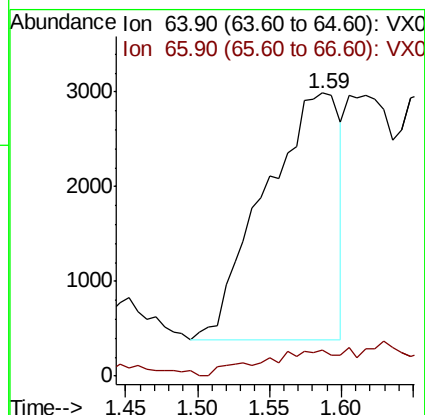
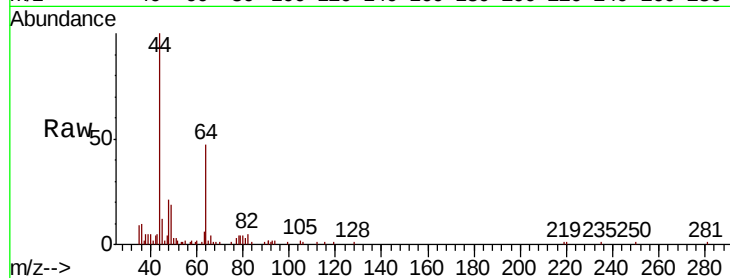
155-SOIL

Tot Ion: 64 Resp: 9399

Ion Ratio Lower Upper

64 100

66 8.2 26.5 39.7#



#8

Diethyl Ether

Concen: 0.25 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003906.D

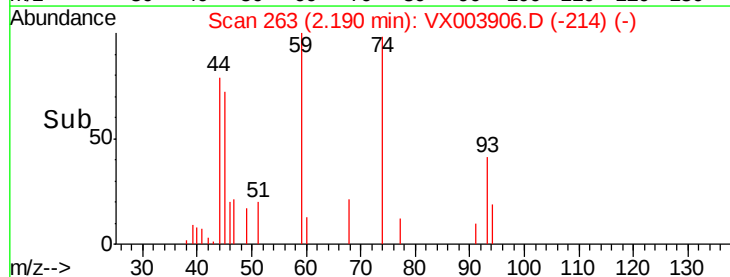
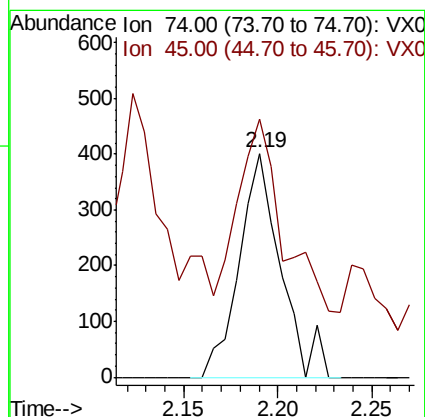
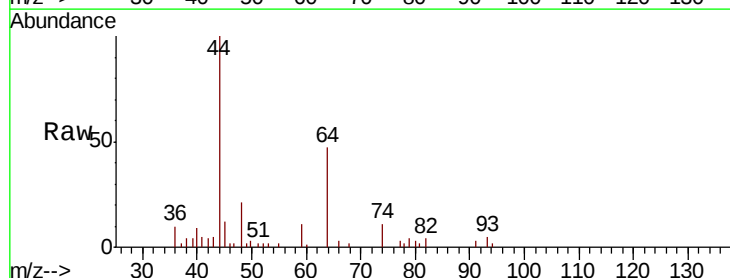
Acq: 08 Aug 2018 04:04

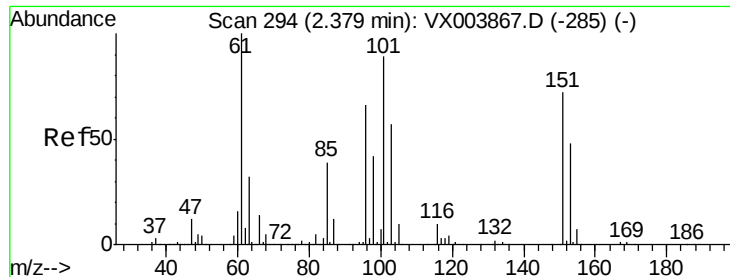
Tgt Ion: 74 Resp: 609

Ion Ratio Lower Upper

74 100

45 92.3 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.28 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

155-SOIL

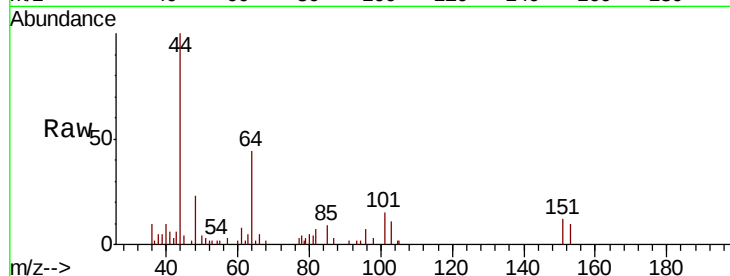
Tot Ion:101 Resp: 933

Ion Ratio Lower Upper

101 100

85 44.4 34.2 51.4

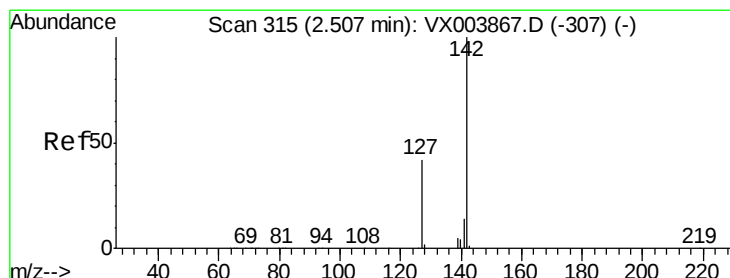
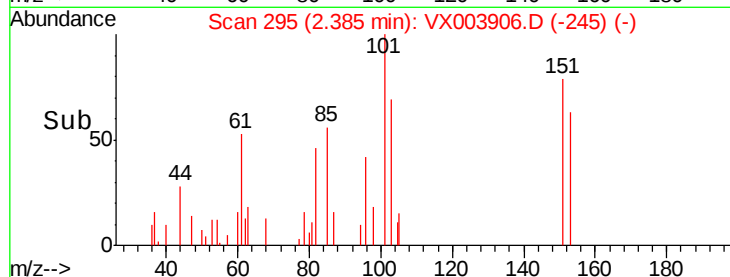
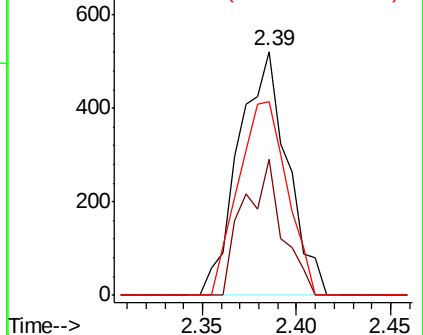
151 79.5 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.36 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

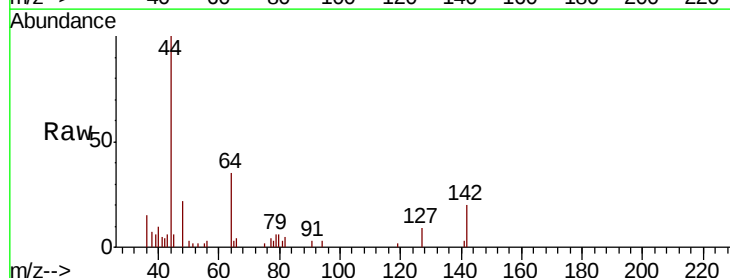
Tgt Ion:142 Resp: 1497

Ion Ratio Lower Upper

142 100

127 46.6 33.1 49.7

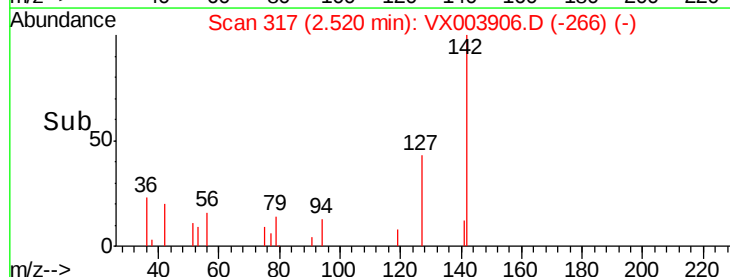
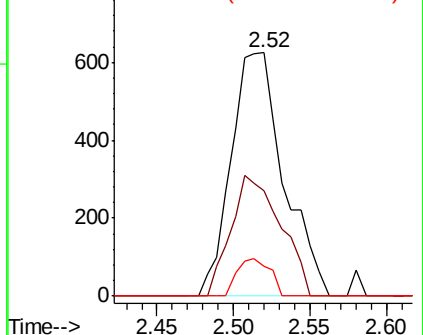
141 9.5 11.1 16.7#

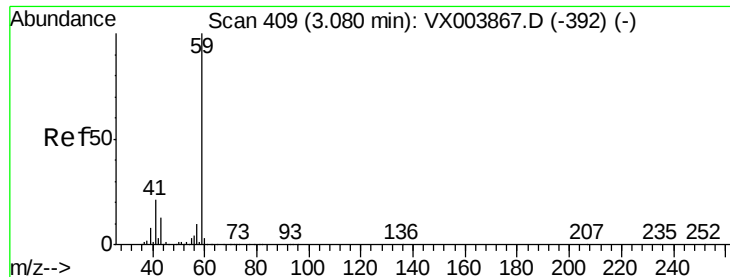


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



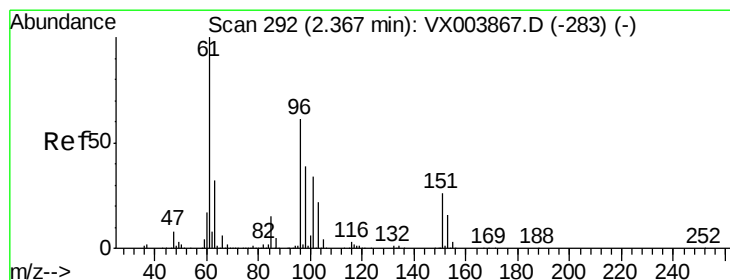
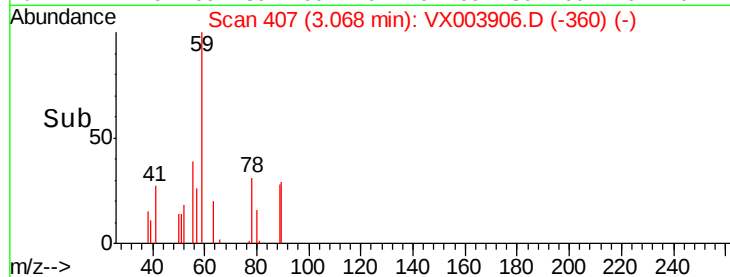
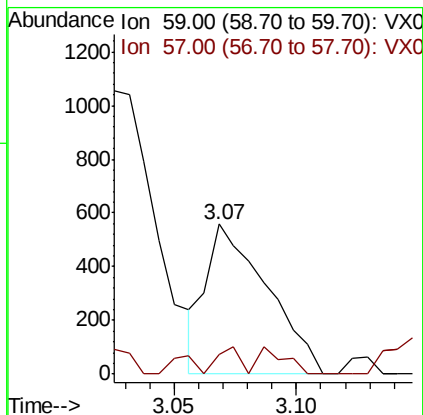
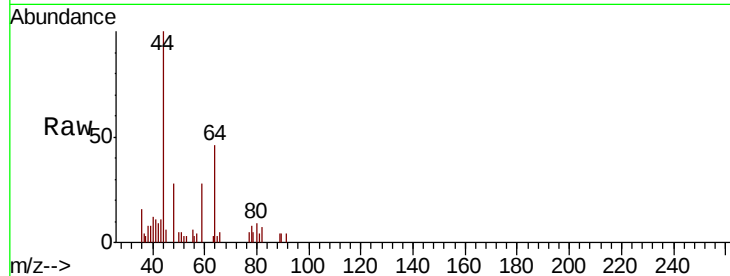


#11

Tert butyl alcohol
Concen: 1.03 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

Instrument :
MSVOA_X
ClientSampled :
155-SOIL

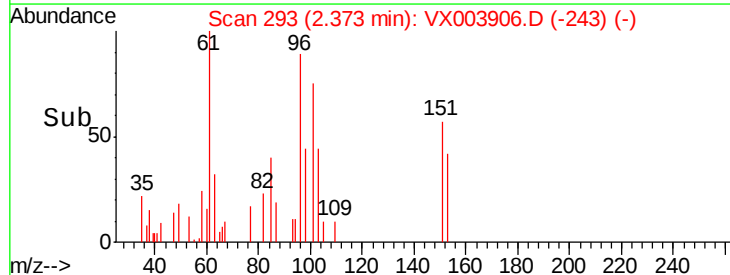
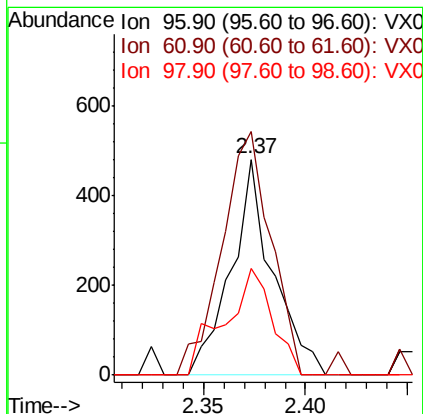
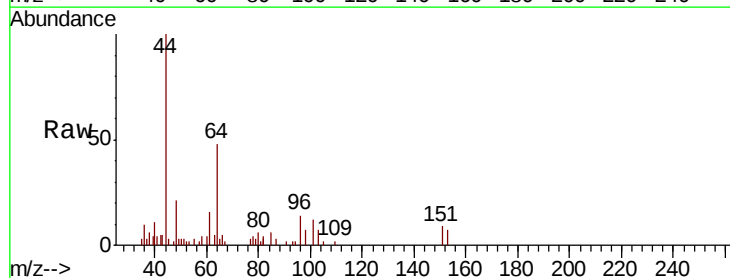
Tot Ion: 59 Resp: 971
Ion Ratio Lower Upper
59 100
57 6.6 8.1 12.1#

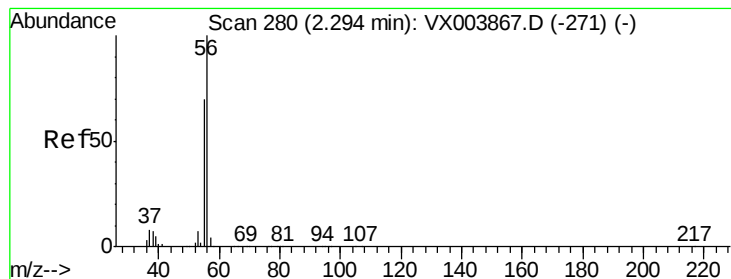


#12

1,1-Dichloroethene
Concen: 0.22 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

Tgt Ion: 96 Resp: 682
Ion Ratio Lower Upper
96 100
61 101.7 131.3 196.9#
98 49.3 51.8 77.6#





