

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006784.D
 Acq On : 24 Dec 2018 10:26
 Operator : JC/MD
 Sample : J6532-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 25 01:17:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	647158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	982853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	897937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	439722	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	336825	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.51	113	297378	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.71	98	1157296	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	413149	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	

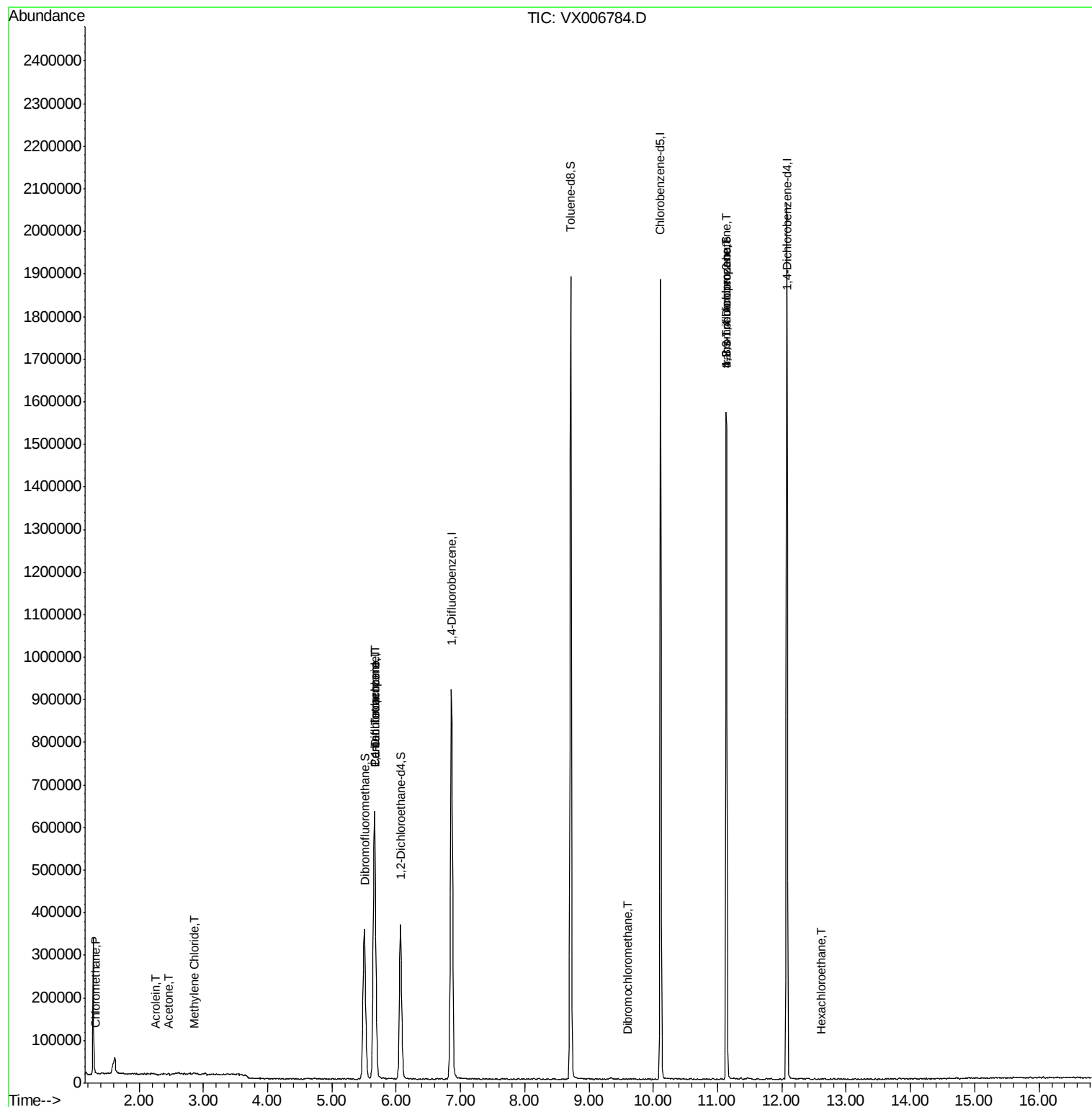
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2322	0.364	ug/l #	70
5) Bromomethane	1.65	94	1377	Below Cal		84
13) Acrolein	2.25	56	636	0.606	ug/l #	69
16) Acetone	2.45	43	3045	0.950	ug/l #	72
20) Methylene Chloride	2.87	84	2190	0.331	ug/l #	76
28) Bromochloromethane	5.05	49	503	Below Cal	#	26
36) 1,1-Dichloropropene	5.66	75	41646	5.116	ug/l #	49
38) Carbon Tetrachloride	5.66	117	59746	7.552	ug/l #	14
49) 1,4-Dioxane	7.75	88	43	Below Cal	#	1
60) Dibromochloromethane	9.60	129	57	2.332	ug/l	63
76) 1,2,3-Trichloropropane	11.13	75	194103	23.753	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	194103	70.399	ug/l #	10
90) Hexachloroethane	12.61	117	91	3.314	ug/l #	6

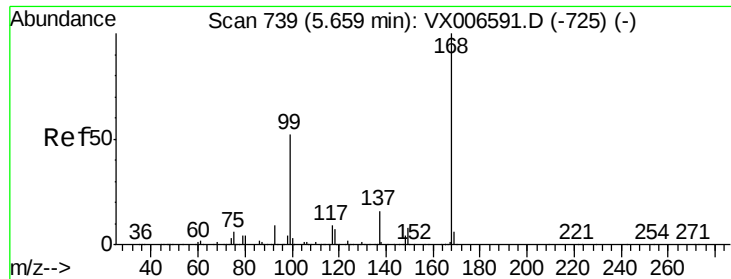
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 25 01:17:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

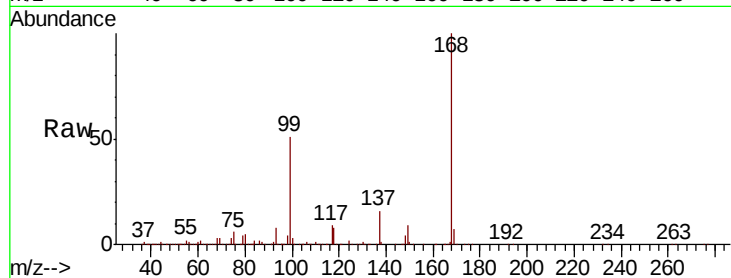
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 647158

Ion Ratio Lower Upper

168 100

99 51.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

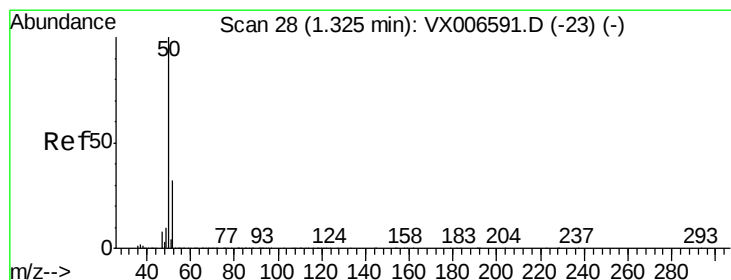
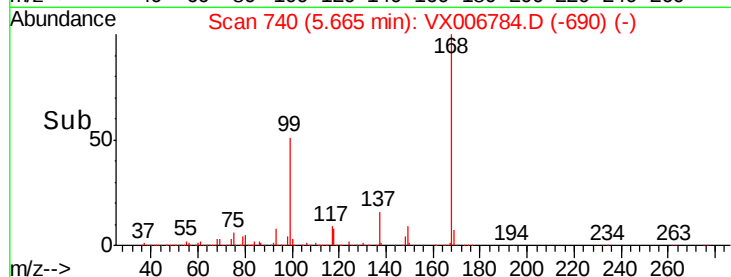
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.364 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006784.D

