

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\
 Data File : VX007261.D
 Acq On : 28 Jan 2019 15:32
 Operator : JC/SP
 Sample : K1244-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 29 00:18:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	549958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	839836	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	787183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	385878	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	289580	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	5.51	113	267642	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	8.71	98	998659	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.13	95	360331	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	

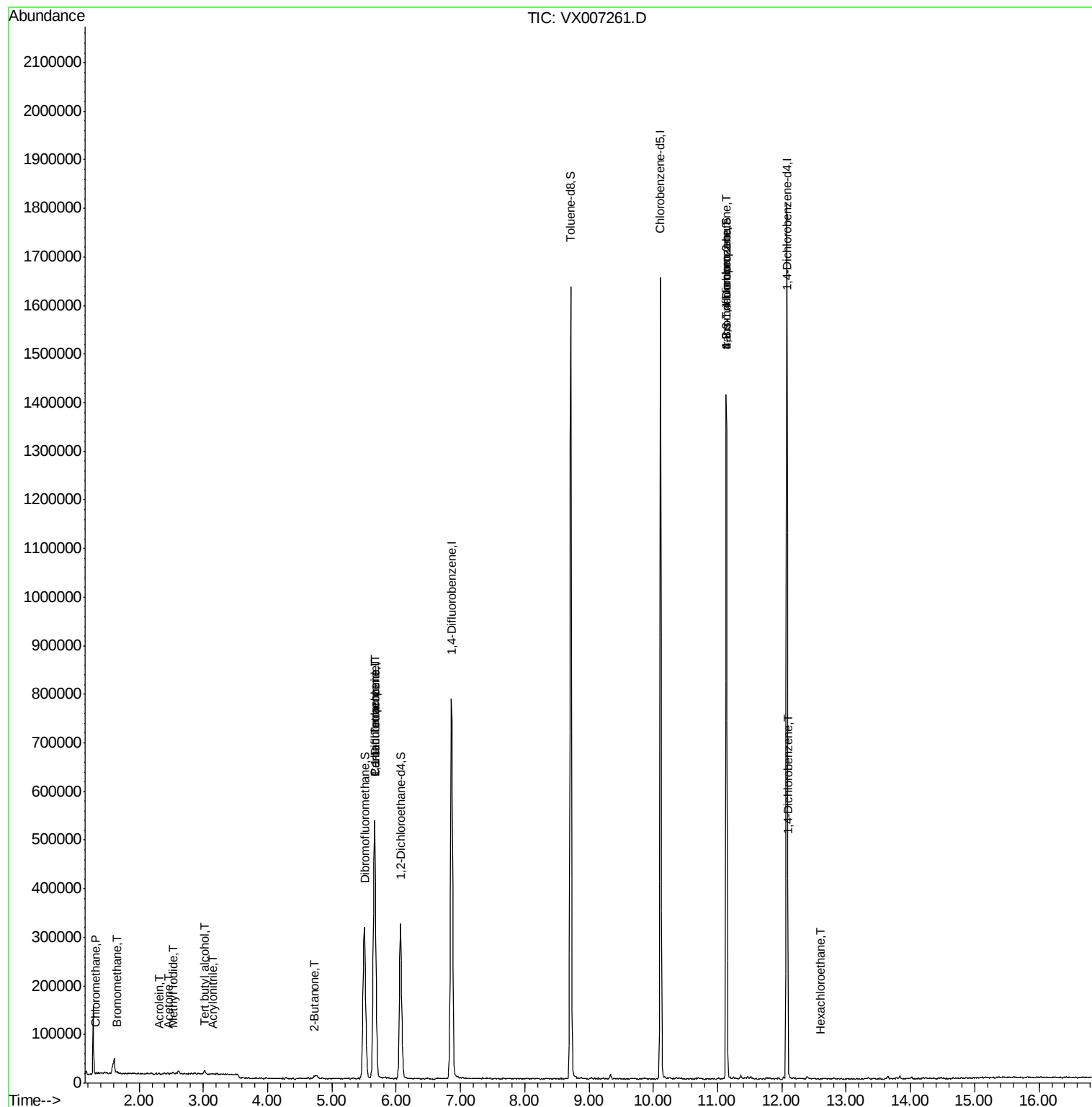
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1264	0.240	ug/l	96
5) Bromomethane	1.65	94	1700	0.281	ug/l #	59
10) Methyl Iodide	2.53	142	2695	0.365	ug/l #	94
11) Tert butyl alcohol	3.02	59	5018	3.701	ug/l #	82
13) Acrolein	2.31	56	455	3.853	ug/l #	54
15) Acrylonitrile	3.15	53	954	0.307	ug/l #	72
16) Acetone	2.45	43	3732	1.313	ug/l #	79
20) Methylene Chloride	2.86	84	1683	Below Cal		94
25) 2-Butanone	4.72	43	947	0.233	ug/l	93
36) 1,1-Dichloropropene	5.66	75	34609	4.740	ug/l #	48
38) Carbon Tetrachloride	5.67	117	50255	6.841	ug/l #	15
49) 1,4-Dioxane	7.75	88	181	Below Cal	#	27
76) 1,2,3-Trichloropropane	11.13	75	172886	22.109	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	172886	65.457	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	1639	0.272	ug/l #	1
90) Hexachloroethane	12.59	117	53	2.921	ug/l	82

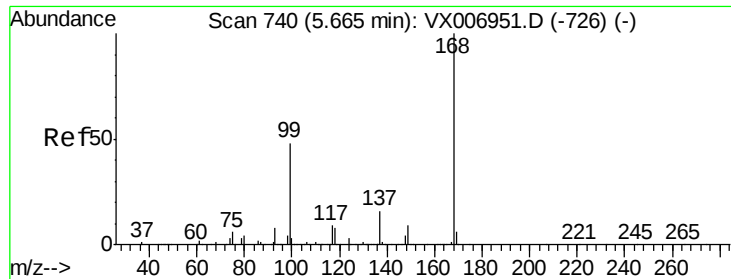
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