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

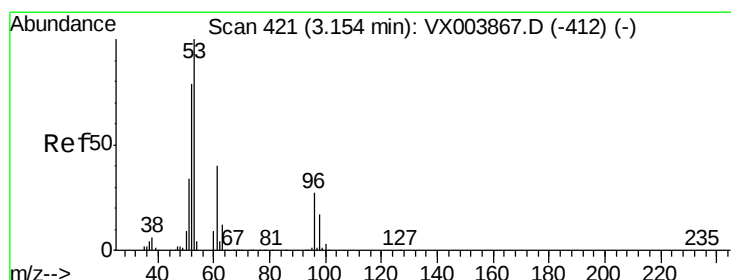
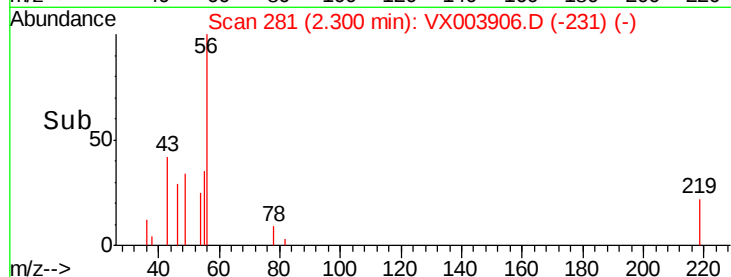
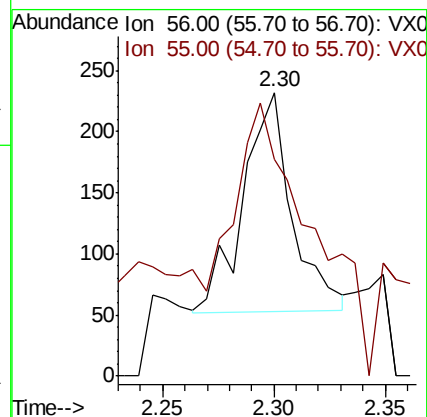
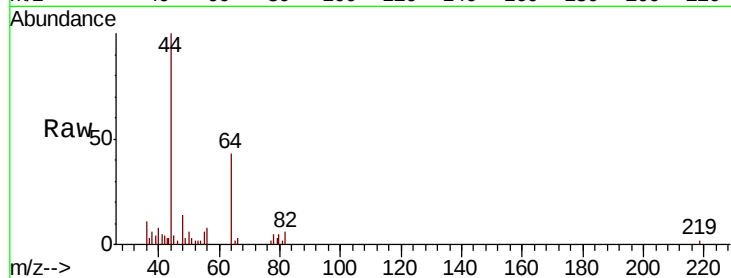
155-SOIL

Tot Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 203.3 56.1 84.1#



#15

Acrylonitrile

Concen: 0.57 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

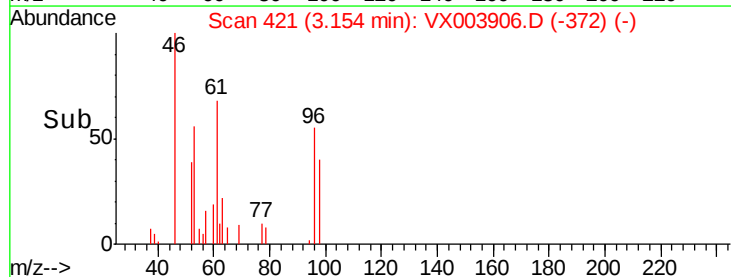
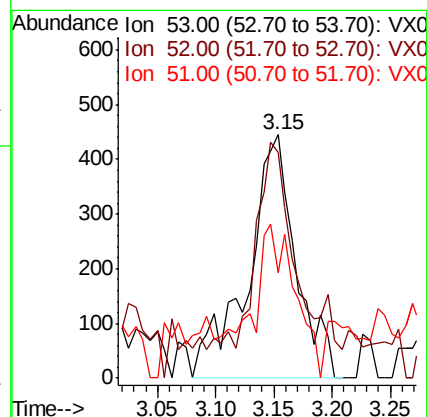
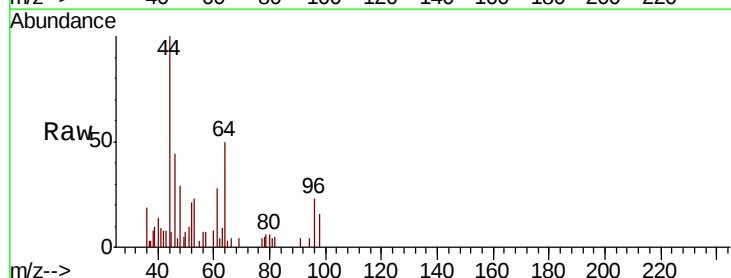
Tgt Ion: 53 Resp: 1284

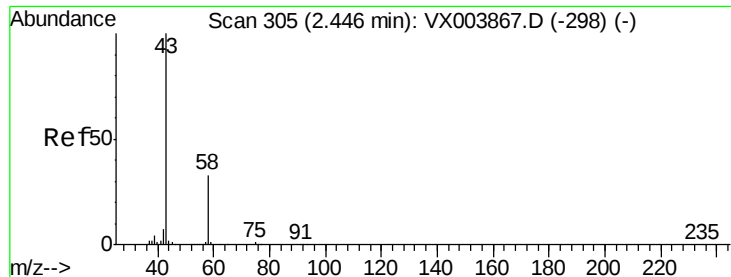
Ion Ratio Lower Upper

53 100

52 58.0 65.3 97.9#

51 56.2 27.9 41.9#





#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

Instrument :

MSVOA_X

ClientSampled :

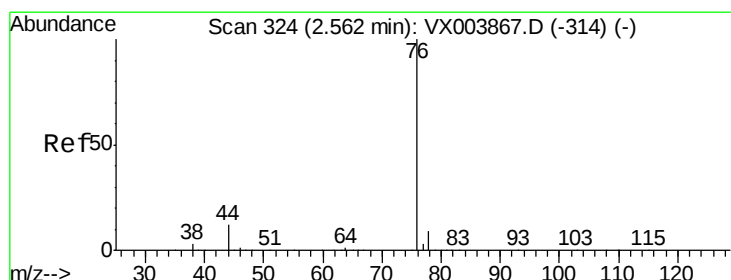
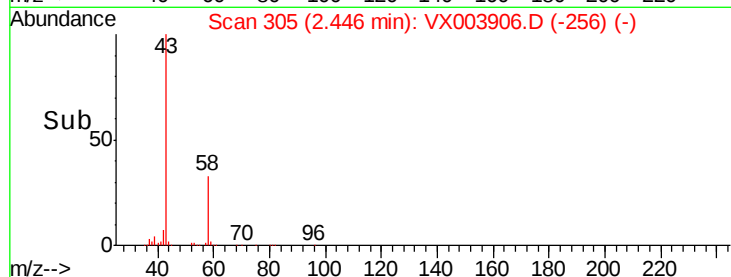
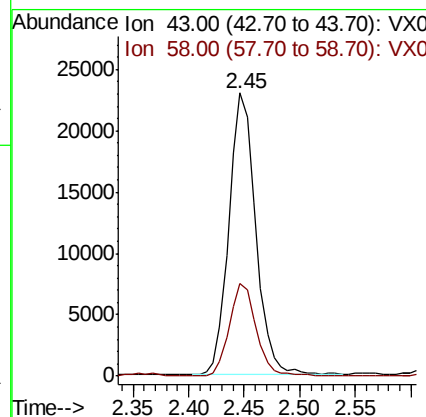
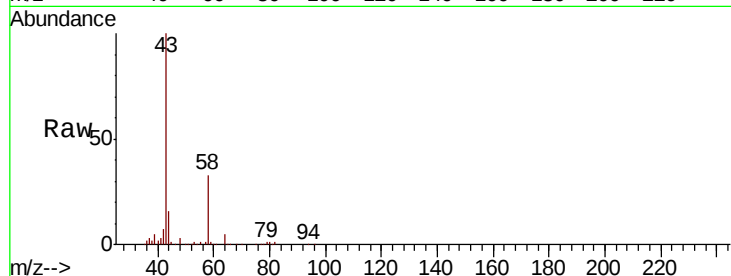
155-SOIL

Tot Ion: 43 Resp: 38342

Ion Ratio Lower Upper

43 100

58 33.0 26.4 39.6



#17

Carbon Disulfide

Concen: 0.95 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003906.D

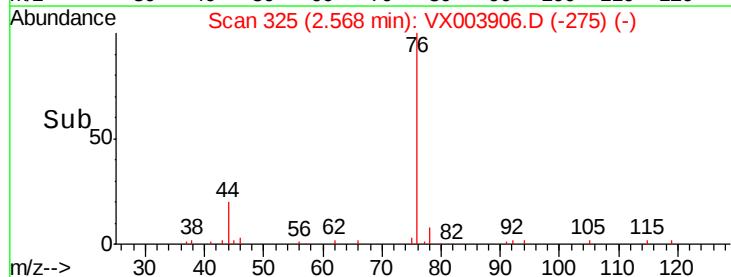
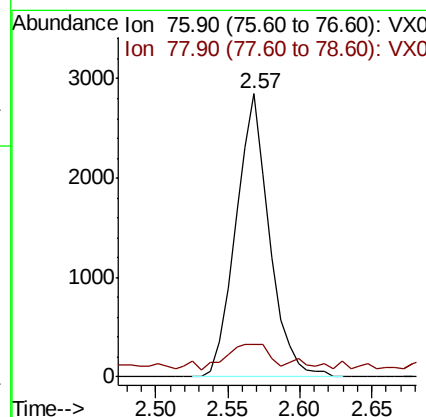
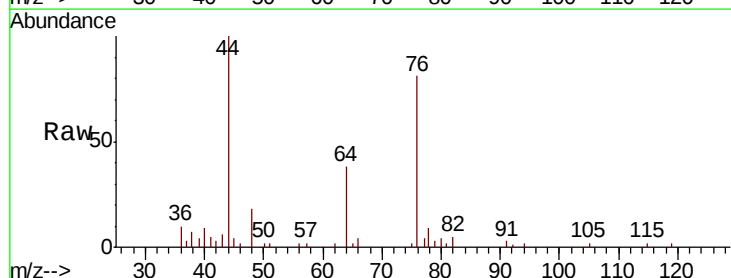
Acq: 08 Aug 2018 04:04

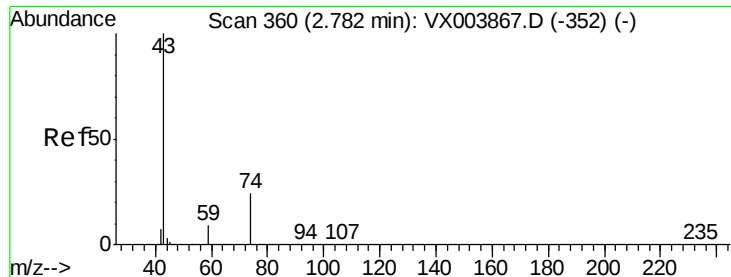
Tgt Ion: 76 Resp: 4606

Ion Ratio Lower Upper

76 100

78 6.2 7.5 11.3#

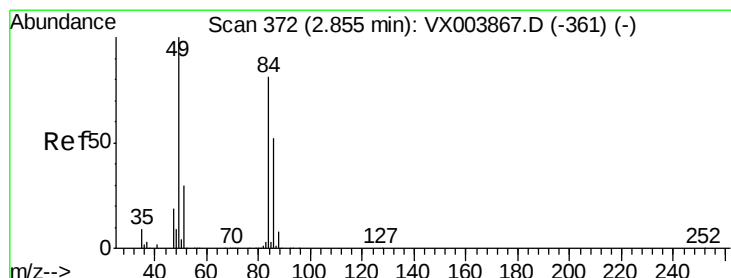
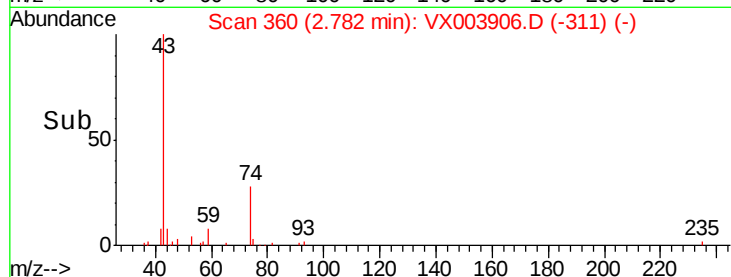
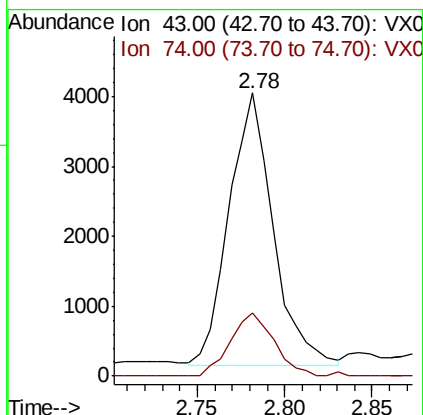
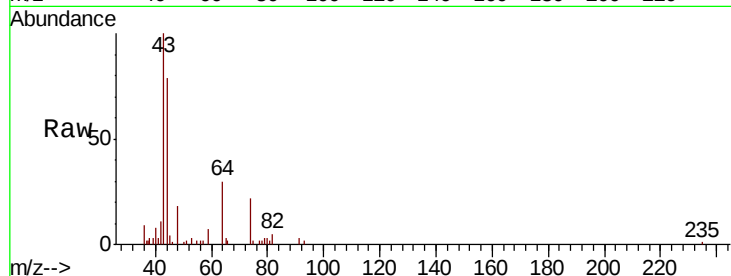




#18
Methvl Acetate
Concen: 1.35 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

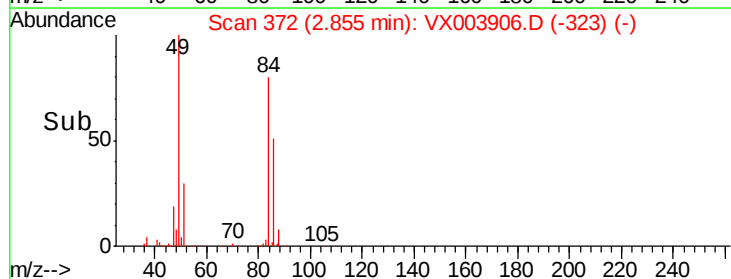
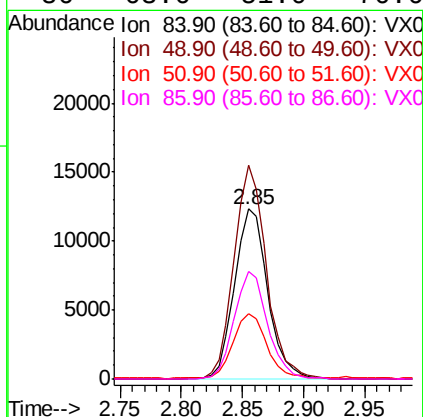
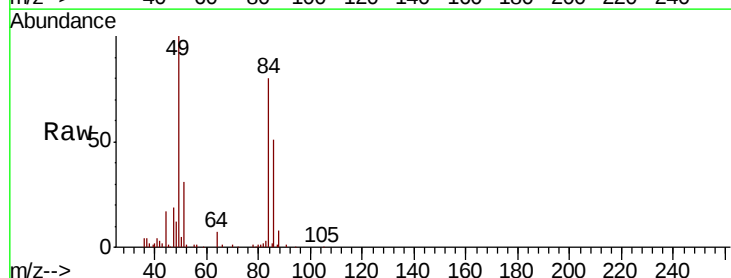
Instrument :
MSVOA_X
ClientSampleId :
155-SOIL

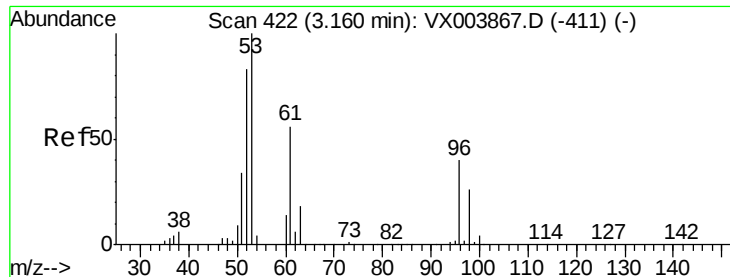
Tot Ion: 43 Resp: 6865
Ion Ratio Lower Upper
43 100
74 22.9 18.9 28.3