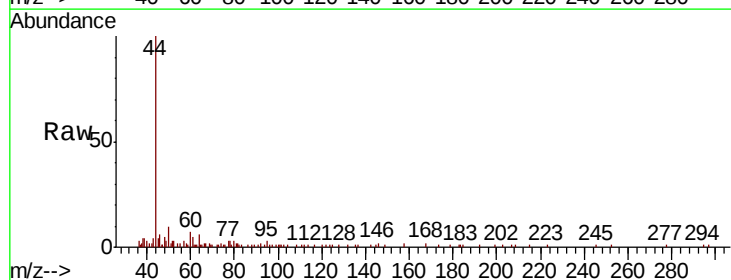
Acq: 24 Dec 2018 10:26

Tgt Ion: 50 Resp: 2322

Ion Ratio Lower Upper

50 100

52 48.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

600

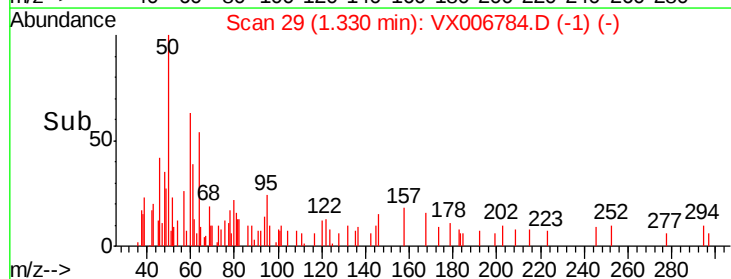
400

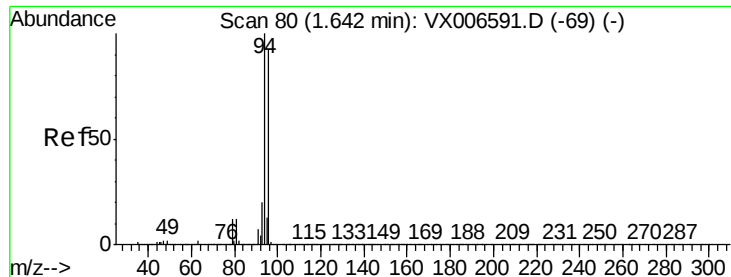
200

0

Time-->

1.30 1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

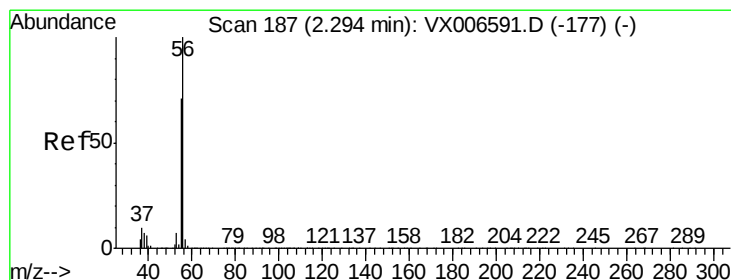
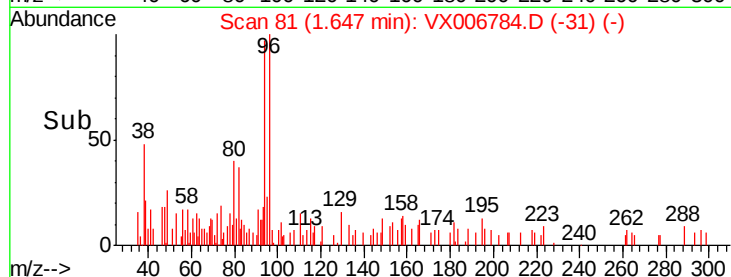
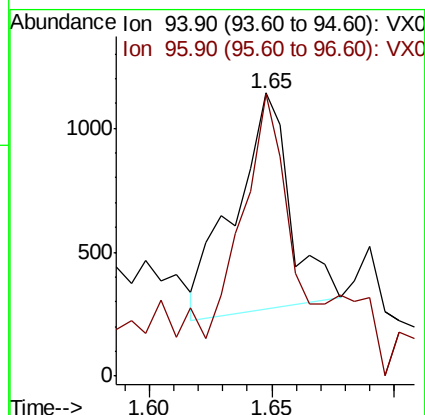
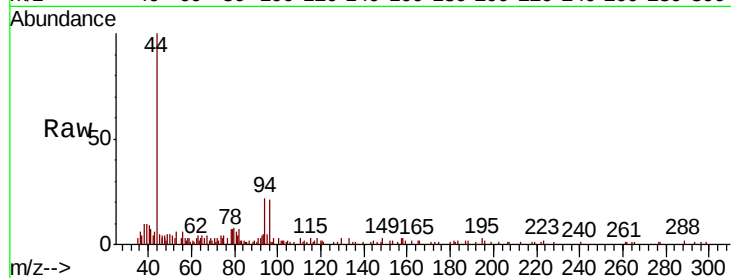
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 1377

Ion Ratio Lower Upper

94 100

96 107.3 73.4 110.2



#13

Acrolein

Concen: 0.606 ug/l

RT: 2.25 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX006784.D

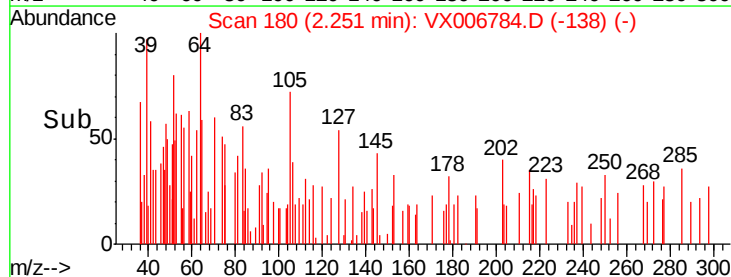
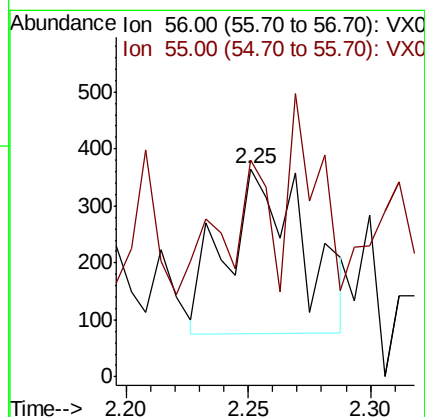
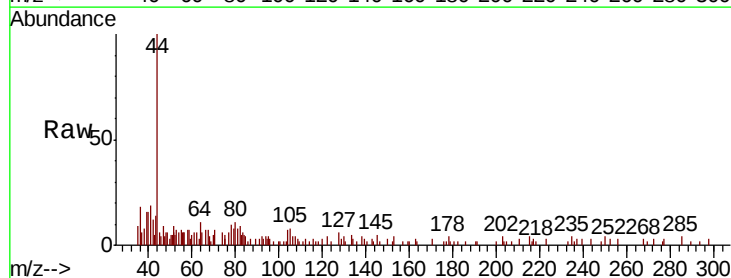
Acq: 24 Dec 2018 10:26