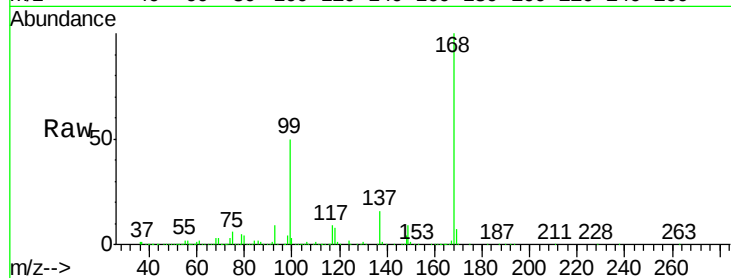
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 549958

Ion Ratio Lower Upper

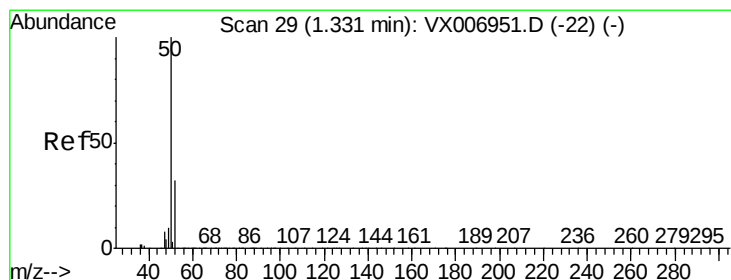
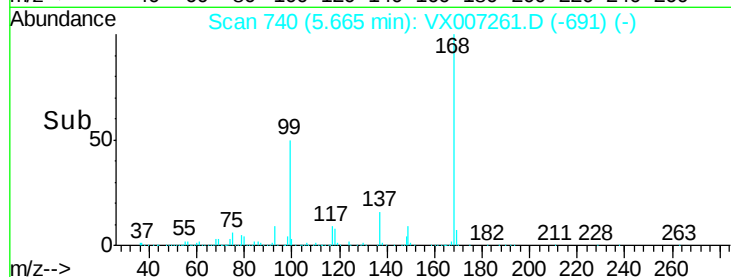
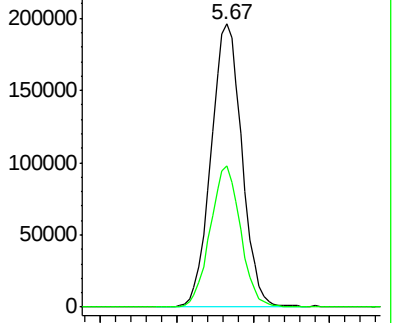
168 100

99 49.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.240 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007261.D

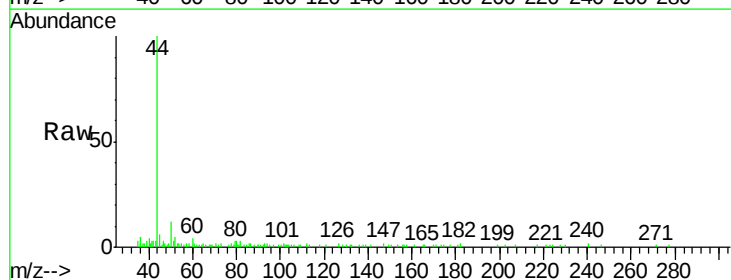
Acq: 28 Jan 2019 15:32

Tgt Ion: 50 Resp: 1264

Ion Ratio Lower Upper

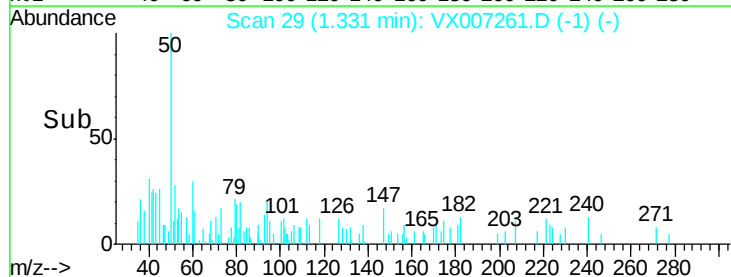
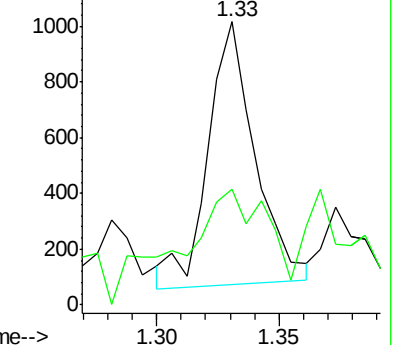
50 100

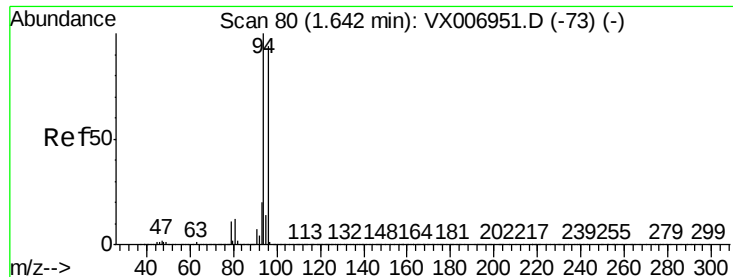
52 29.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.281 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