#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





#21

trans-1,2-Dichloroethene

Concen: 0.30 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

155-SOIL

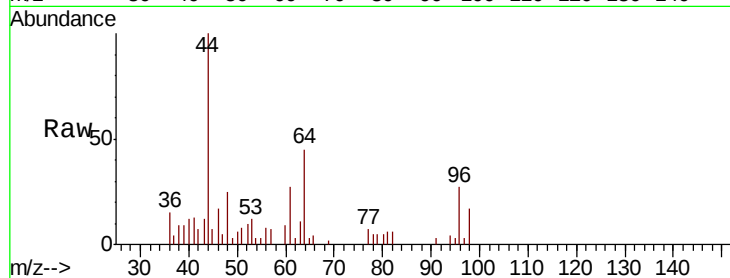
Tot Ion: 96 Resp: 1083

Ion Ratio Lower Upper

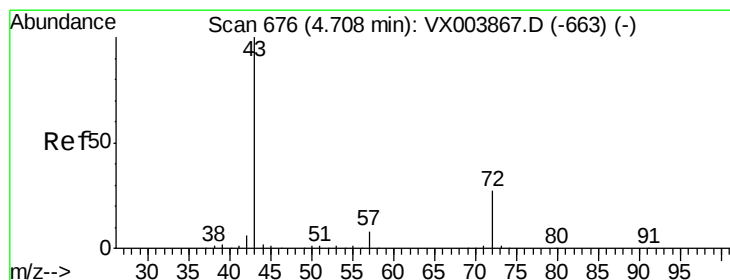
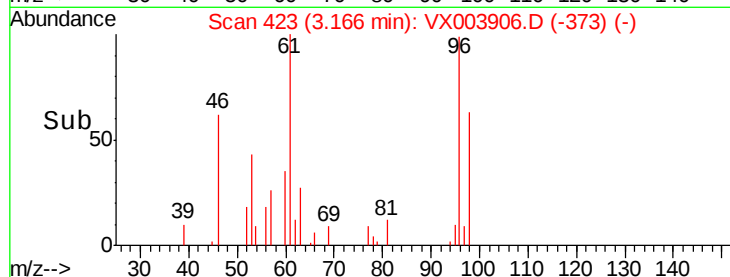
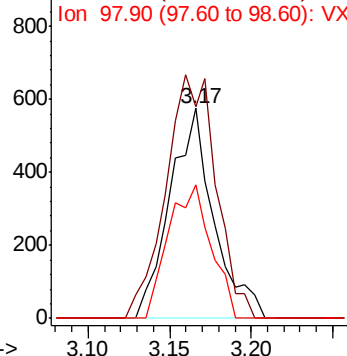
96 100

61 100.5 111.8 167.6#

98 63.5 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 1.60 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003906.D

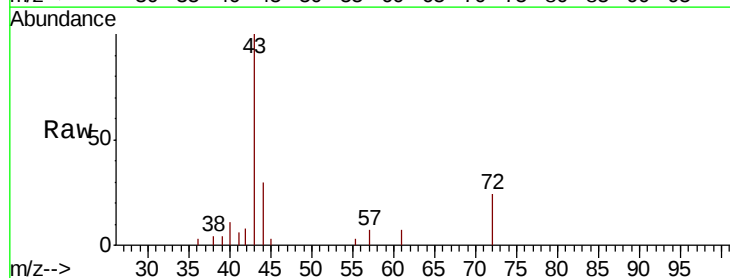
Acq: 08 Aug 2018 04:04

Tgt Ion: 43 Resp: 5611

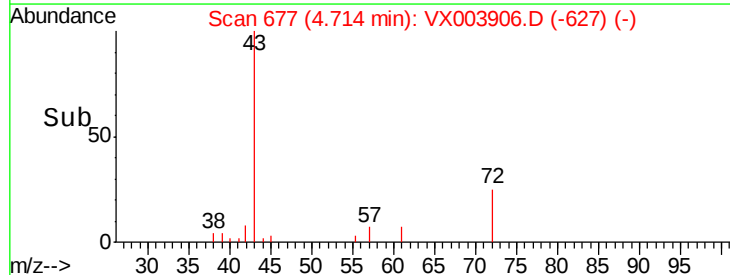
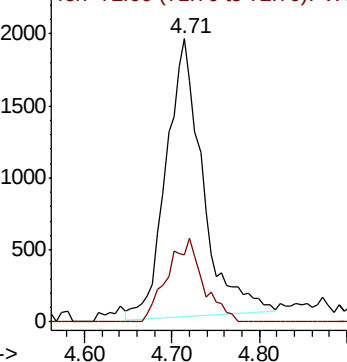
Ion Ratio Lower Upper

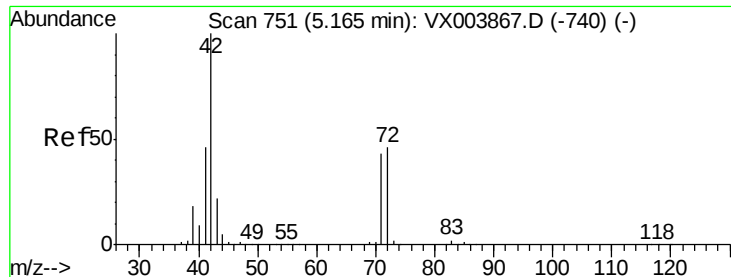
43 100

72 24.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.06 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

155-SOIL

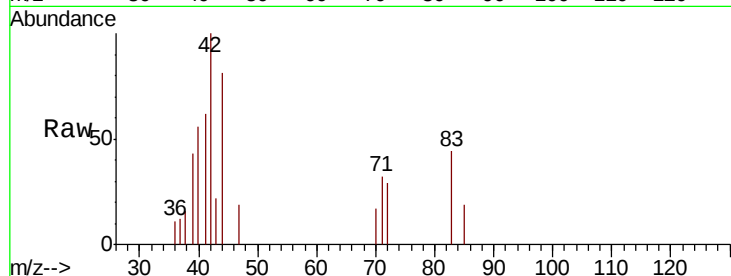
Tot Ion: 42 Resp: 1900

Ion Ratio Lower Upper

42 100

72 21.6 37.7 56.5#

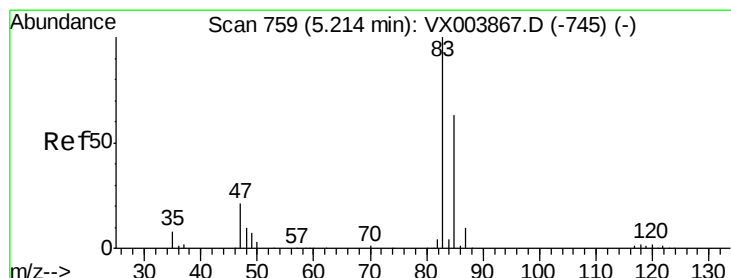
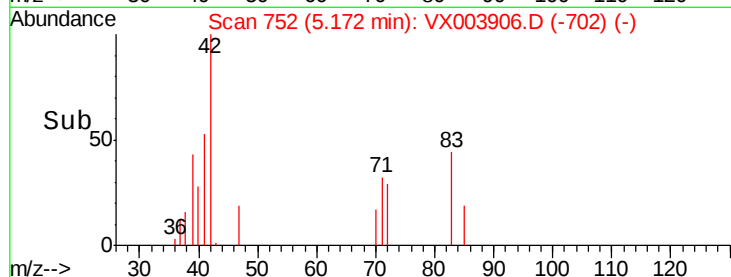
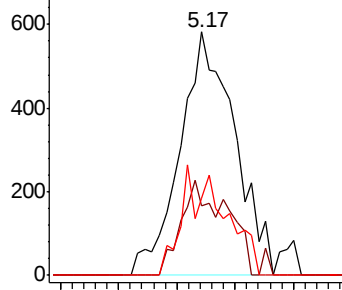
71 12.6 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 1.41 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX003906.D

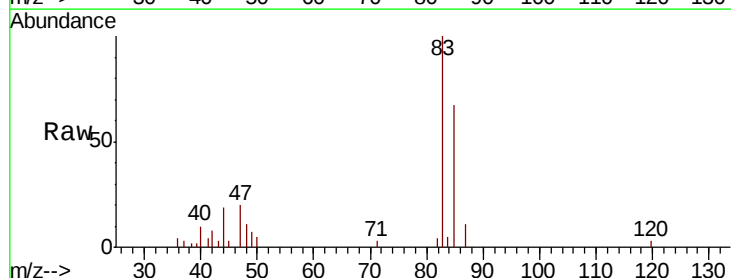
Acq: 08 Aug 2018 04:04

Tgt Ion: 83 Resp: 8831

Ion Ratio Lower Upper

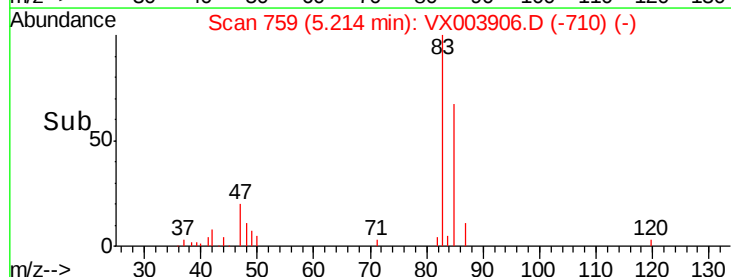
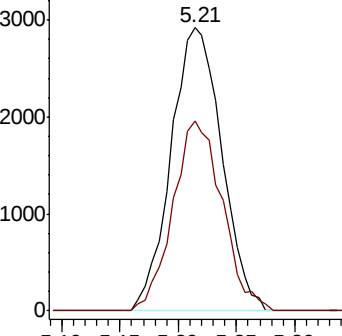
83 100

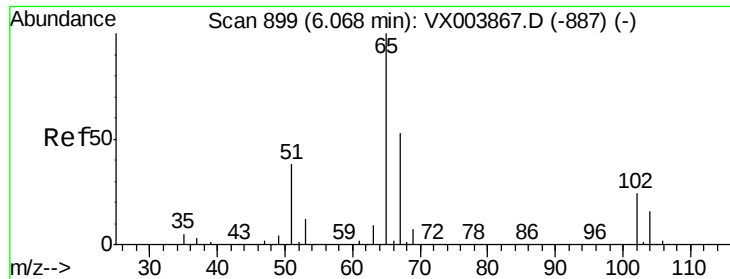
85 67.2 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

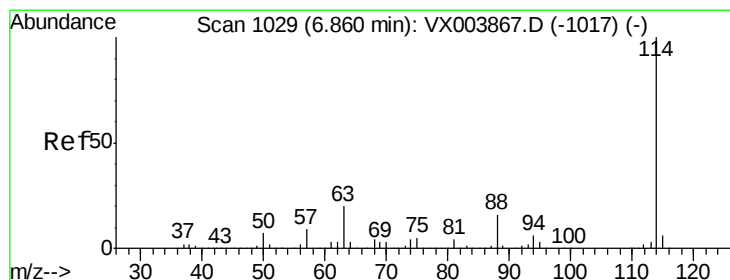
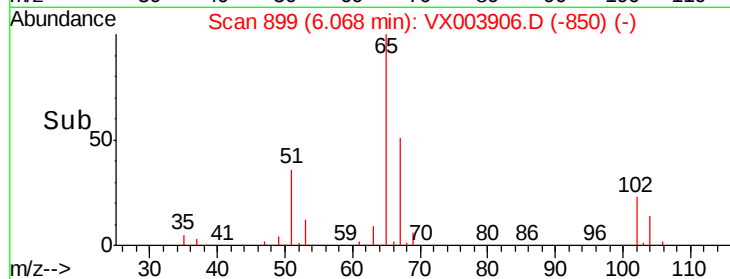
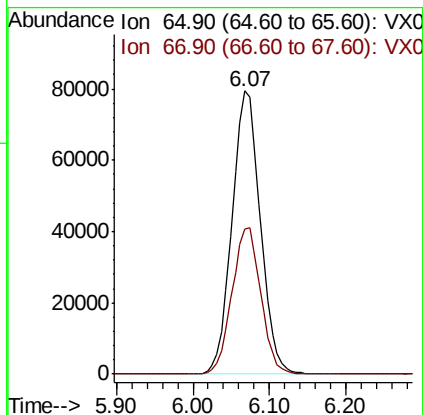
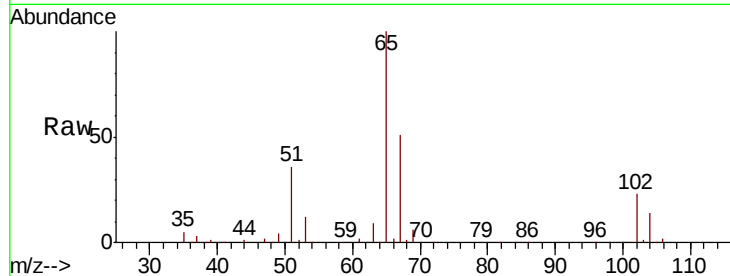




#33
 1,2-Dichloroethane-d4
 Concen: 52.17 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

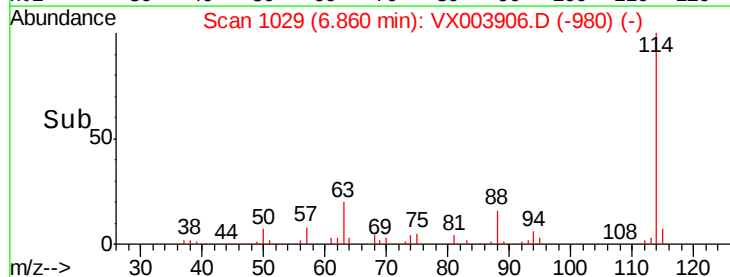
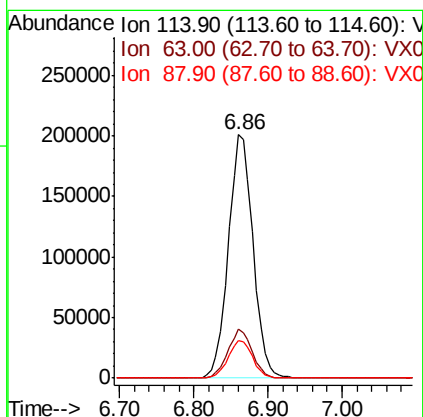
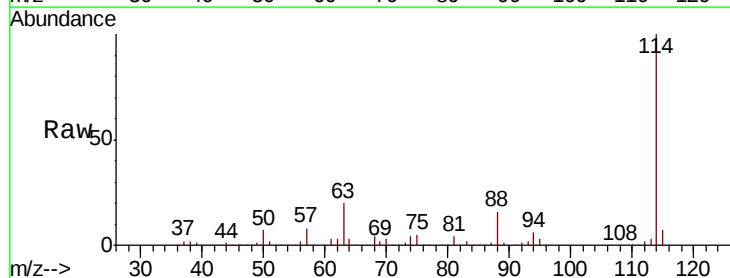
Instrument :
 MSVOA_X
 ClientSampleId :
 155-SOIL

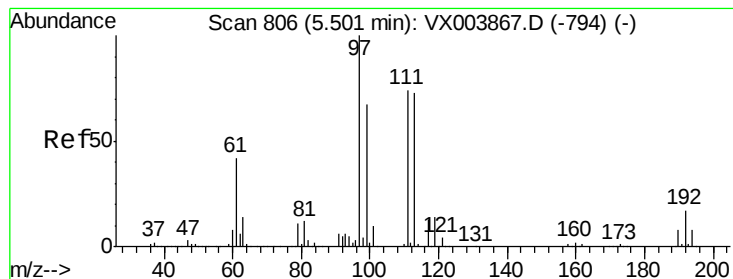
Tot Ion: 65 Resp: 204148
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#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