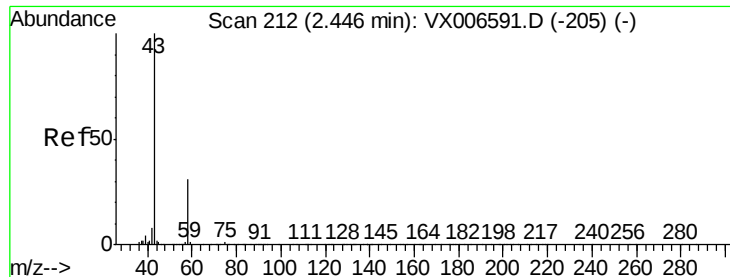
Tgt Ion: 56 Resp: 636

Ion Ratio Lower Upper

56 100

55 47.2 58.2 87.4#

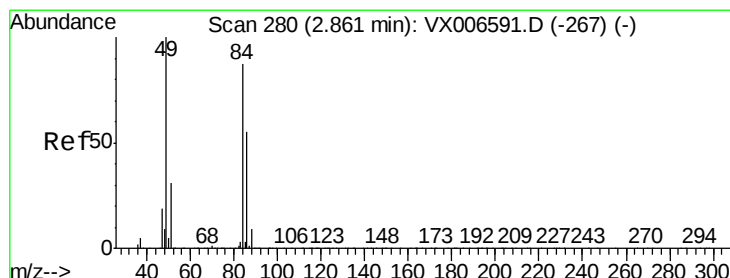
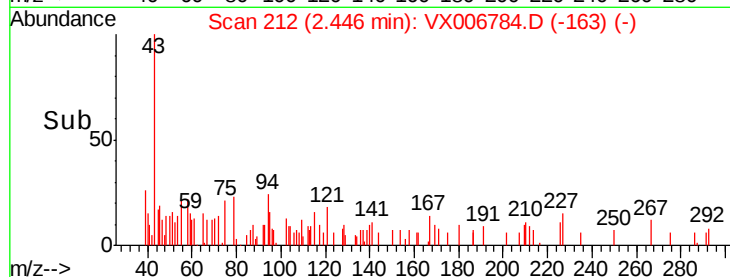
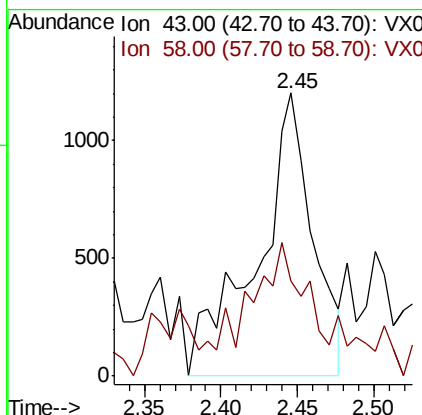
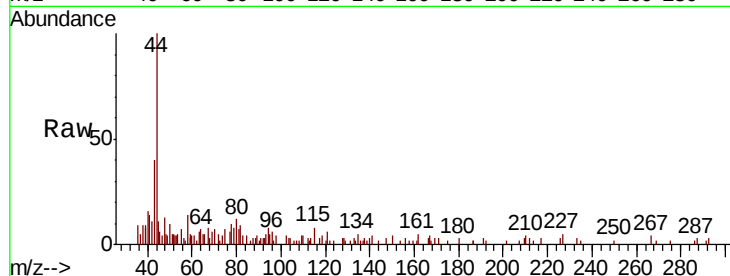




#16
Acetone
Concen: 0.950 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006784.D
Acq: 24 Dec 2018 10:26

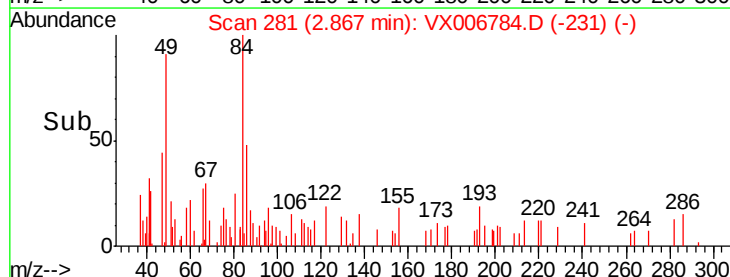
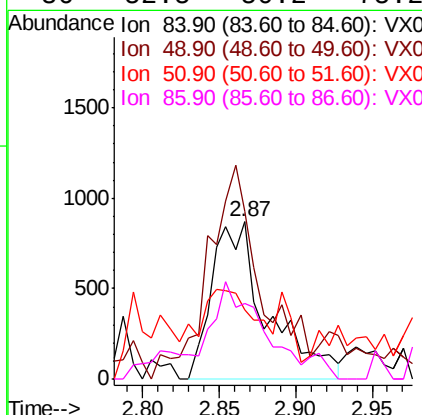
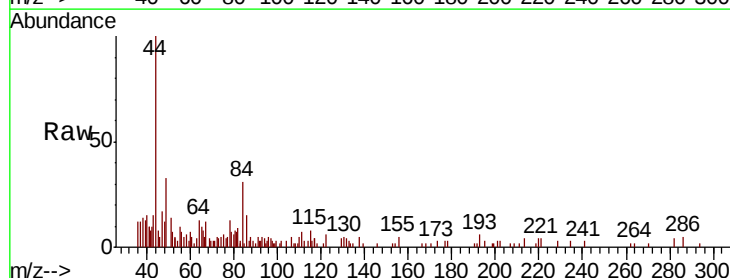
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

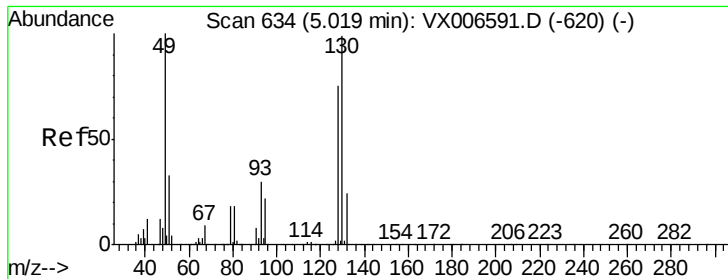
Tot Ion: 43 Resp: 3045
Ion Ratio Lower Upper
43 100
58 16.1 25.0 37.6#



#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006784.D
Acq: 24 Dec 2018 10:26

Tgt Ion: 84 Resp: 2190
Ion Ratio Lower Upper
84 100
49 88.9 91.8 137.6#
51 11.1 28.5 42.7#
86 52.5 50.2 75.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.03 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