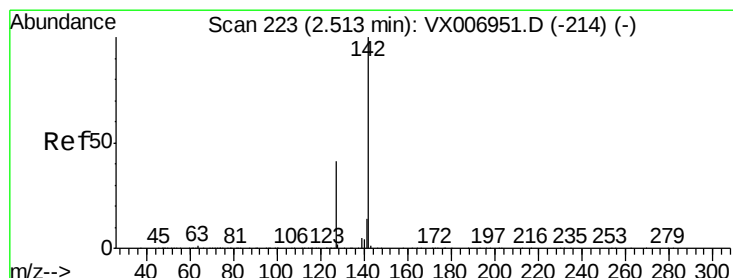
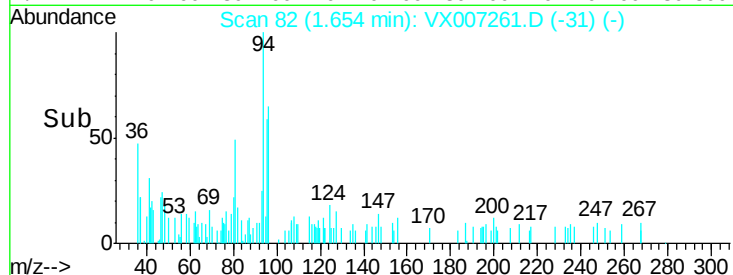
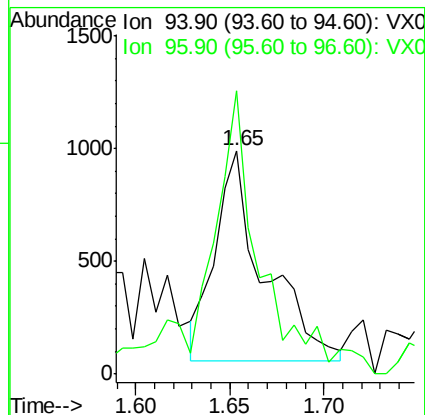
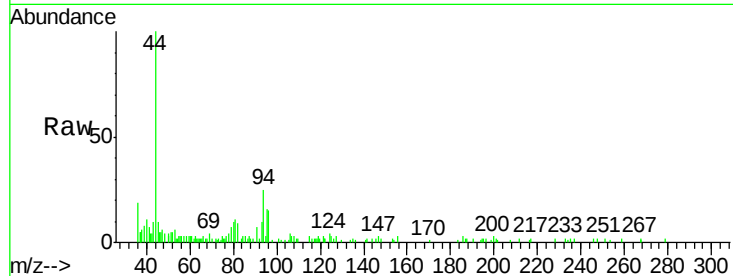
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 1700

Ion Ratio Lower Upper

94 100

96 130.5 73.4 110.2#



#10

Methyl Iodide

Concen: 0.365 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.01 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

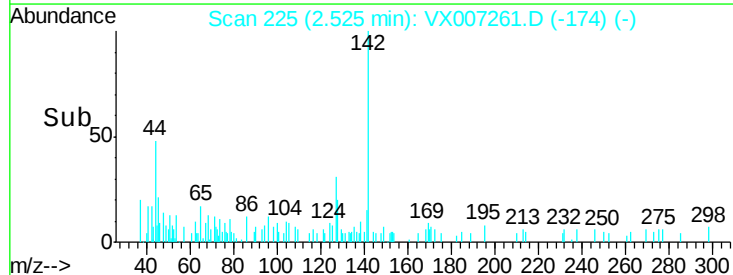
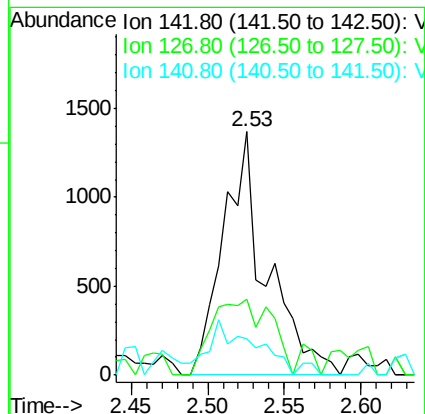
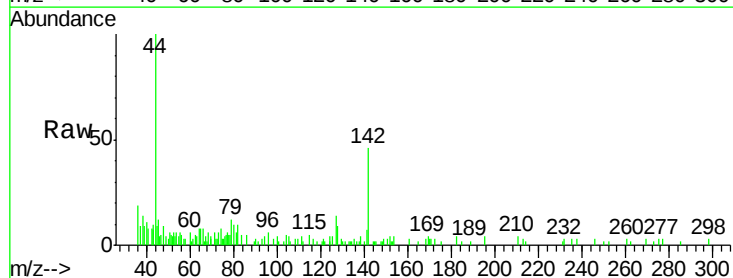
Tgt Ion: 142 Resp: 2695

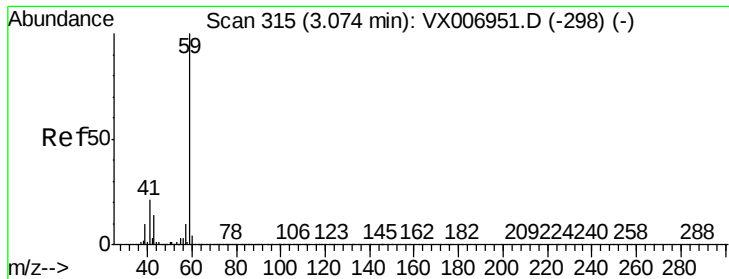
Ion Ratio Lower Upper

142 100

127 42.4 33.9 50.9

141 23.2 11.4 17.0#



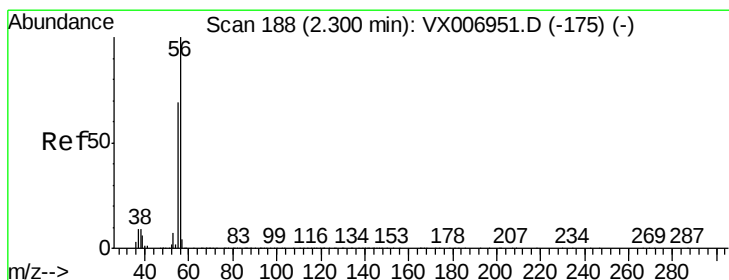
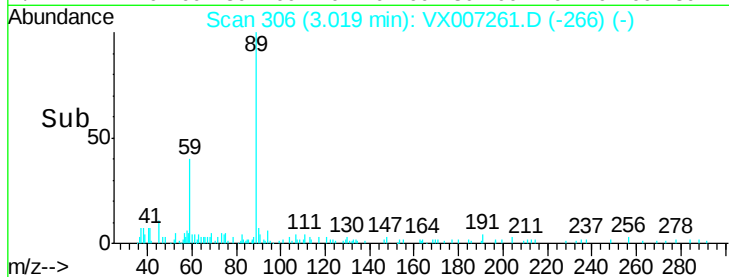
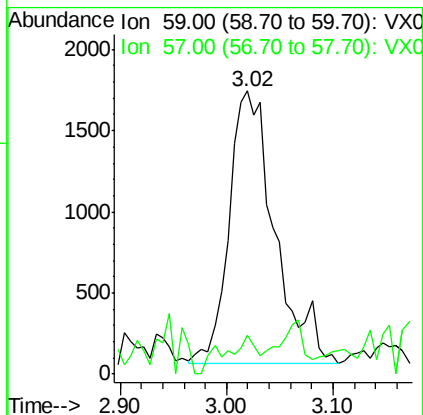
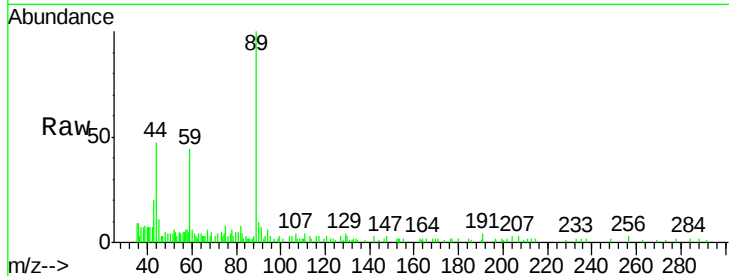