ClientSampled :

155-SOIL

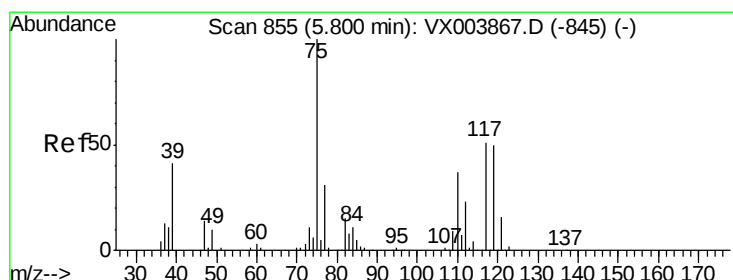
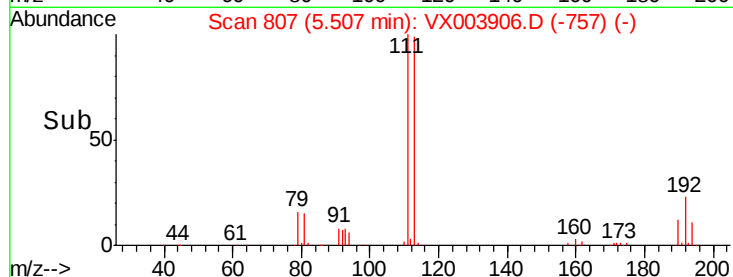
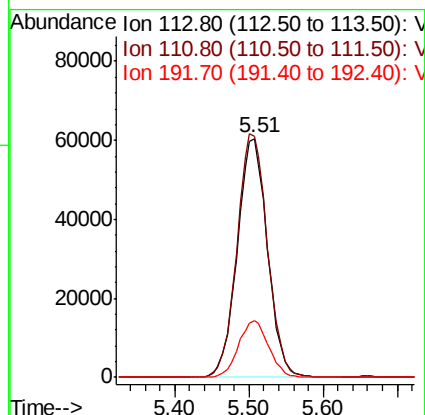
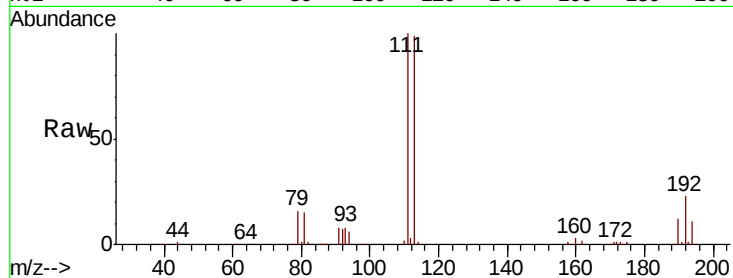
Tot Ion:113 Resp: 171421

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 23.7 19.0 28.4



#36

1,1-Dichloropropene

Concen: 0.24 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

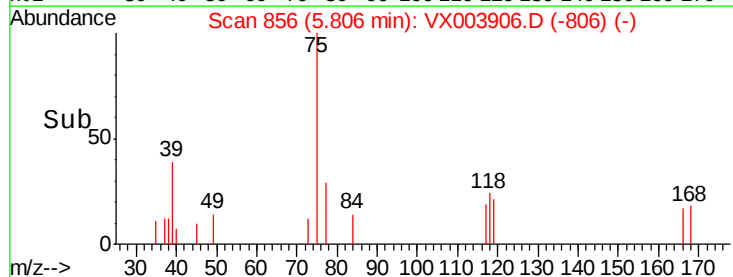
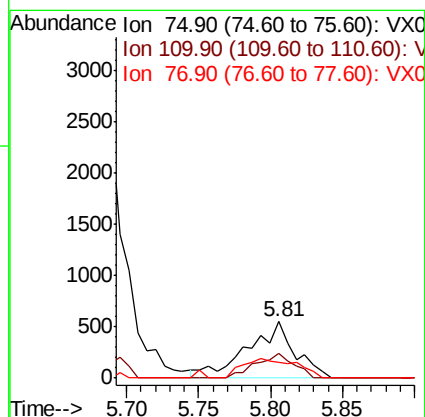
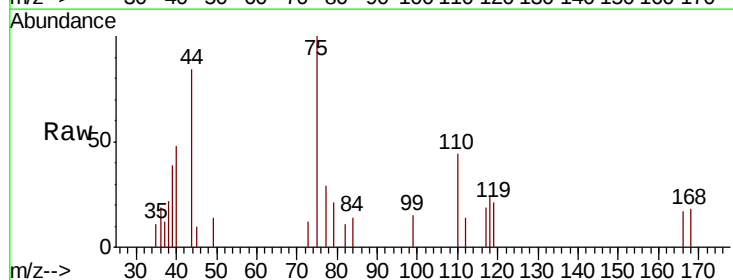
Tgt Ion: 75 Resp: 1255

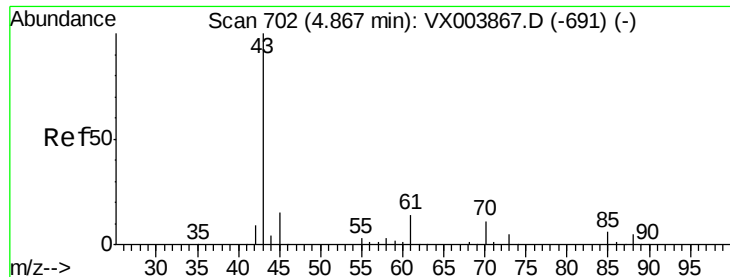
Ion Ratio Lower Upper

75 100

110 34.7 18.2 54.6

77 39.9 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.98 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

155-SOIL

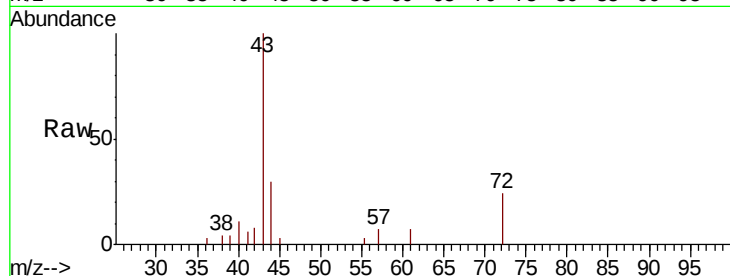
Tot Ion: 43 Resp: 5611

Ion Ratio Lower Upper

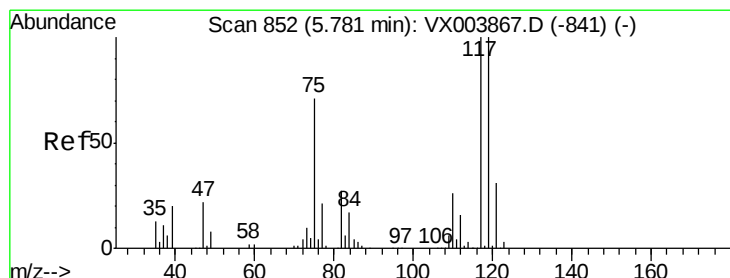
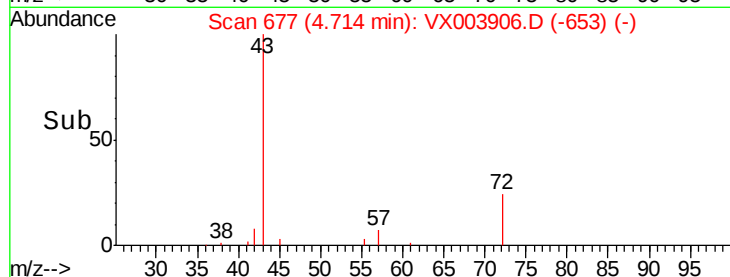
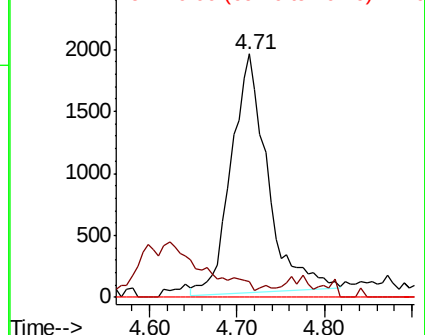
43 100

61 0.0 11.5 17.3#

70 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.33 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

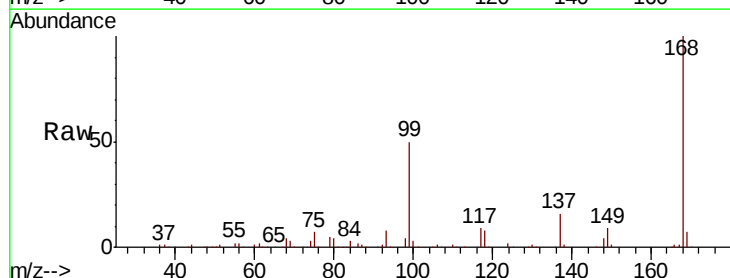
Tgt Ion: 117 Resp: 26468

Ion Ratio Lower Upper

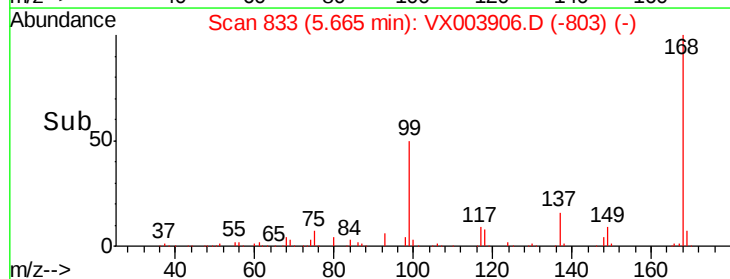
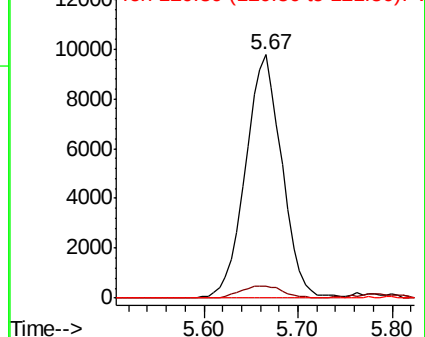
117 100

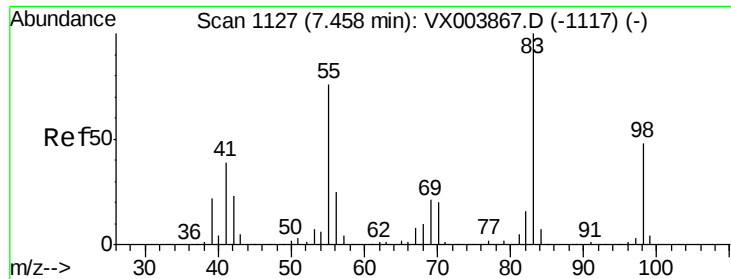
119 5.0 79.5 119.3#

121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

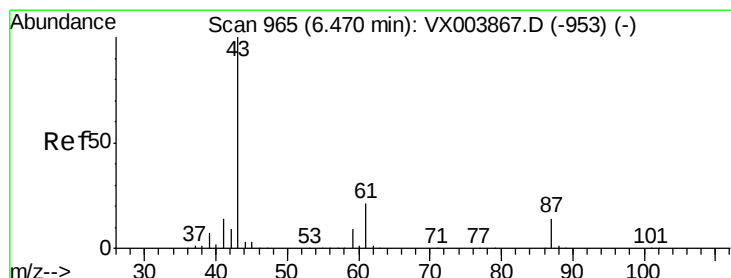
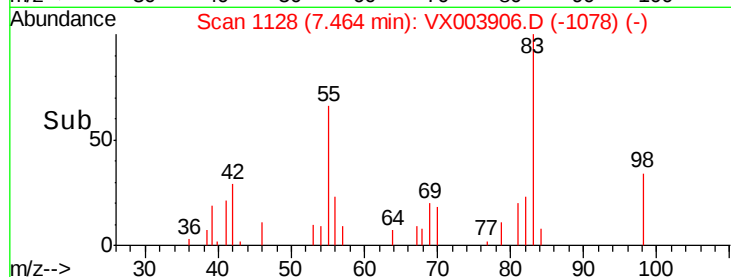
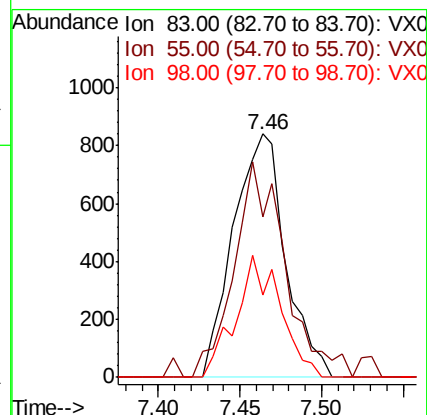
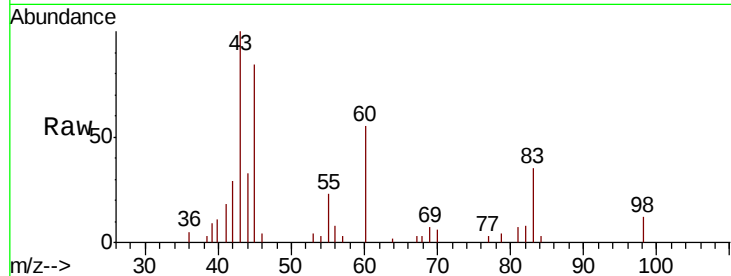




#39
Methvlcvclohexane
Concen: 0.31 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003906.D
Acq: 08 Aug 2018 04:04

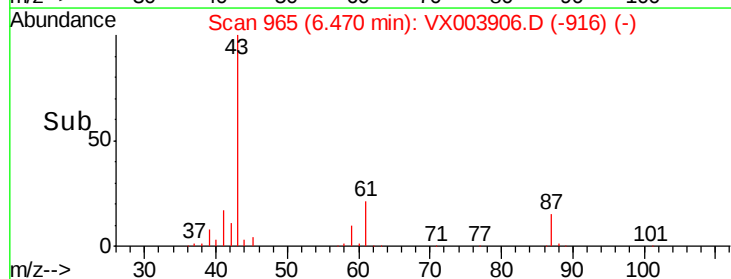
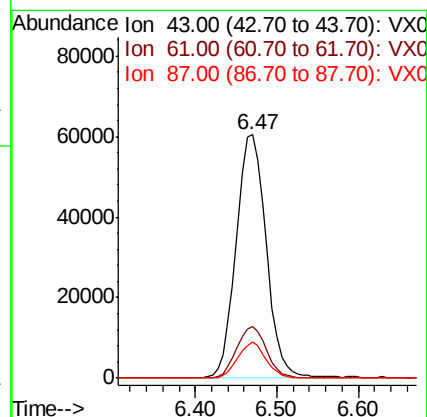
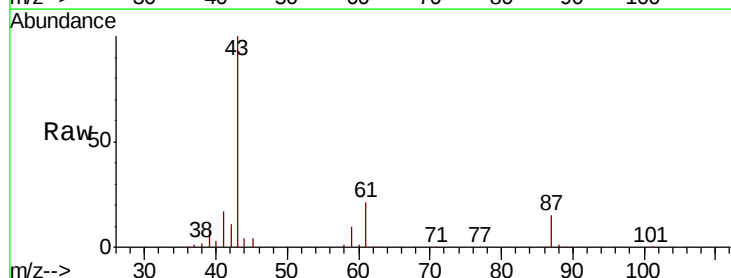
Instrument :
MSVOA_X
ClientSampled :
155-SOIL