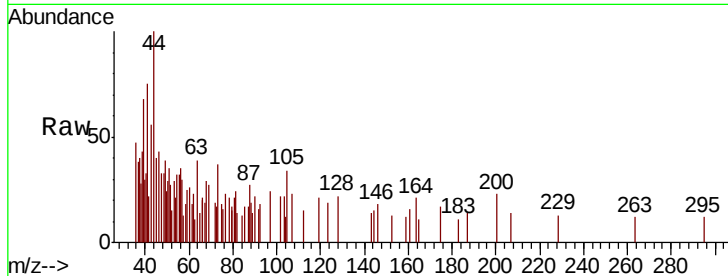
Tot Ion: 49 Resp: 503

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

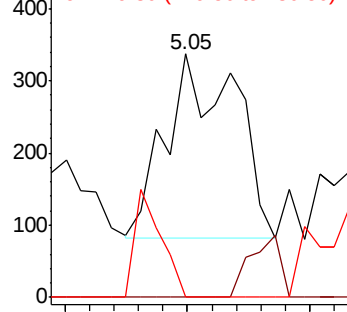
130 22.3 77.7 116.5#



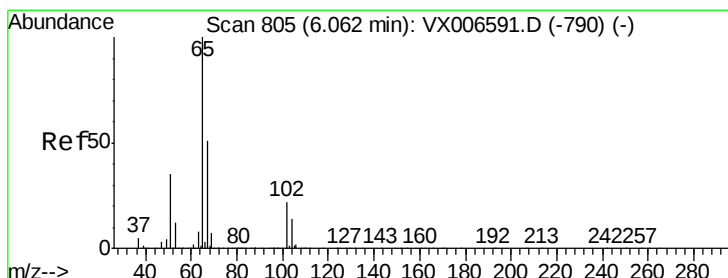
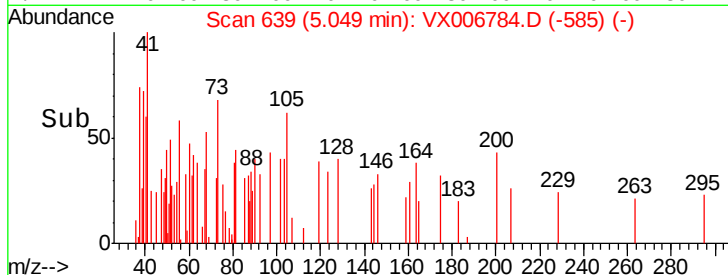
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.292 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006784.D

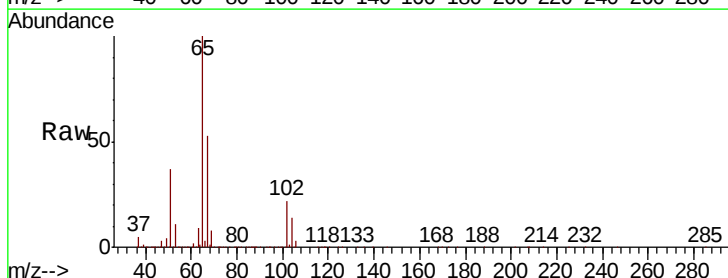
Acq: 24 Dec 2018 10:26

Tgt Ion: 65 Resp: 336825

Ion Ratio Lower Upper

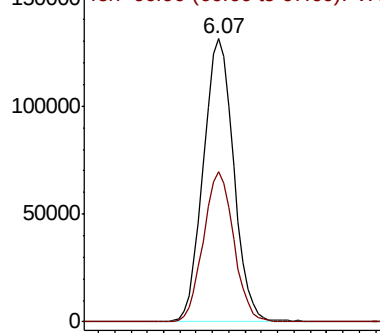
65 100

67 52.8 0.0 105.0

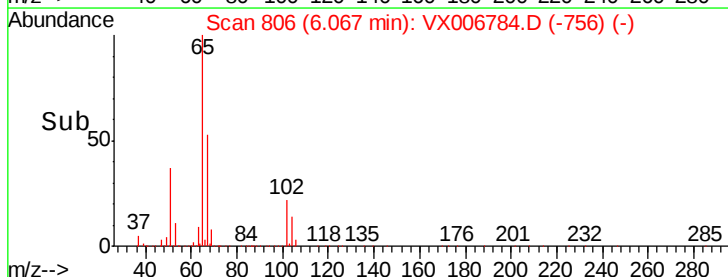


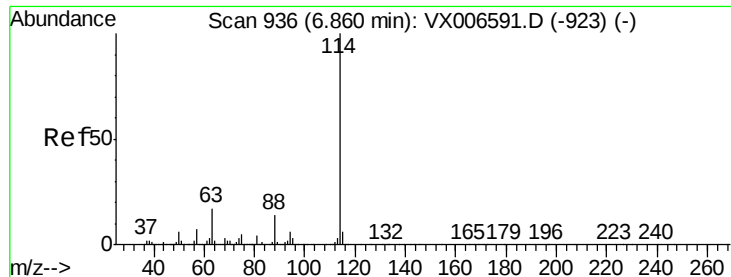
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

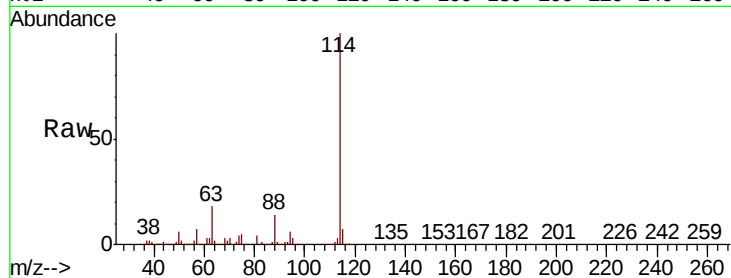
Tot Ion:114 Resp: 982853

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

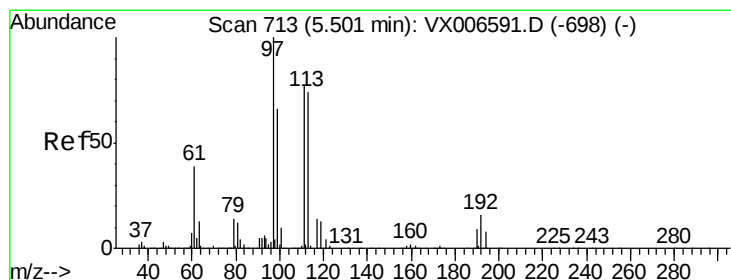
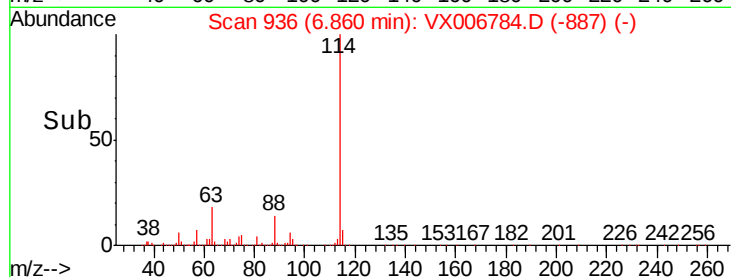
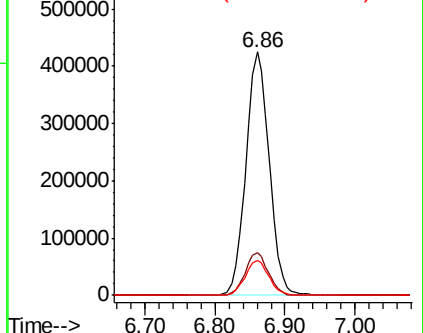
88 14.4 0.0 28.8



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: 47.846 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