#11

Tert butyl alcohol
 Concen: 3.701 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX007261.D
 Acq: 28 Jan 2019 15:32

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

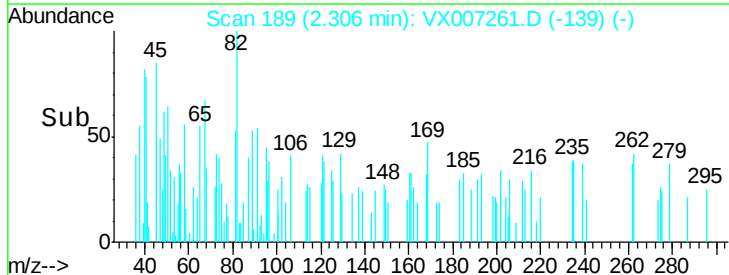
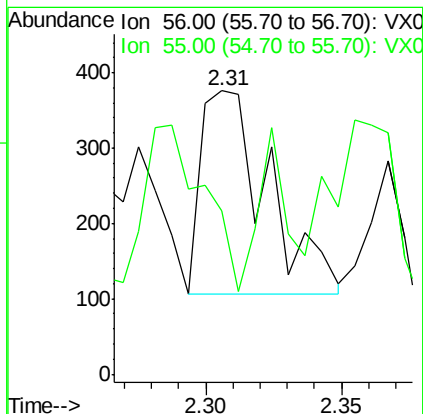
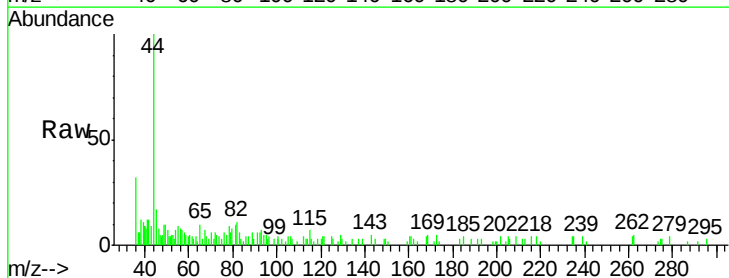
Tot Ion: 59 Resp: 5018
 Ion Ratio Lower Upper
 59 100
 57 3.8 8.5 12.7#

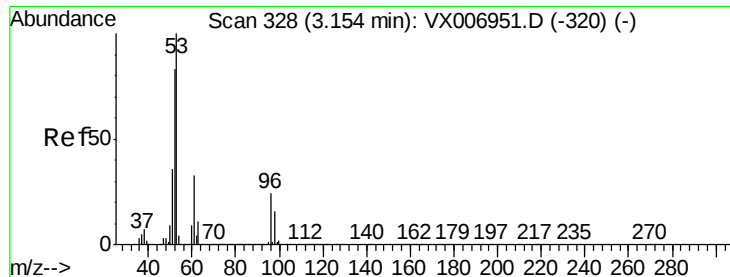


#13

Acrolein
 Concen: 3.853 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX007261.D
 Acq: 28 Jan 2019 15:32

Tgt Ion: 56 Resp: 455
 Ion Ratio Lower Upper
 56 100
 55 34.3 58.2 87.4#





#15

Acrylonitrile

Concen: 0.307 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

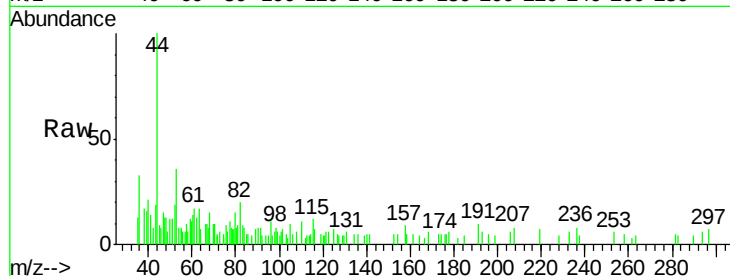
Tot Ion: 53 Resp: 954

Ion Ratio Lower Upper

53 100

52 106.7 66.0 99.0#

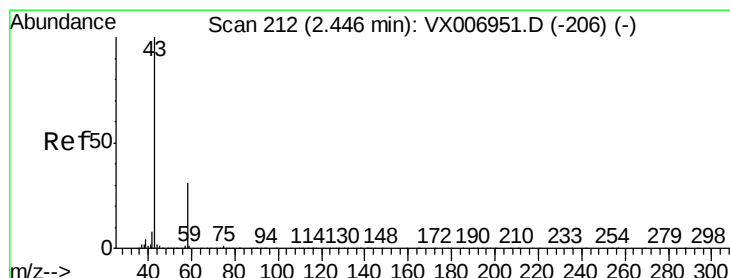
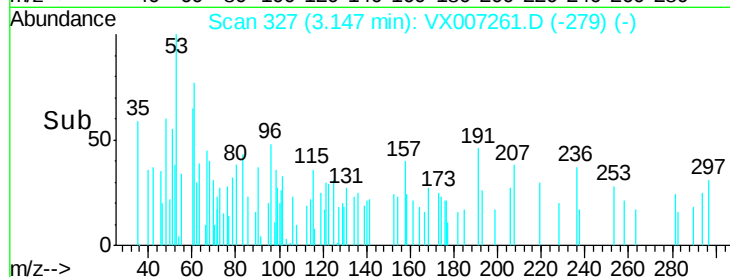
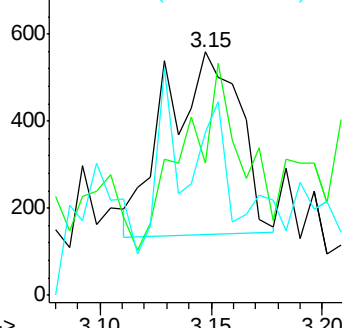
51 18.1 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.313 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007261.D