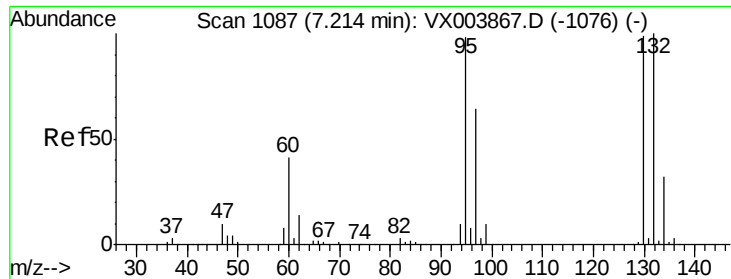
Tot Ion: 83 Resp: 1878
Ion Ratio Lower Upper
83 100
55 66.1 61.0 91.6
98 34.0 38.6 57.8#



#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





#44

Trichloroethene

Concen: 0.22 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

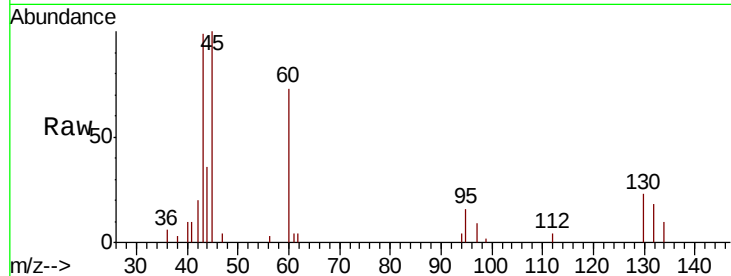
155-SOIL

Tot Ion:130 Resp: 941

Ion Ratio Lower Upper

130 100

95 68.1 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

600

500

400

300

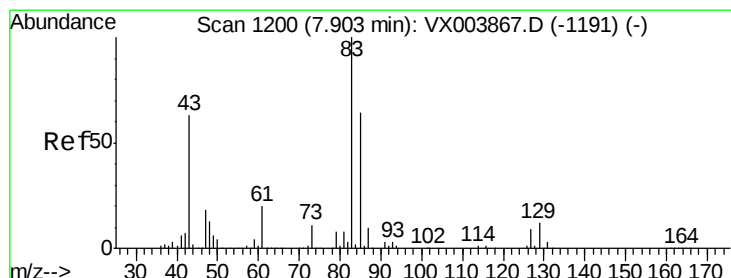
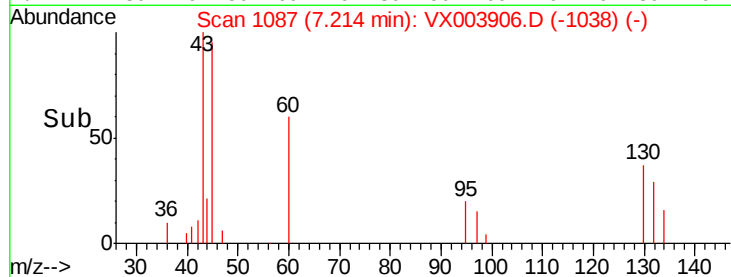
200

100

0

7.15 7.20 7.25

Time-->



#47

Bromodichloromethane

Concen: 0.36 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

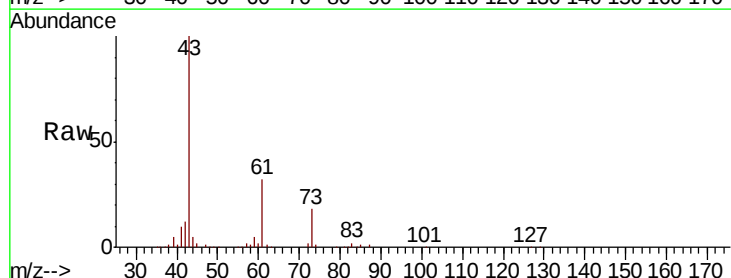
Tgt Ion: 83 Resp: 1796

Ion Ratio Lower Upper

83 100

85 59.1 51.2 76.8

127 11.3 7.2 10.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

7.90

1200

1000

800

600

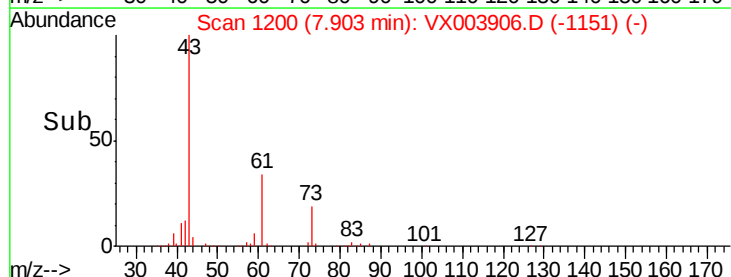
400

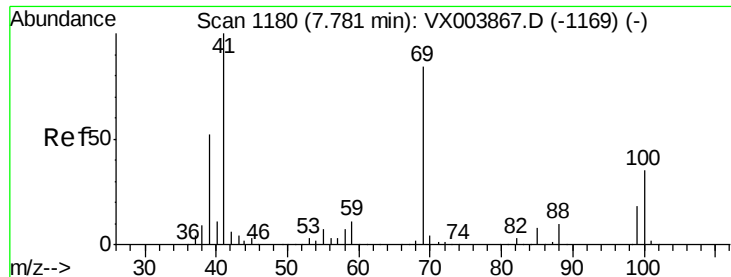
200

0

7.85 7.90 7.95

Time-->





#48

Methvl methacrylate

Concen: 1.83 ug/l

RT: 7.69 min Scan# 1165

Delta R.T. -0.09 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

155-SOIL

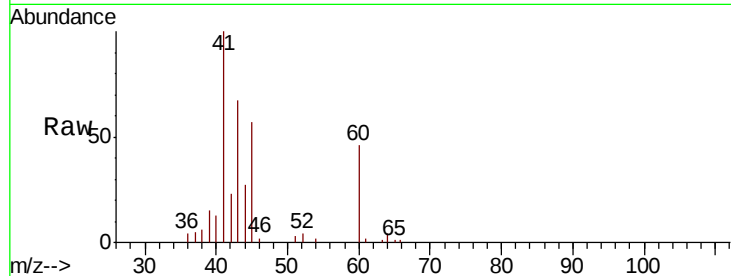
Tot Ion: 41 Resp: 8030

Ion Ratio Lower Upper

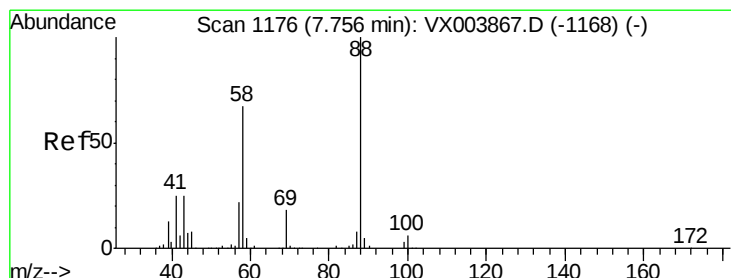
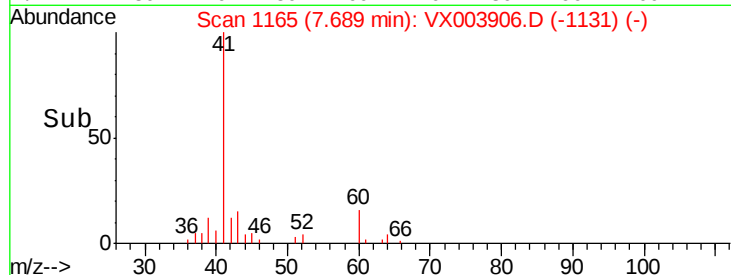
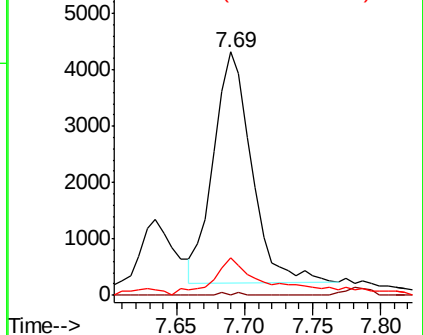
41 100

69 0.5 68.8 103.2#

39 21.7 42.3 63.5#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 0.29 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.02 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

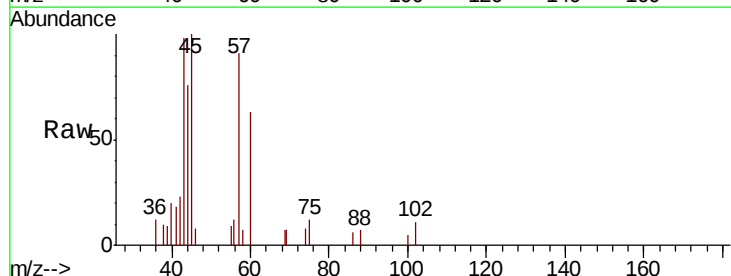
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

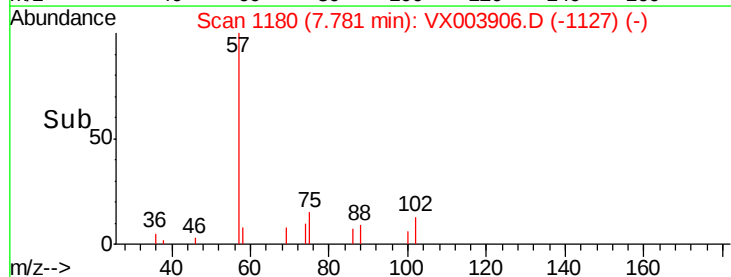
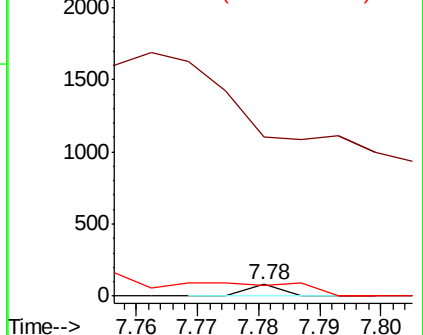
88 100

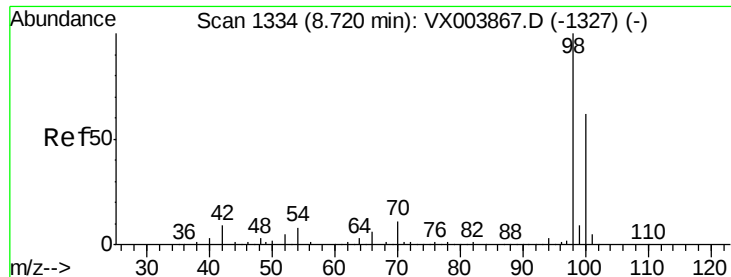
43 0.0 23.8 35.8#

58 0.0 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): 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 :

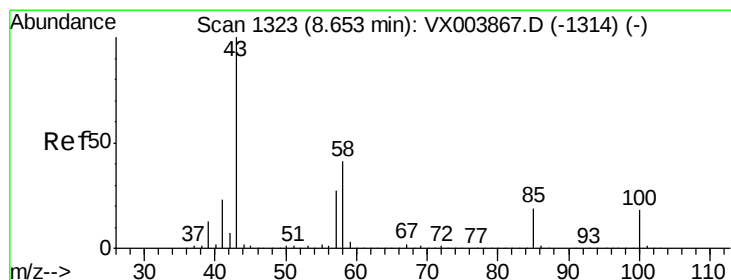
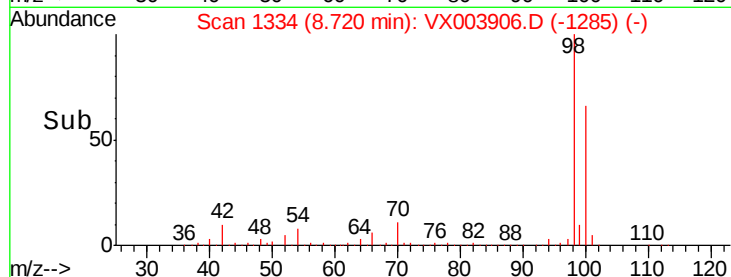
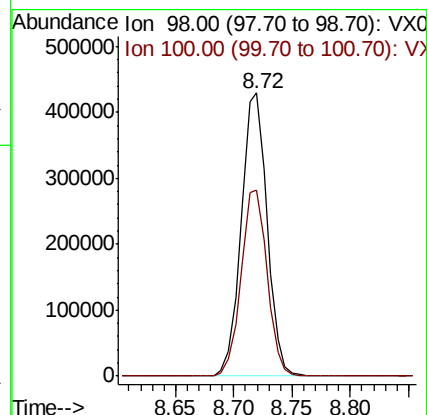
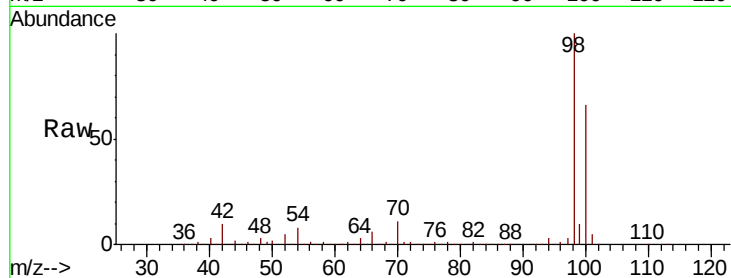
155-SOIL

Tot Ion: 98 Resp: 665783

Ion Ratio Lower Upper

98 100

100 66.3 53.3 79.9



#51

4-Methyl-2-Pentanone

Concen: 0.34 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003906.D

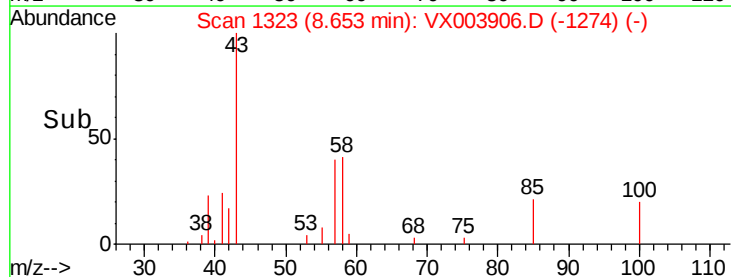
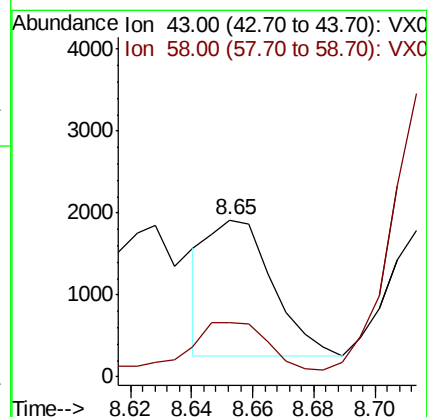
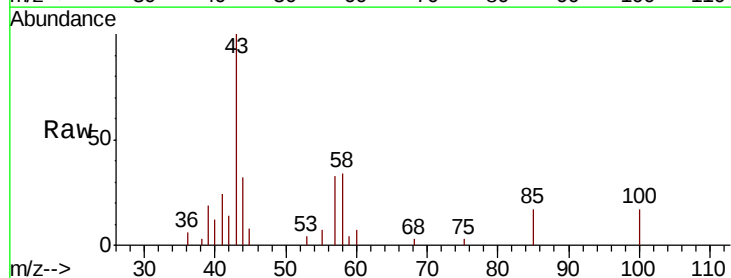
Acq: 08 Aug 2018 04:04