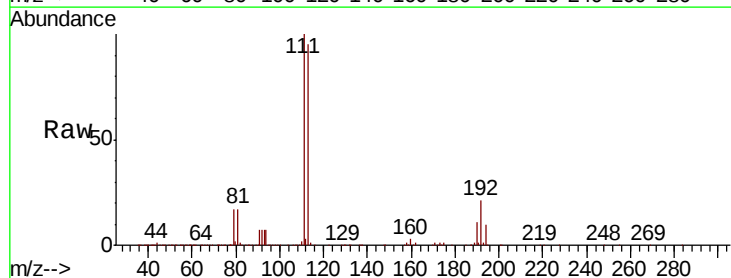
Tgt Ion:113 Resp: 297378

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

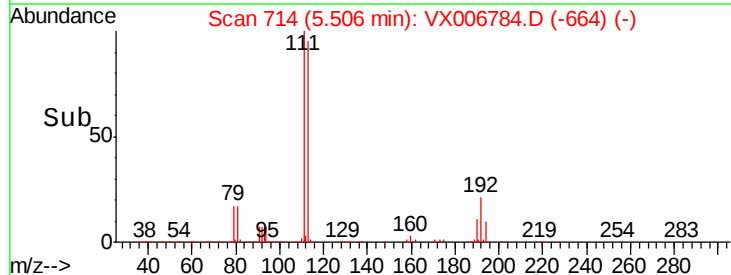
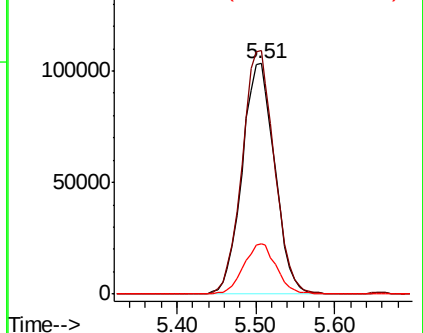
192 21.8 16.7 25.1

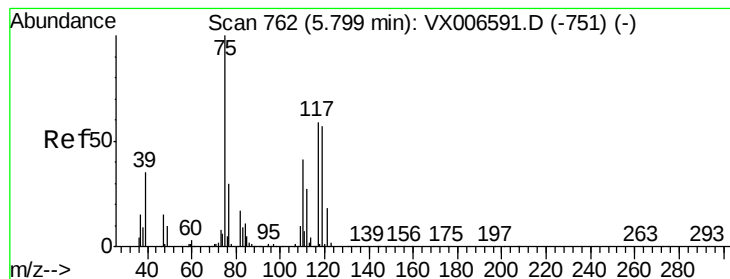


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.116 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

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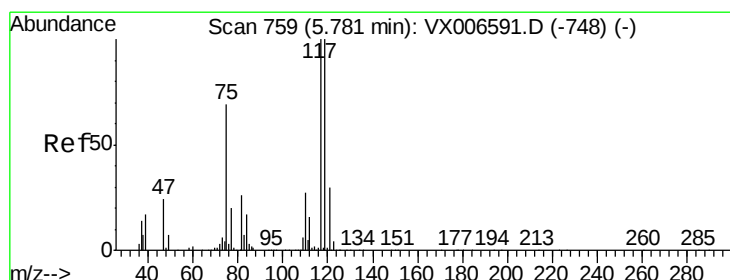
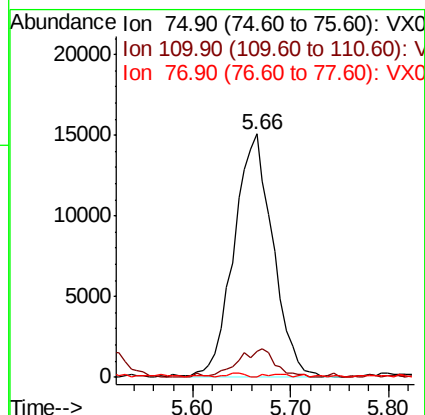
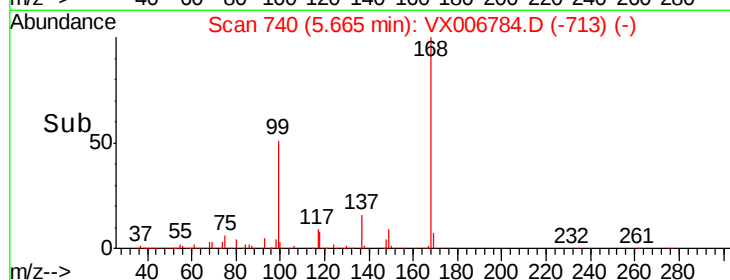
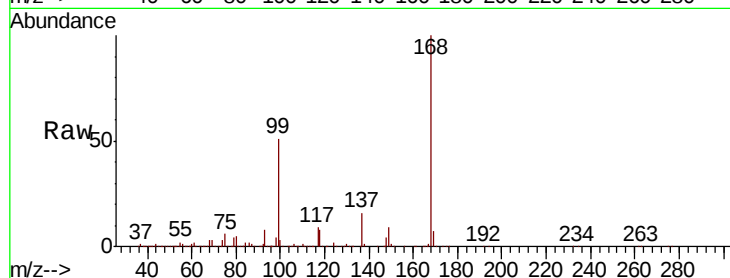
Tot Ion: 75 Resp: 41646

Ion Ratio Lower Upper

75 100

110 11.2 20.2 60.5#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.552 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

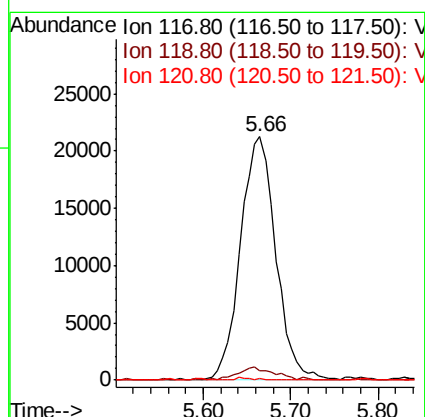
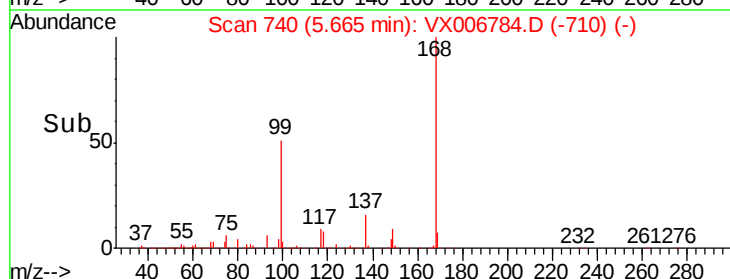
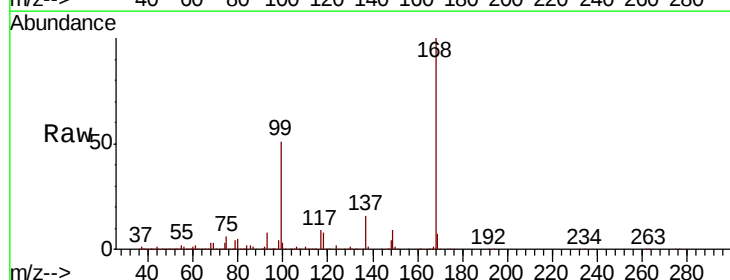
Tgt Ion: 117 Resp: 59746