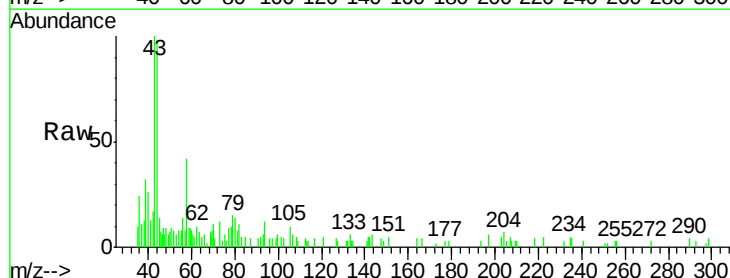
Acq: 28 Jan 2019 15:32

Tgt Ion: 43 Resp: 3732

Ion Ratio Lower Upper

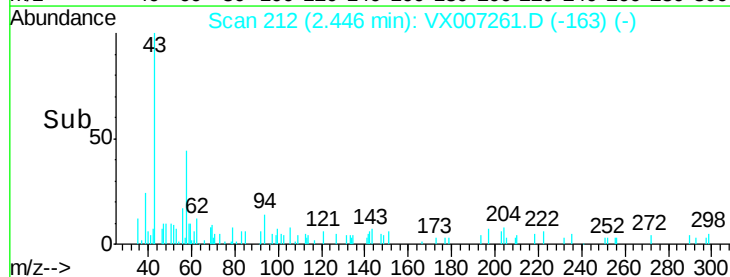
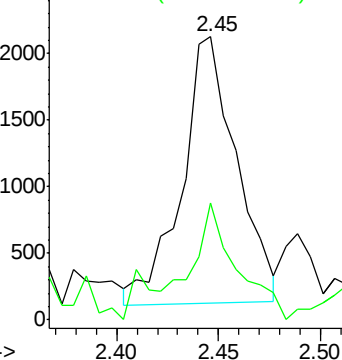
43 100

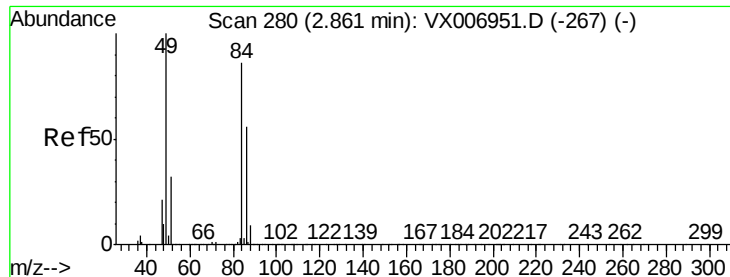
58 42.9 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion: 84 Resp: 1683

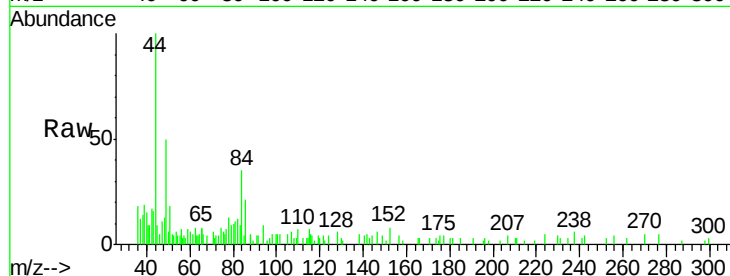
Ion Ratio Lower Upper

84 100

49 125.3 91.8 137.6

51 35.2 28.5 42.7

86 64.9 50.2 75.2

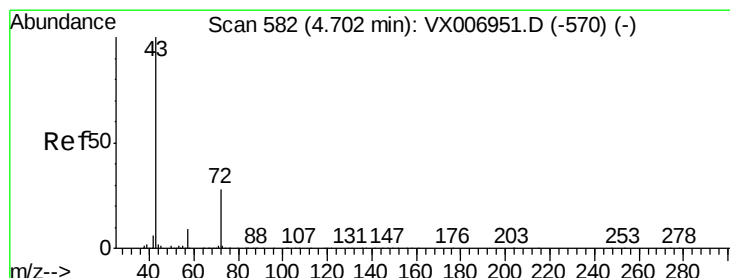
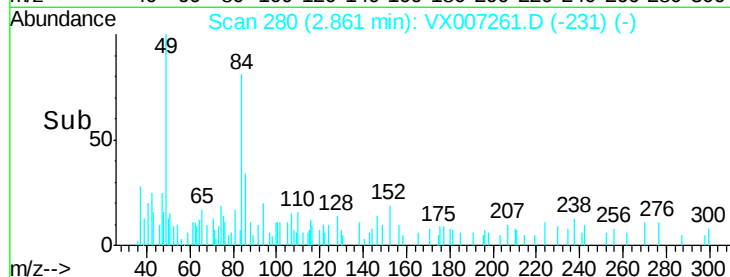
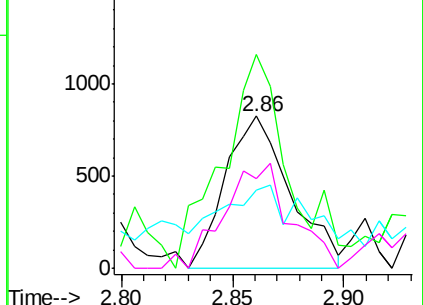