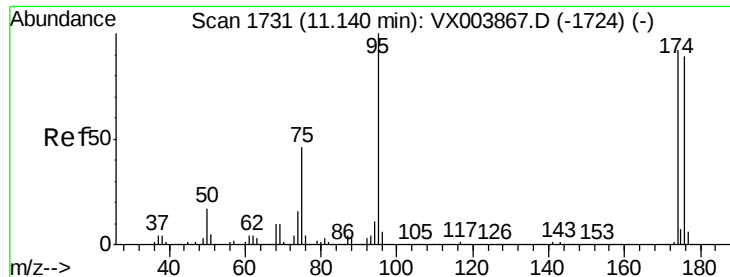
Tgt Ion: 43 Resp: 2439

Ion Ratio Lower Upper

43 100

58 58.0 33.0 49.6#





#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

Instrument :

MSVOA_X

ClientSampleId :

155-SOIL

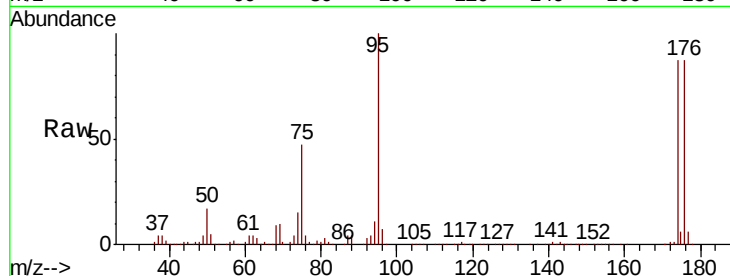
Tot Ion: 95 Resp: 234536

Ion Ratio Lower Upper

95 100

174 89.1 0.0 182.8

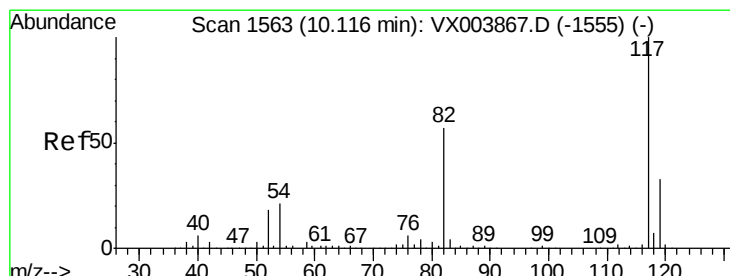
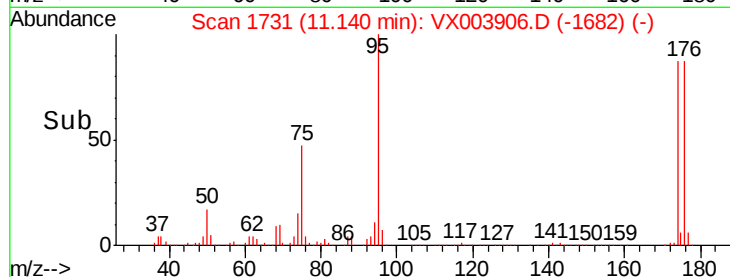
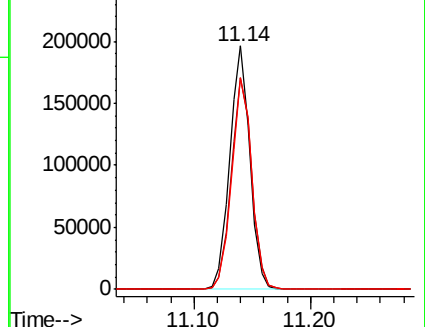
176 87.4 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX003867.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003867.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003867.D (-1724) (-)



#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

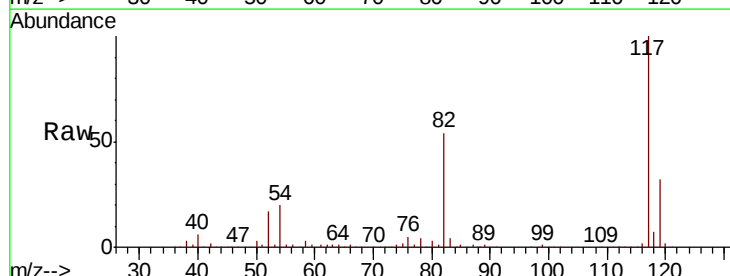
Tgt Ion: 117 Resp: 452530

Ion Ratio Lower Upper

117 100

82 53.6 45.4 68.0

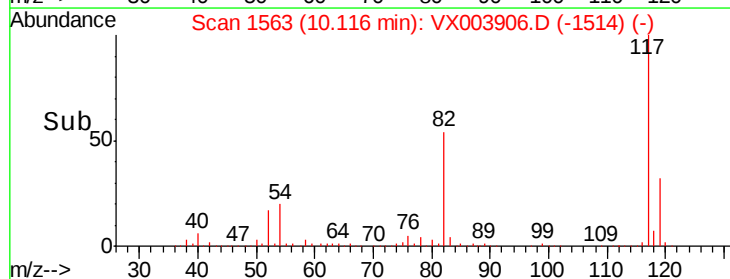
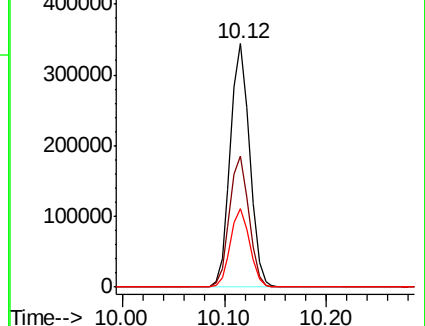
119 32.3 26.6 40.0

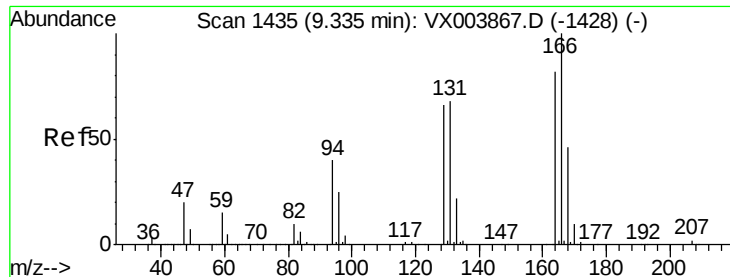


Abundance Ion 116.90 (116.60 to 117.60): VX003867.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX003867.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX003867.D (-1555) (-)





#64

Tetrachloroethene

Concen: 0.26 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :
MSVOA_X
ClientSampleId :
155-SOIL

Tot Ion:164 Resp: 1138

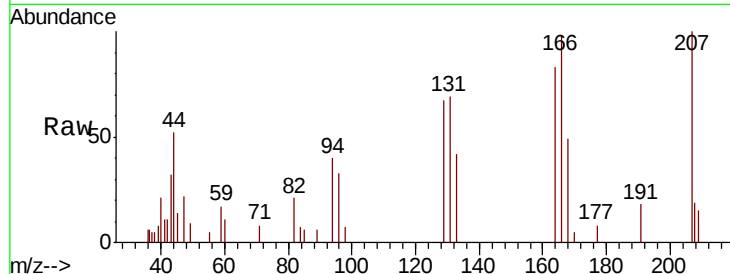
Ion Ratio Lower Upper

164 100

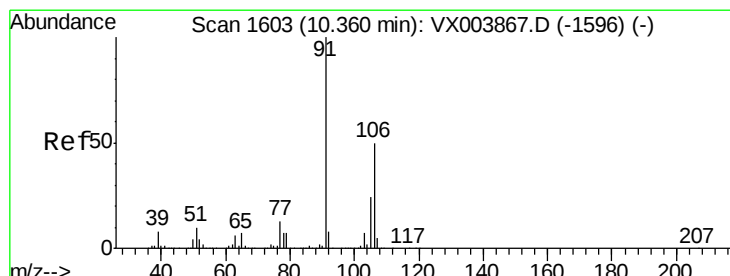
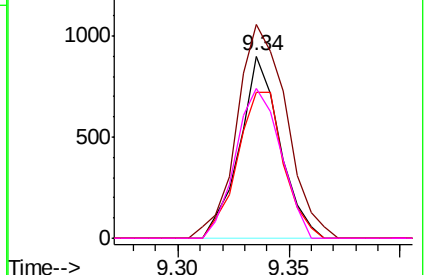
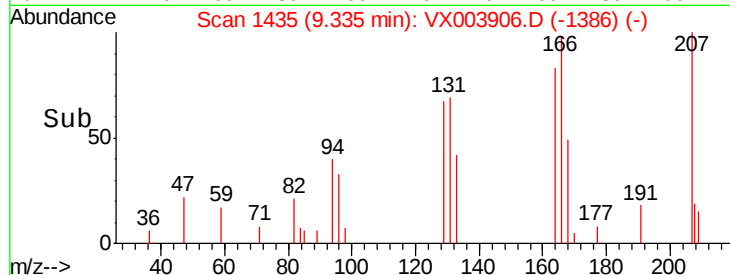
166 117.2 98.0 147.0

129 80.4 64.3 96.5

131 82.5 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.31 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003906.D

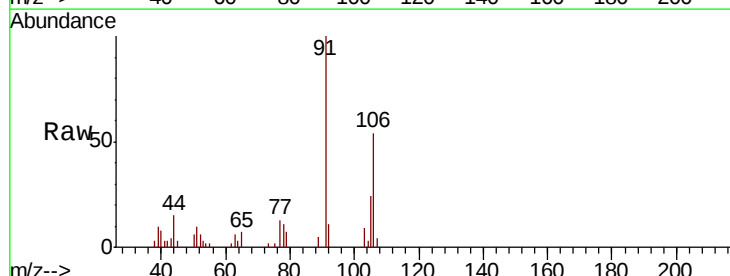
Acq: 08 Aug 2018 04:04

Tgt Ion:106 Resp: 2340

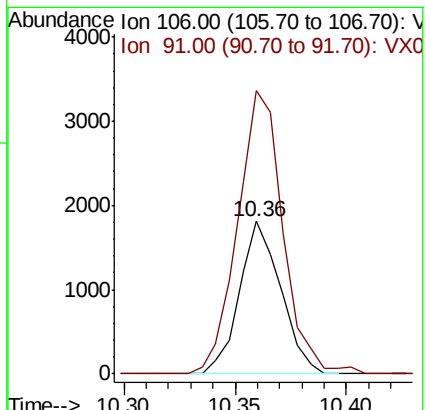
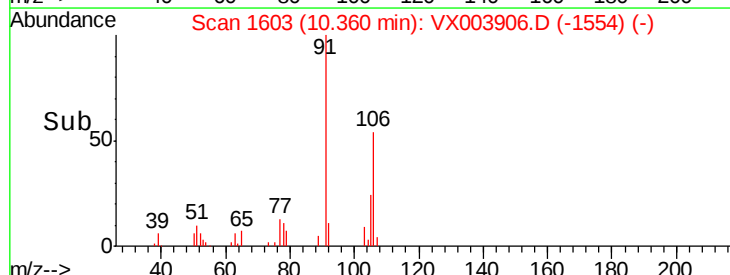
Ion Ratio Lower Upper

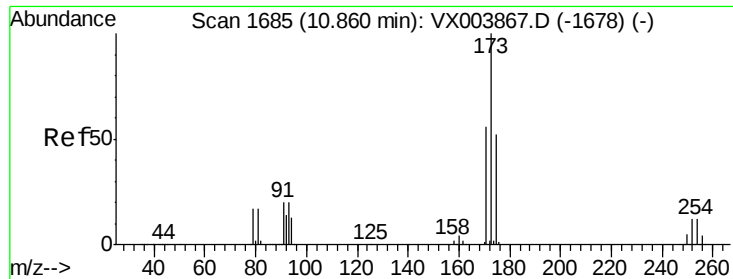
106 100

91 203.5 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 2.95 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampled :

155-SOIL

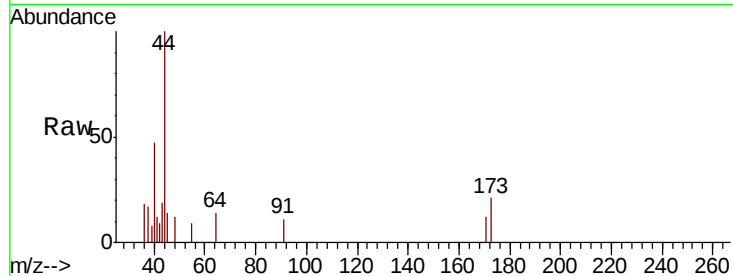
Tot Ion:173 Resp: 135

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

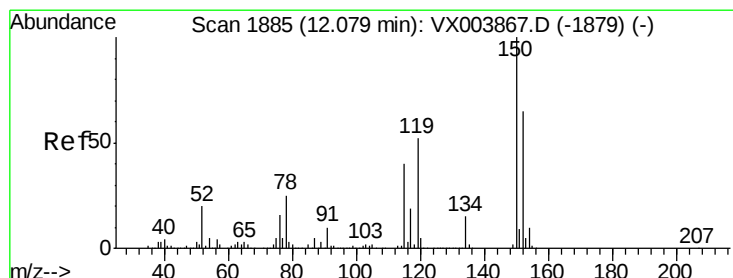
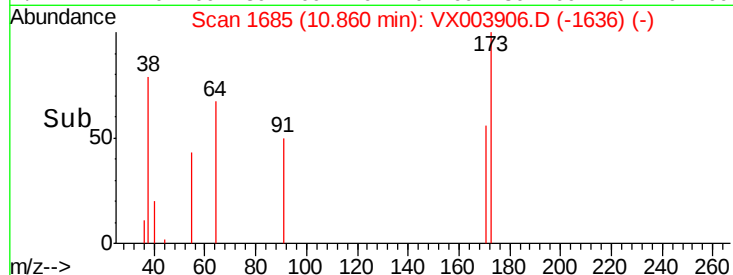
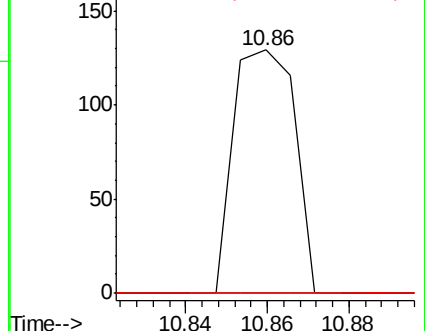
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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

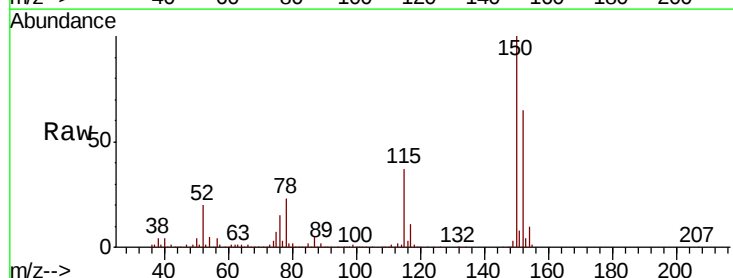
Tgt Ion:152 Resp: 238347

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.3

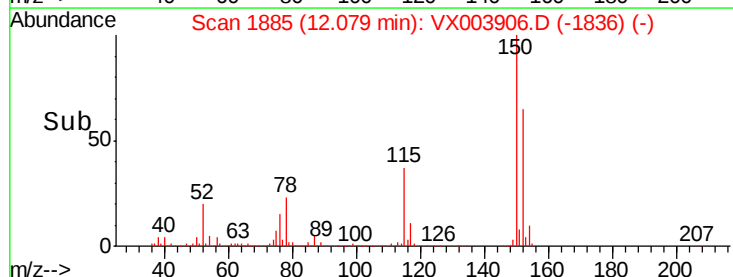
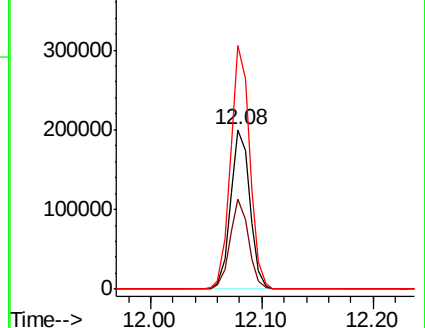
150 152.6 0.0 349.2