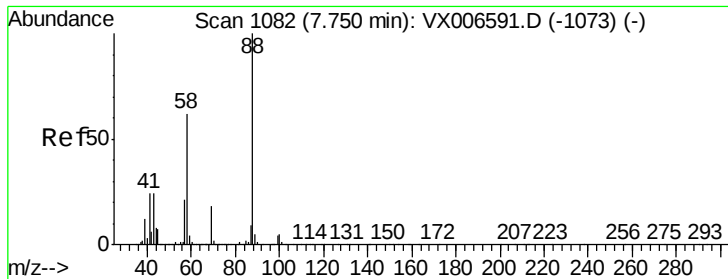
Ion Ratio Lower Upper

117 100

119 3.7 79.4 119.2#

121 0.8 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

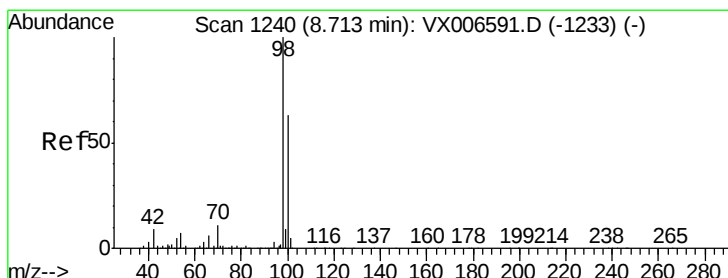
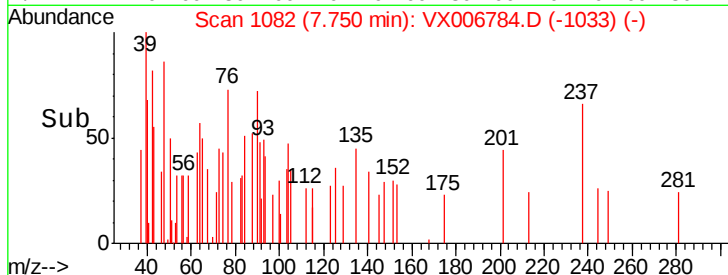
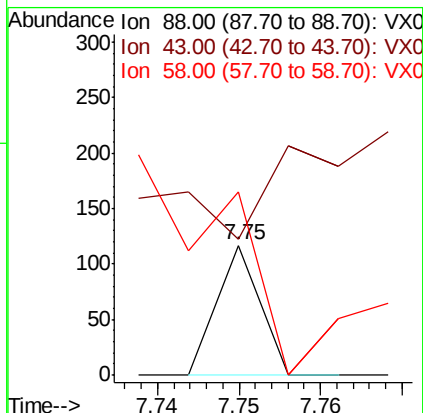
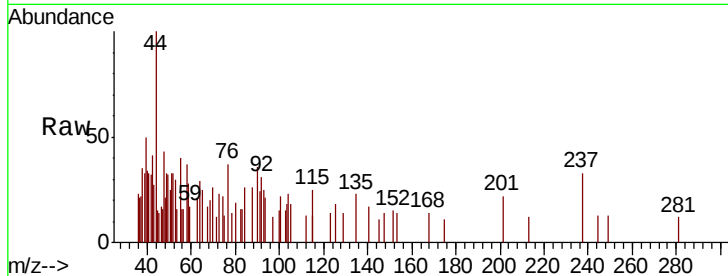
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 569.8 51.0 76.4#



#50

Toluene-d8

Concen: 49.389 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006784.D

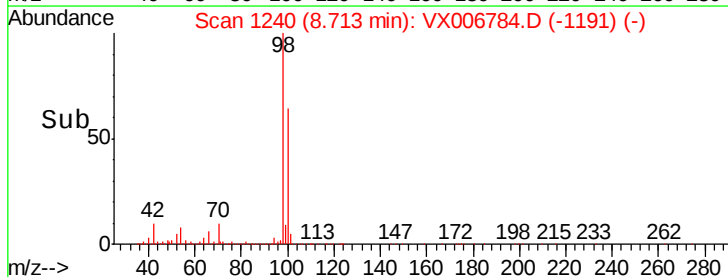
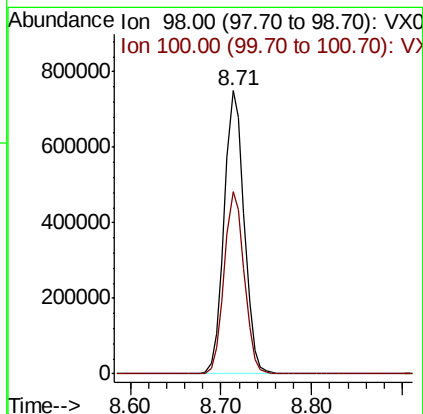
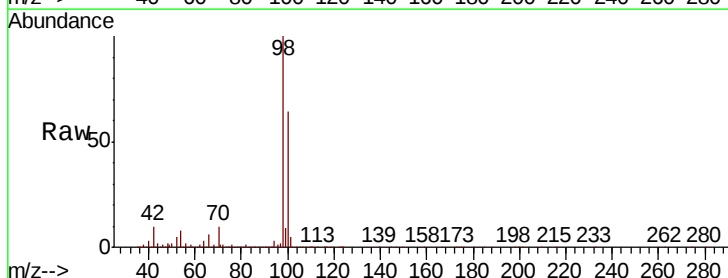
Acq: 24 Dec 2018 10:26

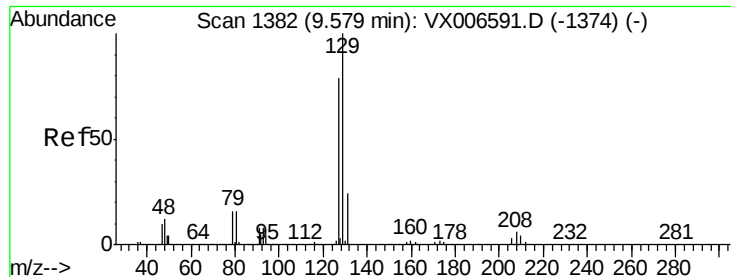
Tgt Ion: 98 Resp: 1157296

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

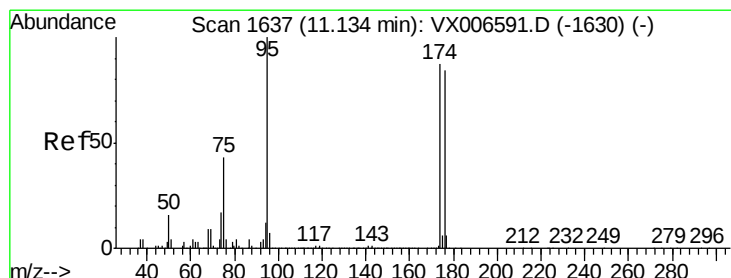
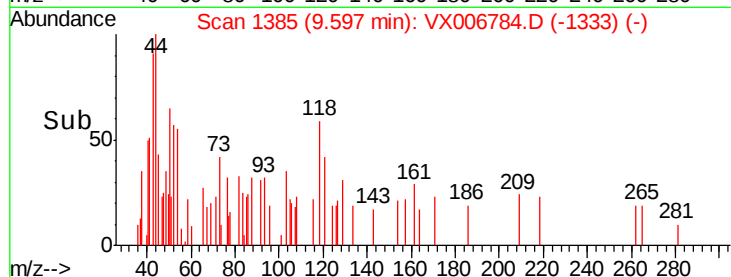
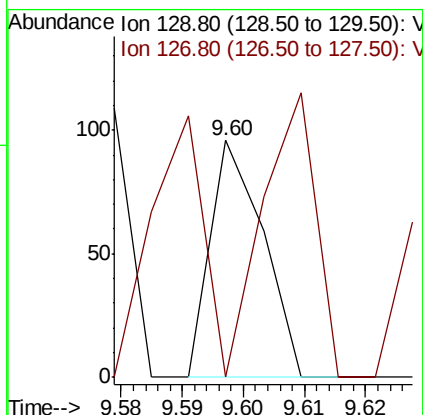
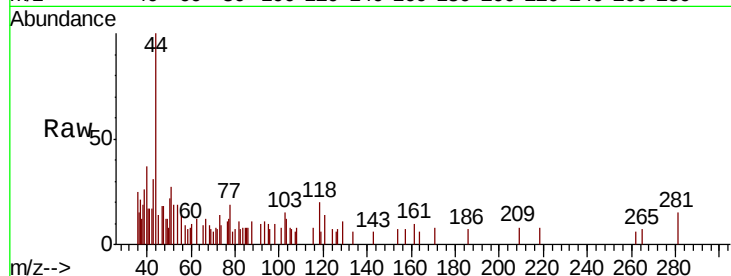