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.233 ug/l

RT: 4.72 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX007261.D

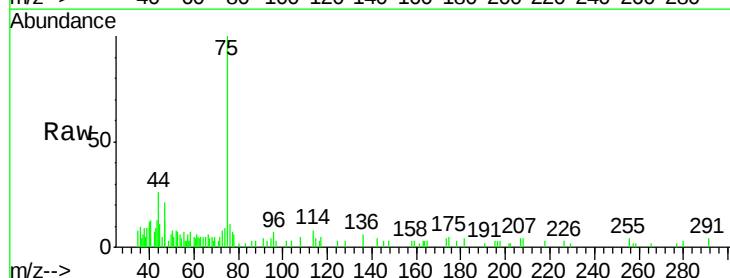
Acq: 28 Jan 2019 15:32

Tgt Ion: 43 Resp: 947

Ion Ratio Lower Upper

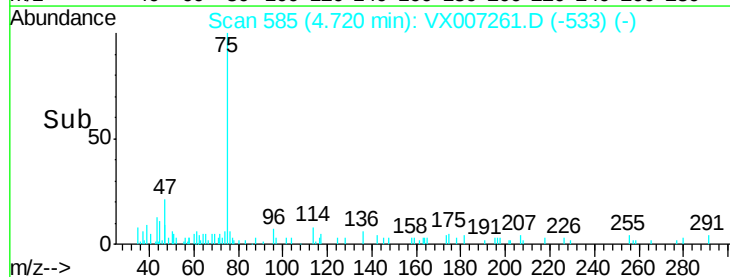
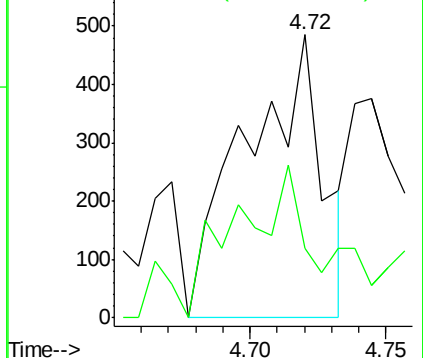
43 100

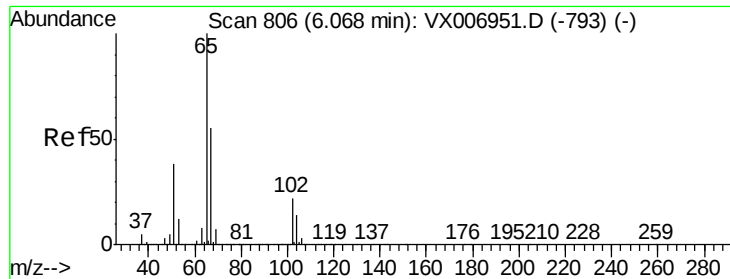
72 24.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

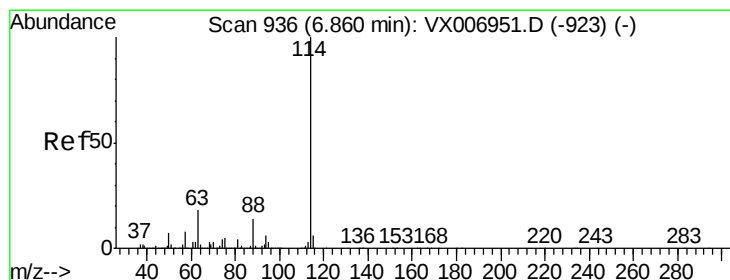
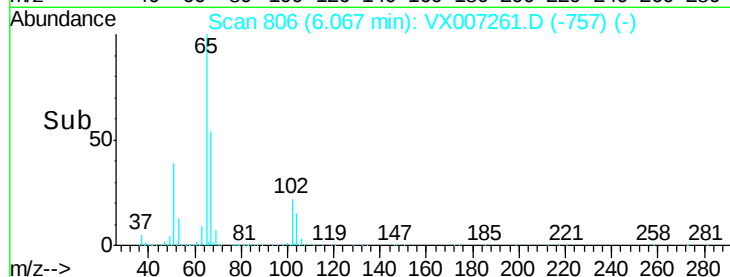
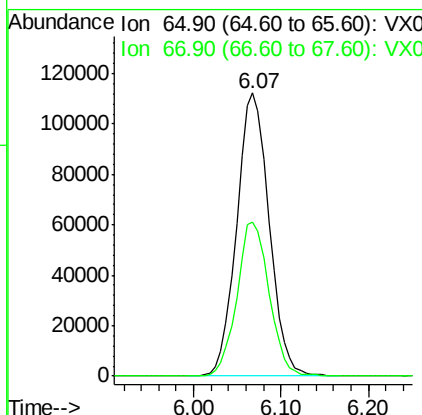
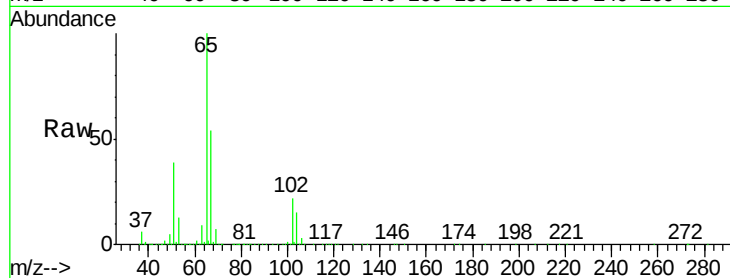




#33
 1,2-Dichloroethane-d4
 Concen: 50.383 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007261.D
 Acq: 28 Jan 2019 15:32

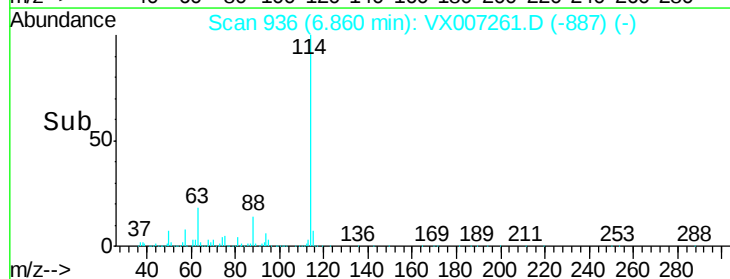
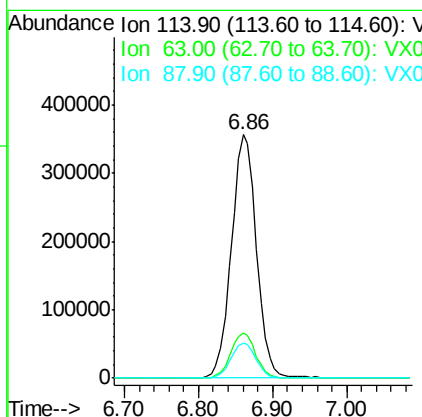
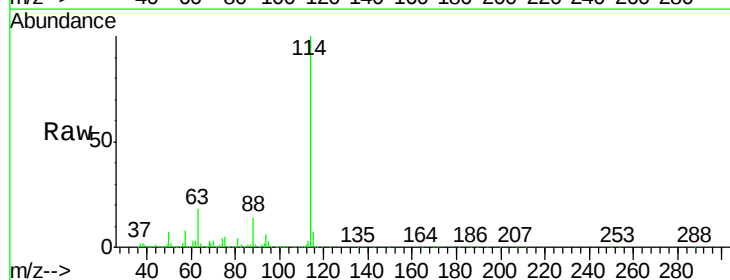
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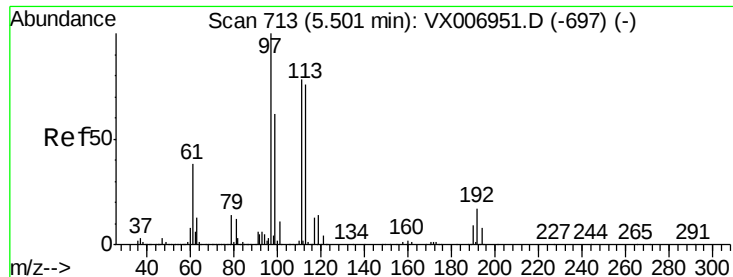
Tot Ion: 65 Resp: 289580
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007261.D
 Acq: 28 Jan 2019 15:32