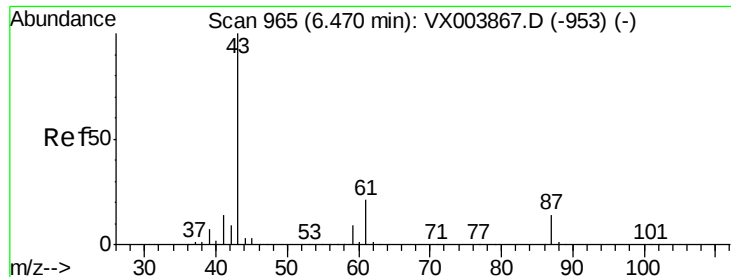


Abundance Ion 151.90 (151.60 to 152.60): V

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

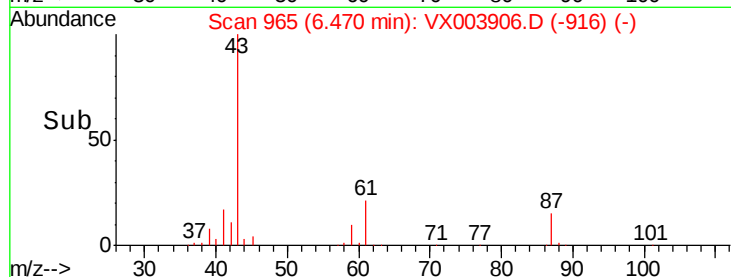
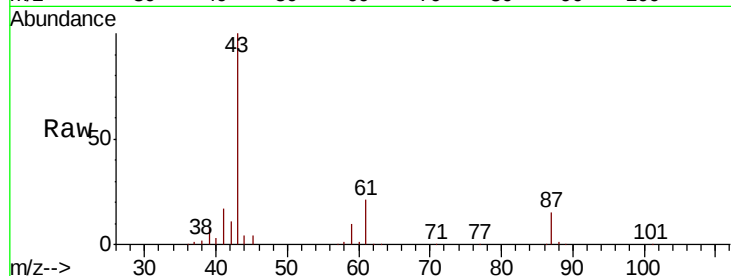
ClientSampleId :

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

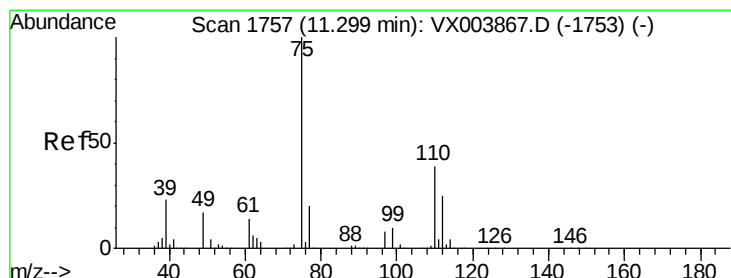
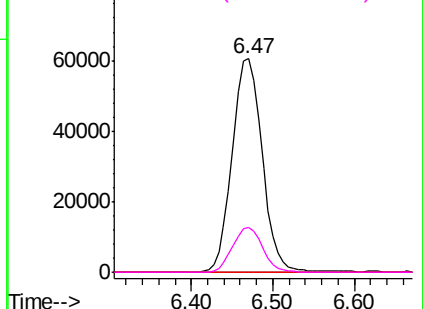


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 21.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

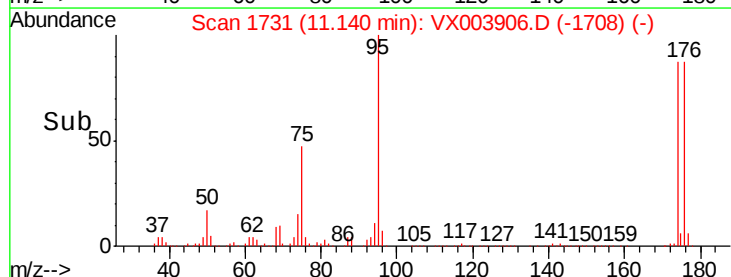
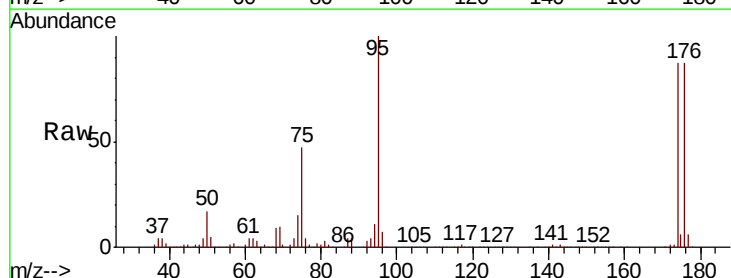
Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Tgt Ion: 75 Resp: 113410

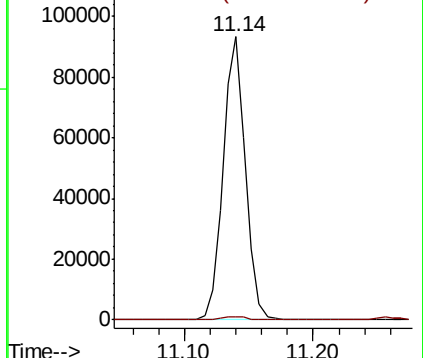
Ion Ratio Lower Upper

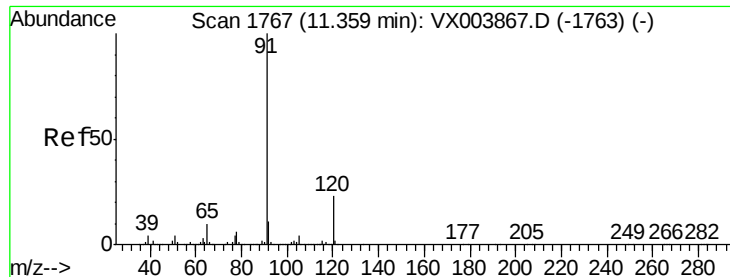
75	100		
77	1.4	20.8	62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

Instrument :

MSVOA_X

ClientSampleId :

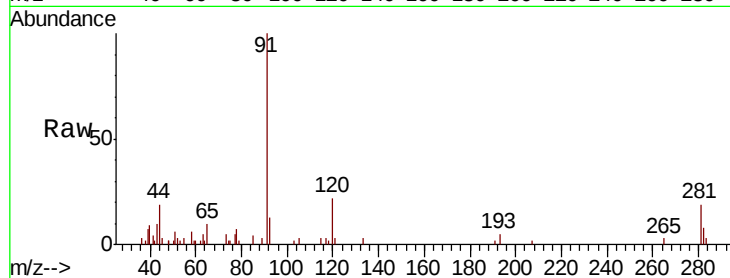
155-SOIL

Tot Ion: 91 Resp: 4300

Ion Ratio Lower Upper

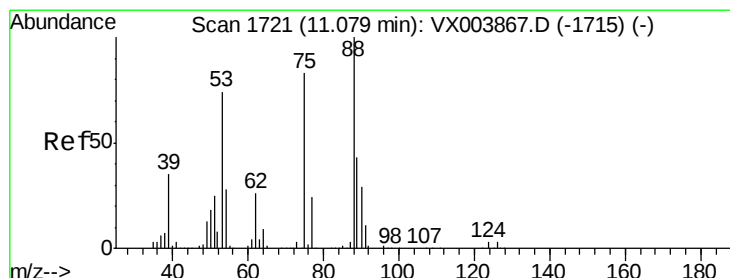
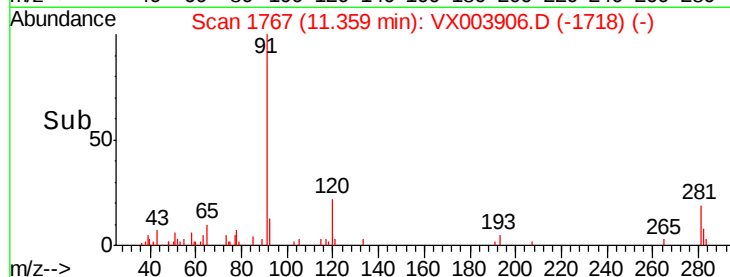
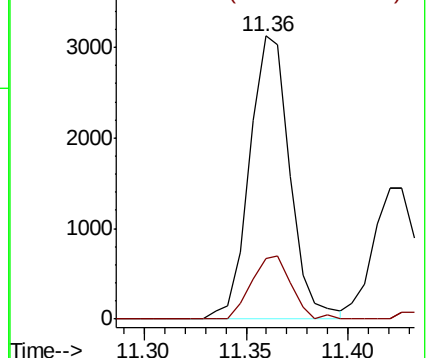
91 100

120 22.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 58.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

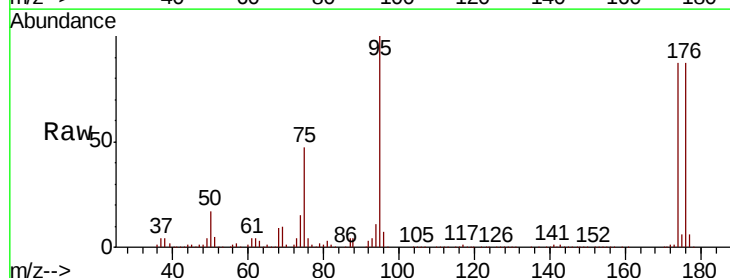
Tgt Ion: 75 Resp: 113410

Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

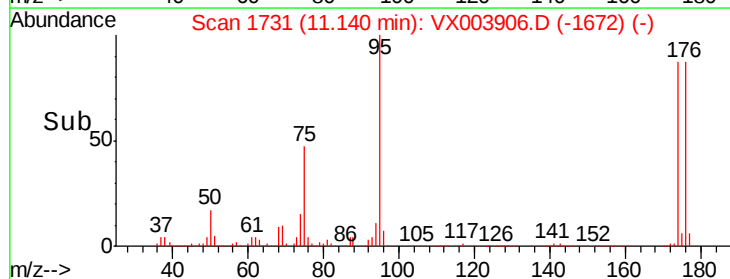
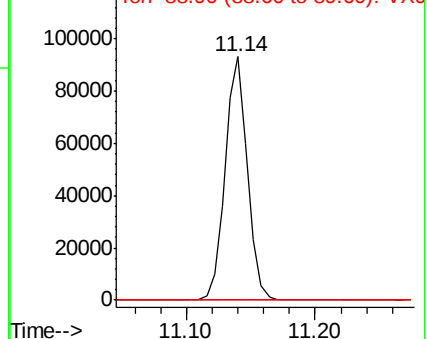
89 0.0 37.8 56.8#

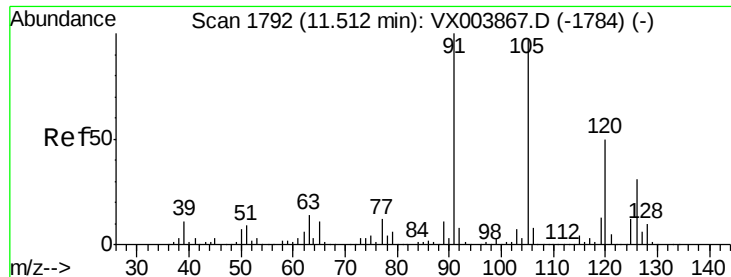


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

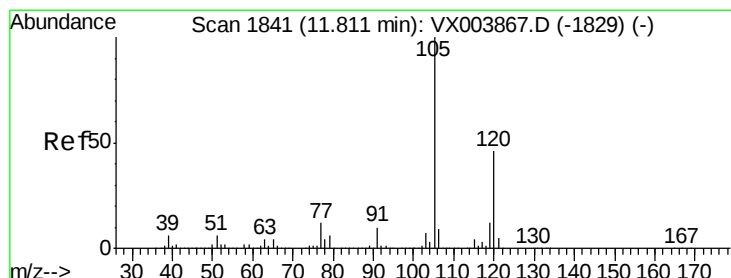
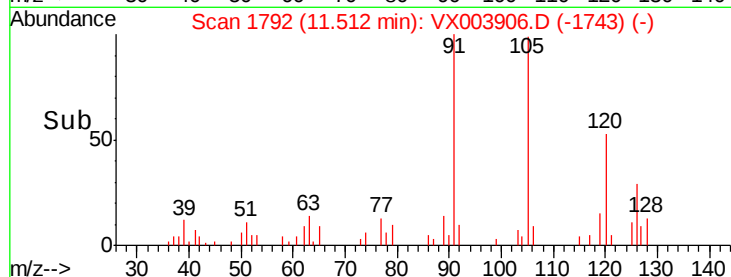
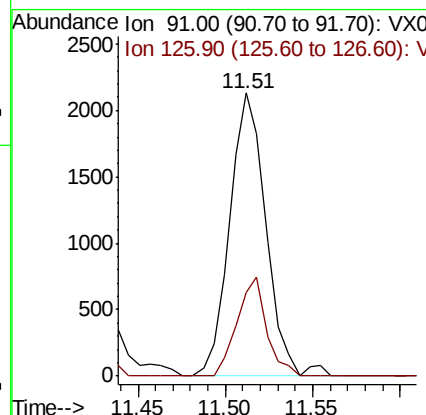
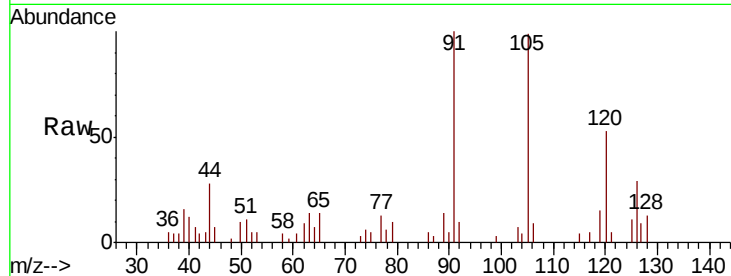




#82
 4-Chlorotoluene
 Concen: 0.22 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

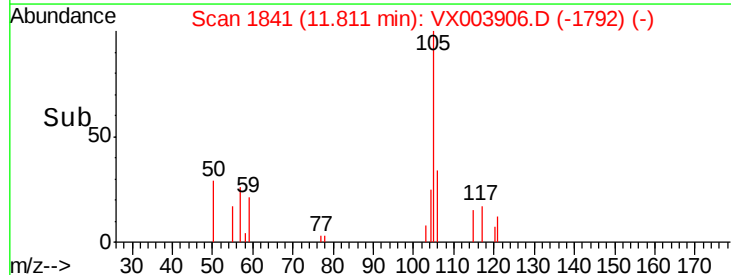
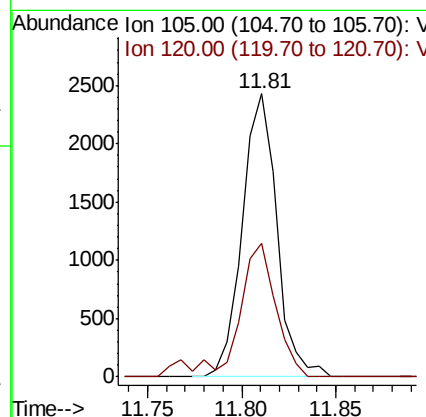
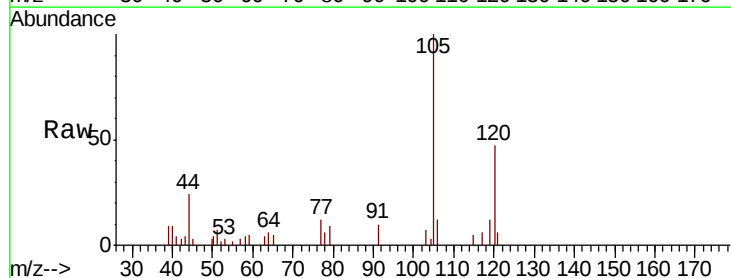
Instrument :
 MSVOA_X
 ClientSampleId :
 155-SOIL