#60
Dibromochloromethane
Concen: 2.332 ug/l
RT: 9.60 min Scan# 1385
Delta R.T. 0.02 min
Lab File: VX006784.D
Acq: 24 Dec 2018 10:26

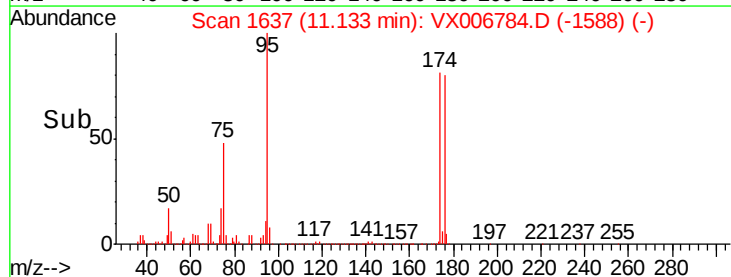
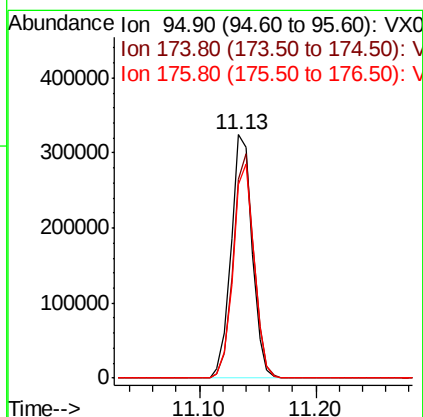
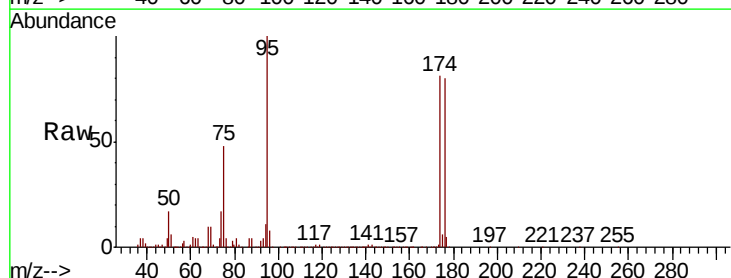
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

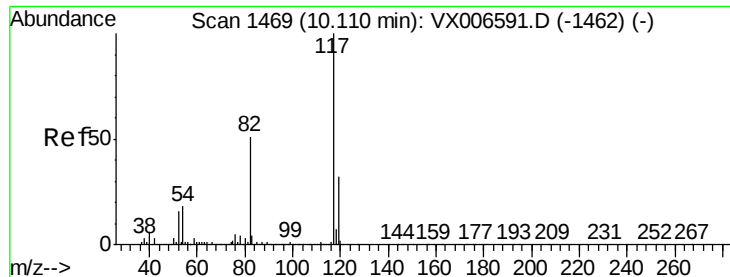
Tot Ion:129 Resp: 57
Ion Ratio Lower Upper
129 100
127 110.5 39.3 117.8



#62
4-Bromofluorobenzene
Concen: 48.142 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006784.D
Acq: 24 Dec 2018 10:26

Tgt Ion: 95 Resp: 413149
Ion Ratio Lower Upper
95 100
174 90.2 0.0 182.2
176 87.4 0.0 178.8

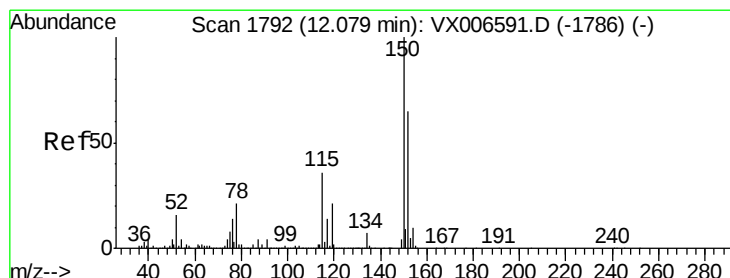
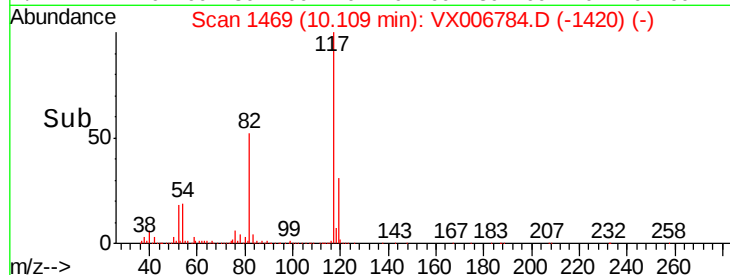
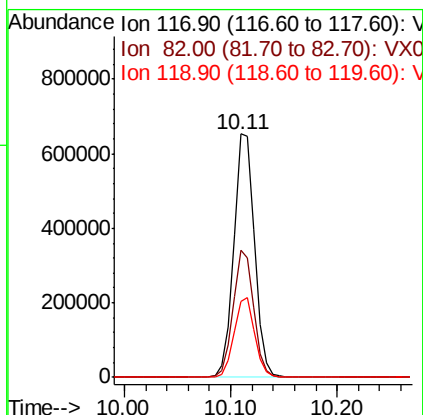
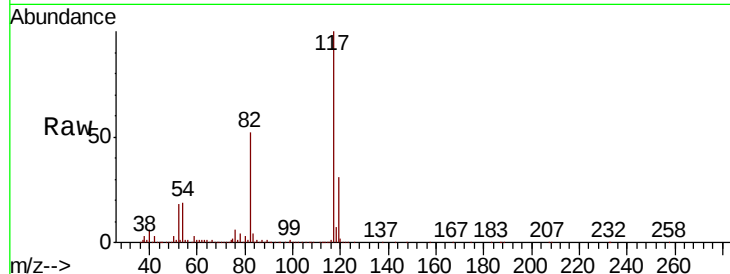




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006784.D
Acq: 24 Dec 2018 10:26

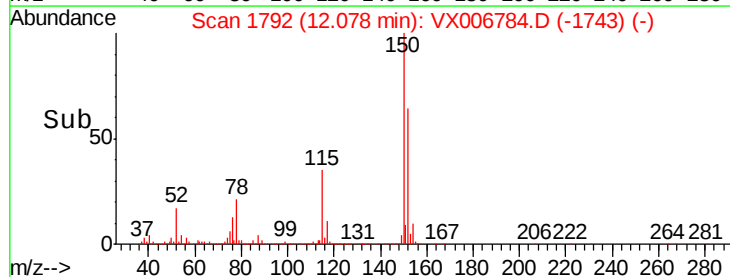
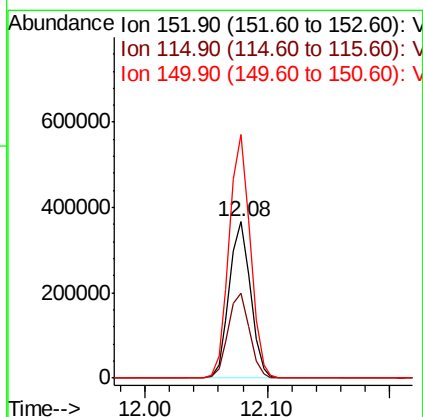
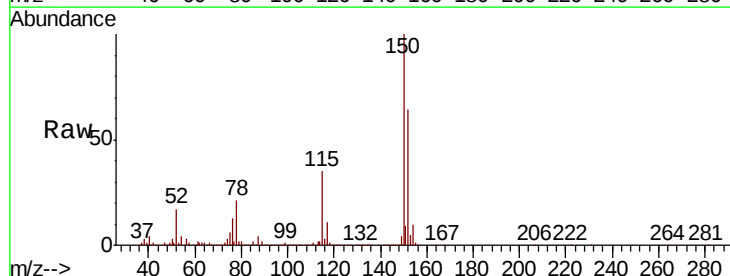
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