Tgt Ion: 114 Resp: 839836
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.8
 88 14.5 0.0 28.8

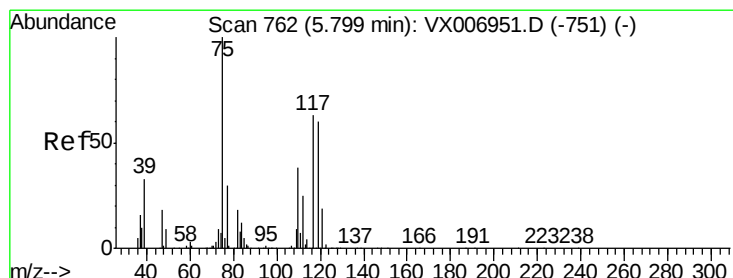
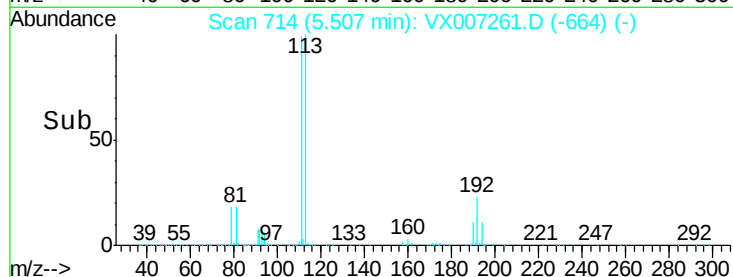
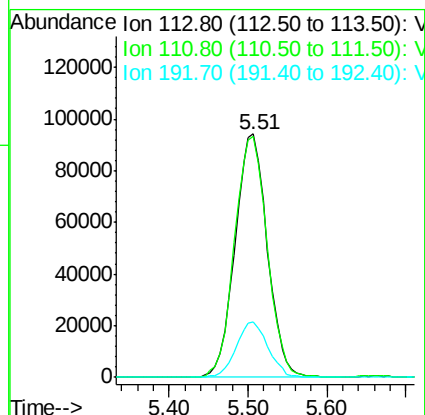
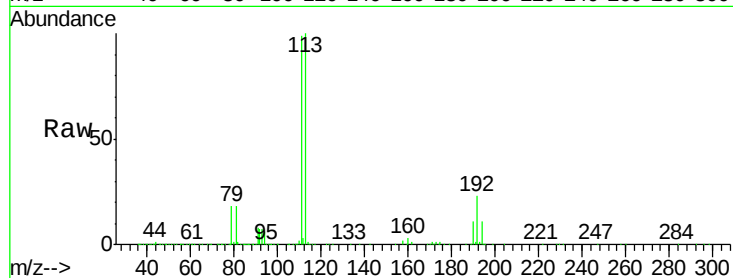




#35
 Dibromofluoromethane
 Concen: 49.764 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007261.D
 Acq: 28 Jan 2019 15:32

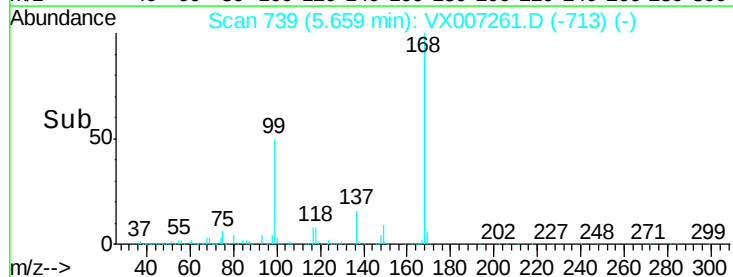
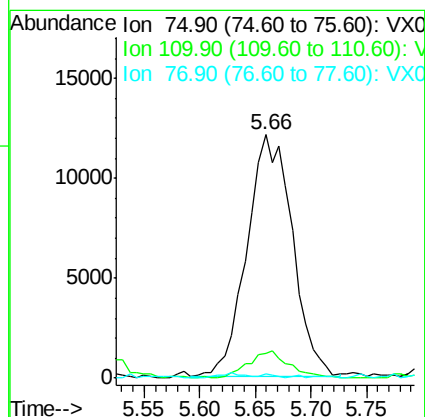
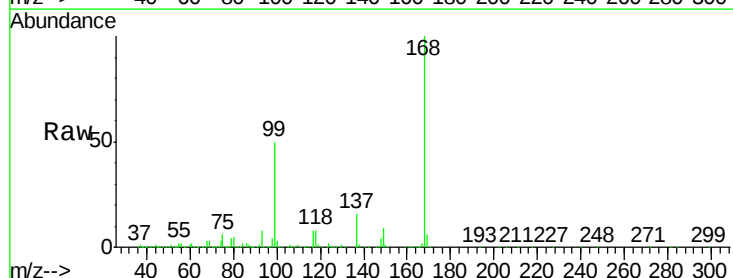
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