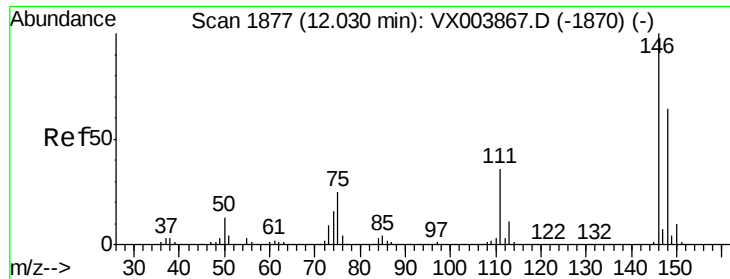
Tot Ion: 91 Resp: 3072
 Ion Ratio Lower Upper
 91 100
 126 28.4 15.6 46.7



#84
 1,2,4-Trimethylbenzene
 Concen: 0.21 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

Tgt Ion: 105 Resp: 3087
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2

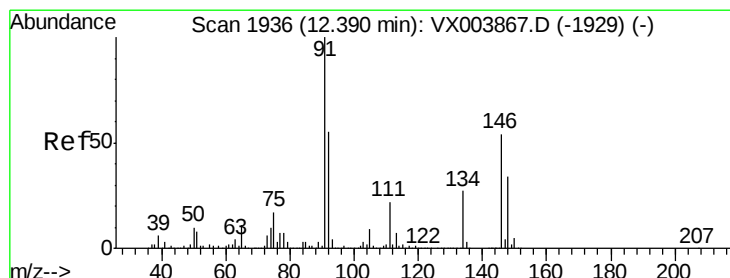
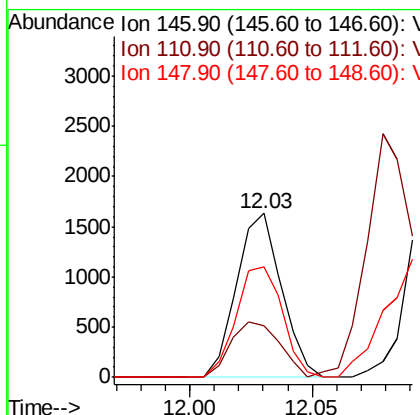
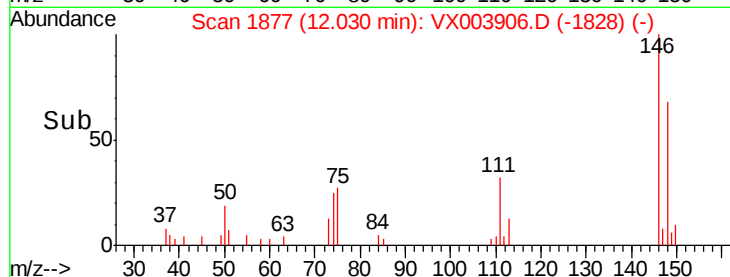
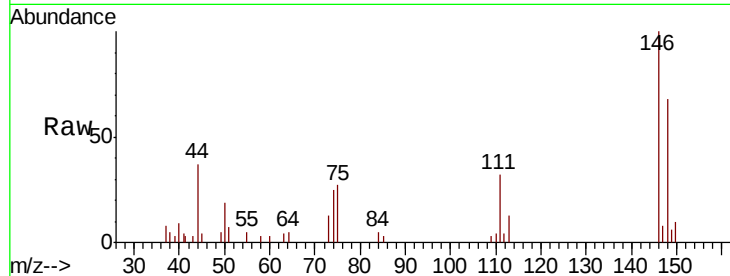




#87
 1,3-Dichlorobenzene
 Concen: 0.24 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

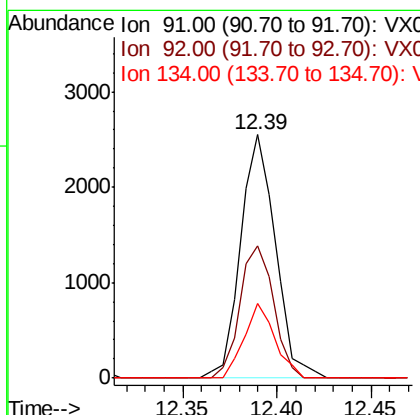
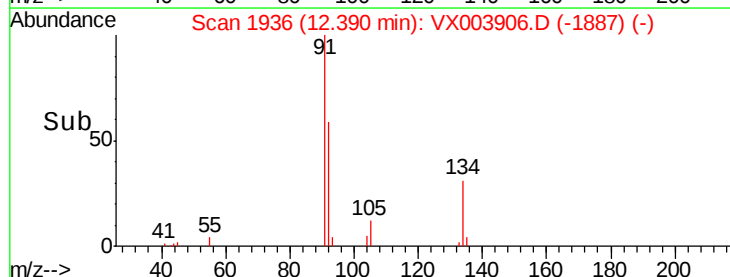
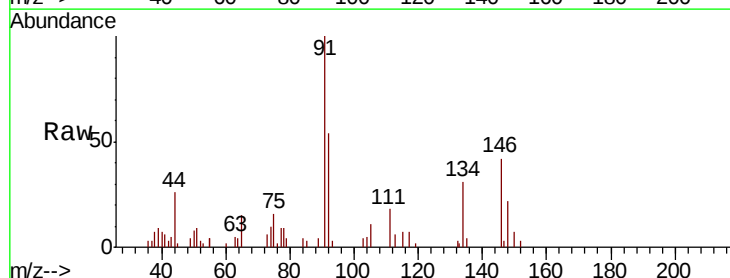
Instrument :
 MSVOA_X
 ClientSampled :
 155-SOIL

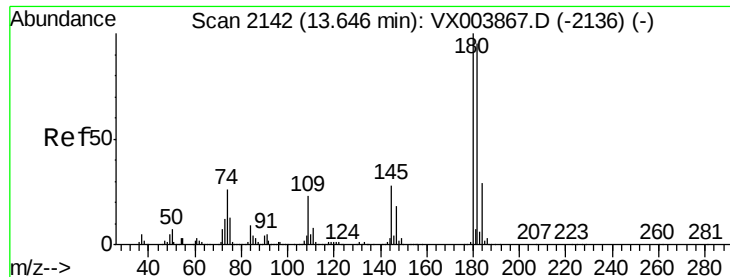
Tot Ion:146 Resp: 2082
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 69.6 31.9 95.5



#89
 n-Butylbenzene
 Concen: 0.25 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

Tgt Ion: 91 Resp: 3257
 Ion Ratio Lower Upper
 91 100
 92 52.6 27.1 81.3
 134 27.0 13.6 40.7

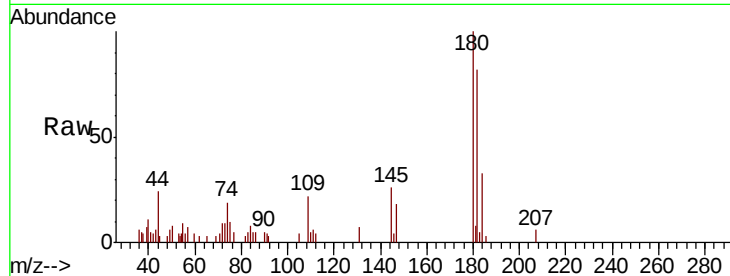




#93
 1,2,4-Trichlorobenzene
 Concen: 0.35 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

Instrument :
 MSVOA_X
 ClientSampleId :
 155-SOIL

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.7	143.1
145	26.4	13.9	41.6

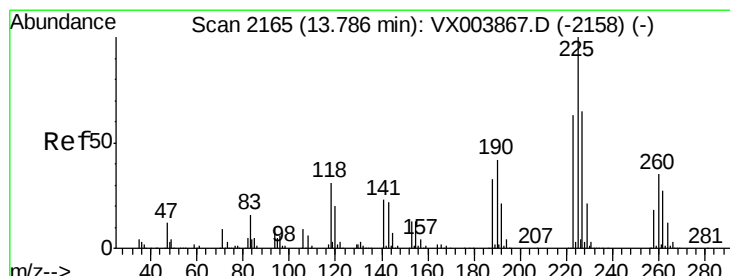
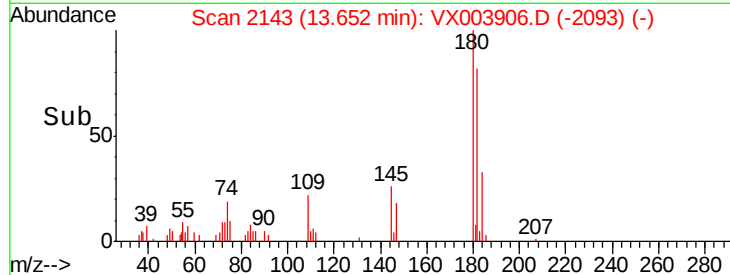
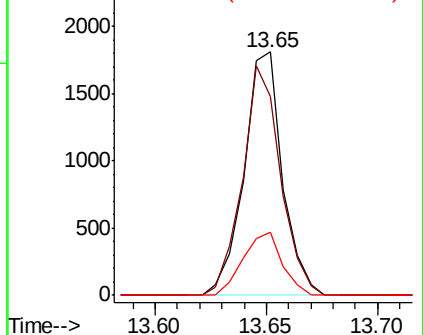


Abundance

Ion 179.80 (179.50 to 180.50): V

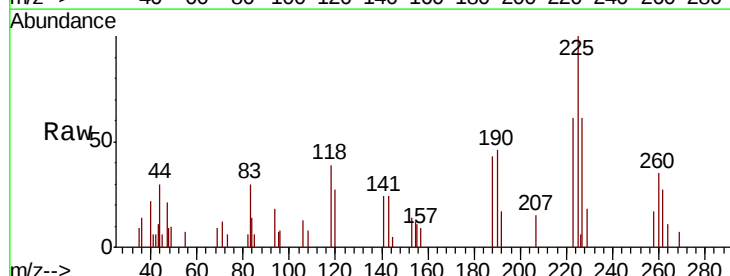
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.87 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003906.D
 Acq: 08 Aug 2018 04:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.7	31.4	94.0
227	74.4	32.1	96.5

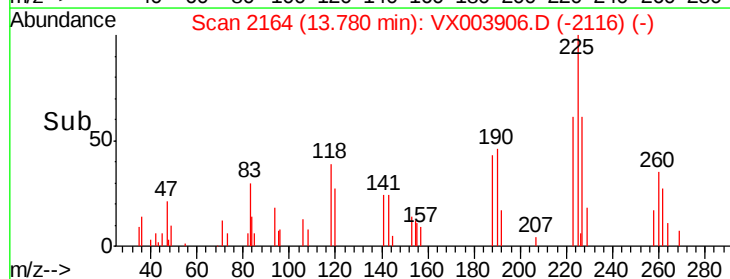
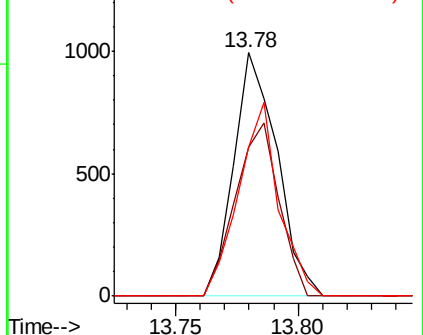


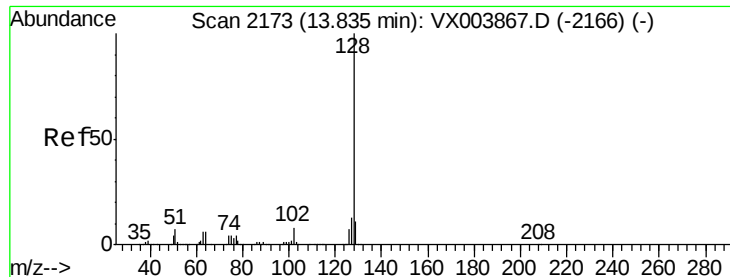
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#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

Instrument :

MSVOA_X

ClientSampleId :

155-SOIL

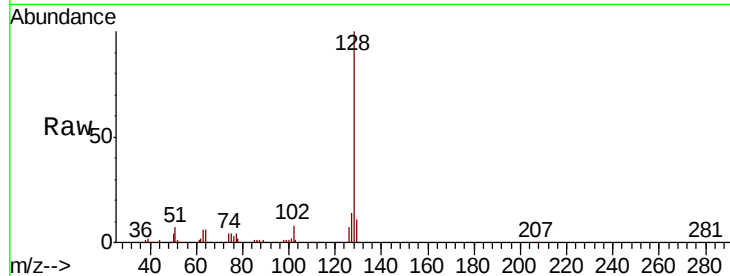
Tot Ion:128 Resp: 66875

Ion Ratio Lower Upper

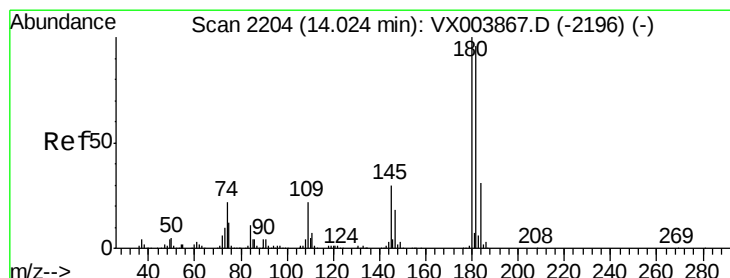
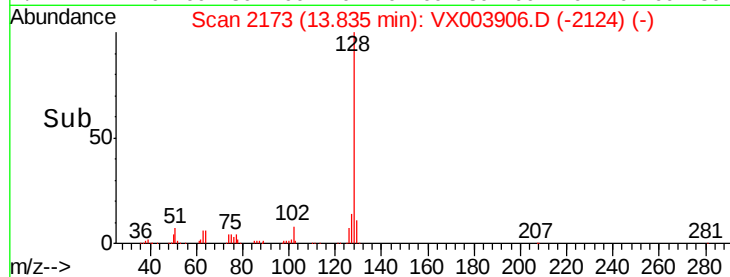
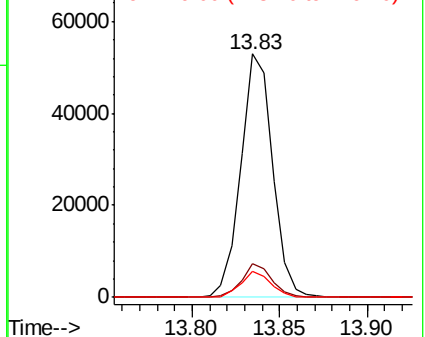
128 100

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



#96

1,2,3-Trichlorobenzene

Concen: 0.31 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003906.D

Acq: 08 Aug 2018 04:04

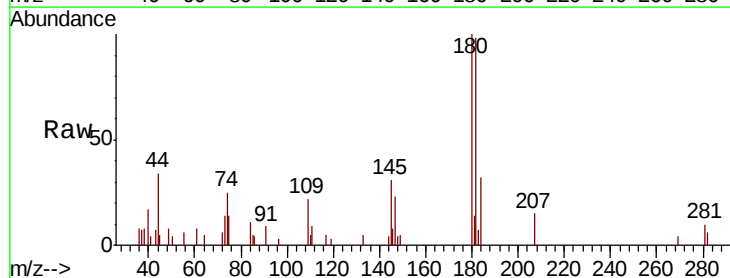
Tgt Ion:180 Resp: 1925

Ion Ratio Lower Upper

180 100

182 92.6 48.1 144.4

145 33.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