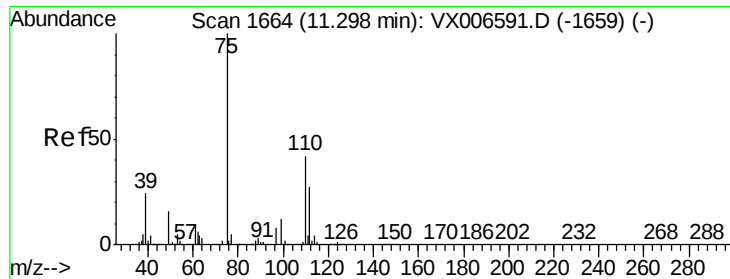
Tot Ion:117 Resp: 897937
Ion Ratio Lower Upper
117 100
82 52.4 41.0 61.6
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006784.D
Acq: 24 Dec 2018 10:26

Tgt Ion:152 Resp: 439722
Ion Ratio Lower Upper
152 100
115 55.1 39.1 117.2
150 154.3 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 23.753 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

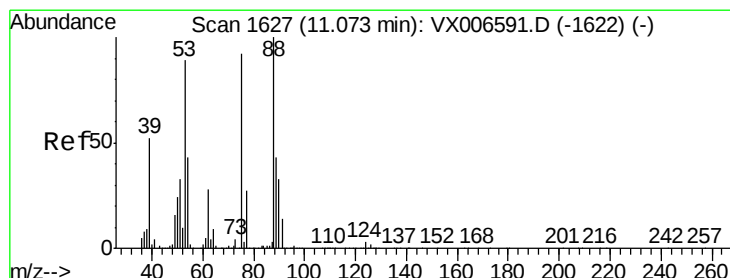
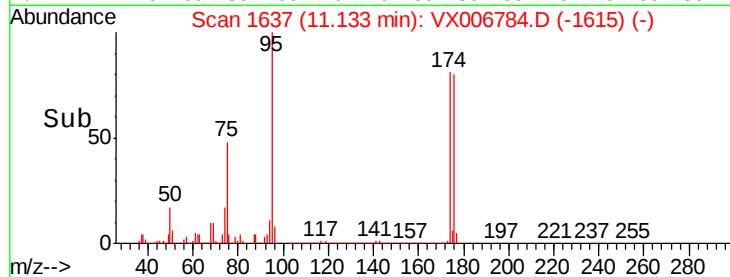
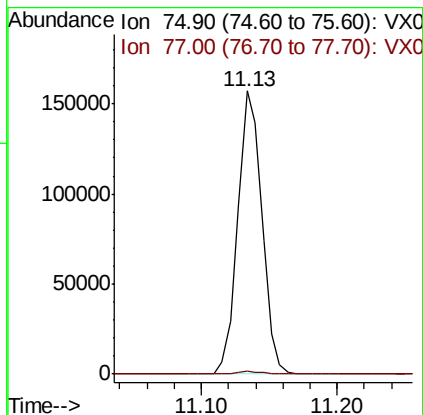
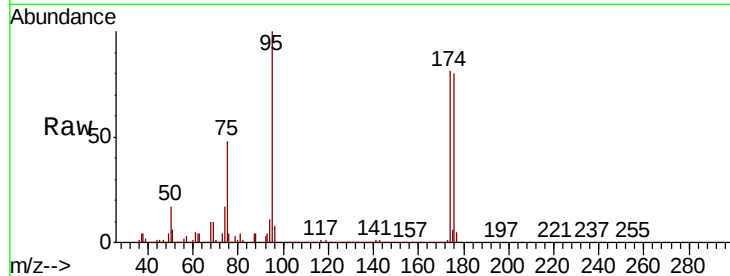
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 194103

Ion Ratio Lower Upper

75 100

77 1.1 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.399 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

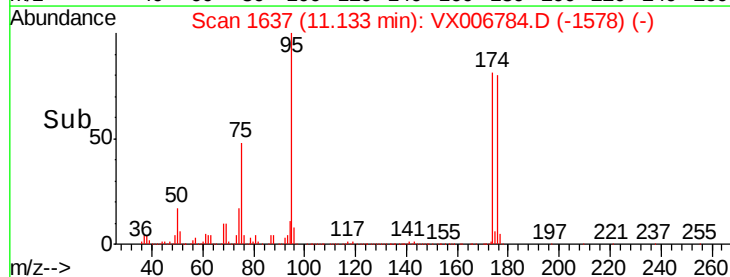
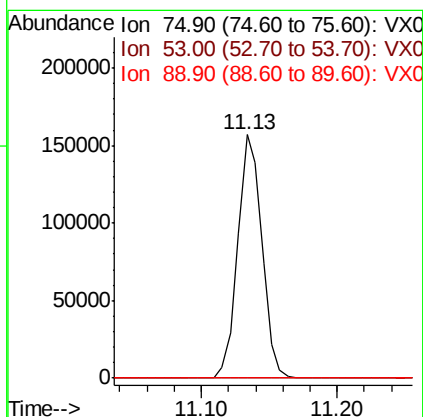
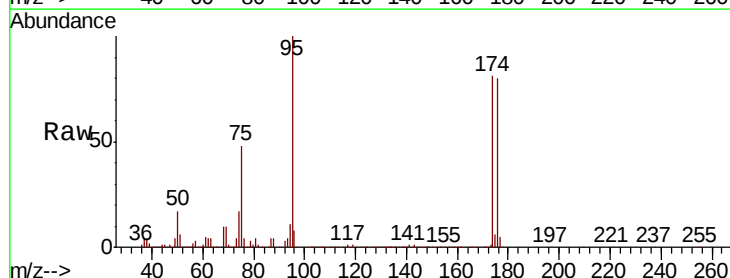
Tgt Ion: 75 Resp: 194103

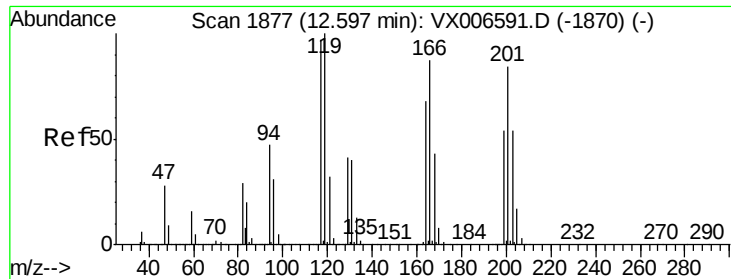
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.314 ug/l

RT: 12.61 min Scan# 1880

Delta R.T. 0.02 min

Lab File: VX006784.D

Acq: 24 Dec 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 91

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