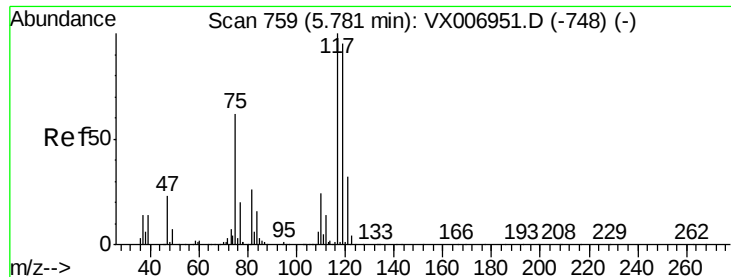
Tot Ion:113 Resp: 267642
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.6 122.4
 192 22.5 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.740 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007261.D
 Acq: 28 Jan 2019 15:32

Tgt Ion: 75 Resp: 34609
 Ion Ratio Lower Upper
 75 100
 110 10.0 20.2 60.5#
 77 0.4 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.841 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

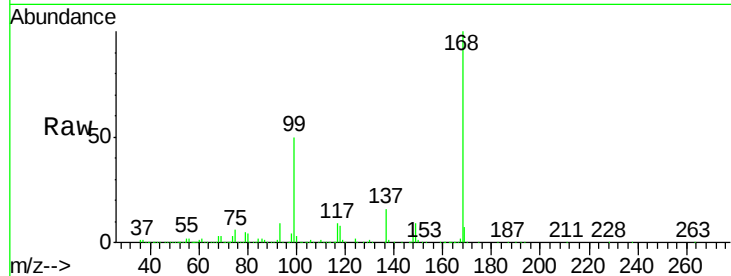
Tot Ion:117 Resp: 50255

Ion Ratio Lower Upper

117 100

119 5.8 79.4 119.2#

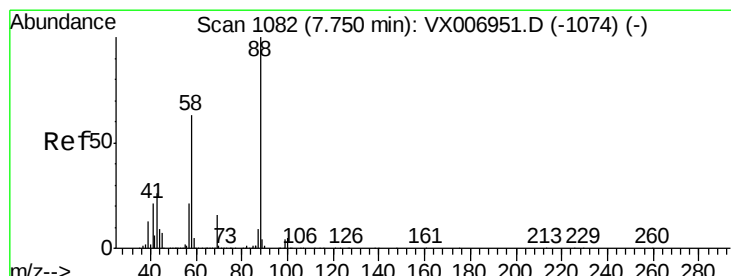
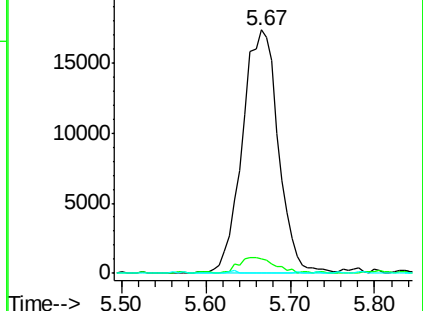
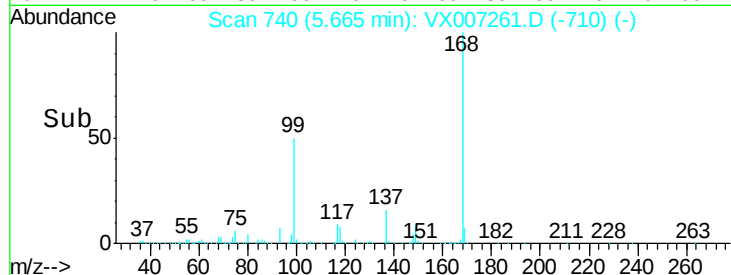
121 0.0 24.0 36.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

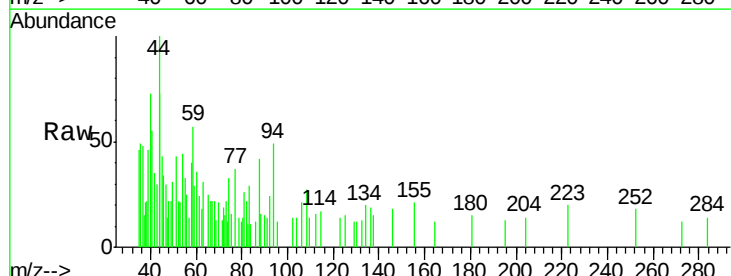
Tgt Ion: 88 Resp: 181

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

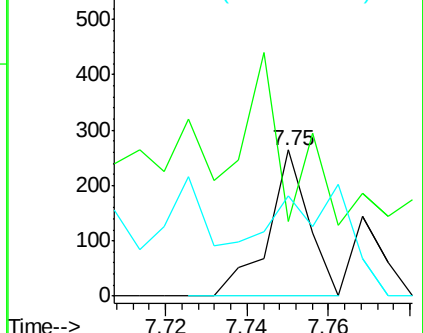
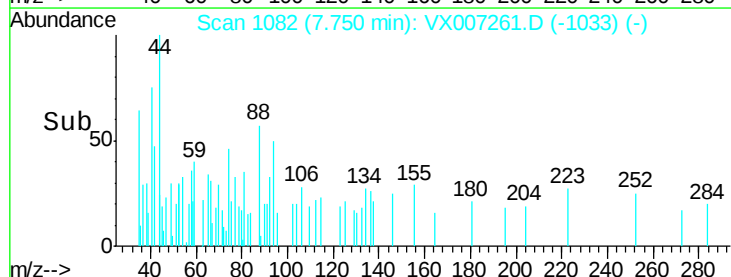
58 0.0 51.0 76.4#

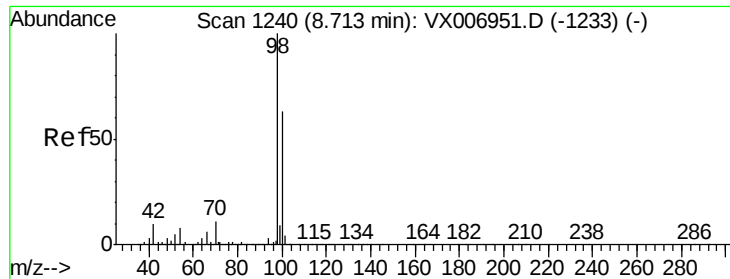


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.729 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

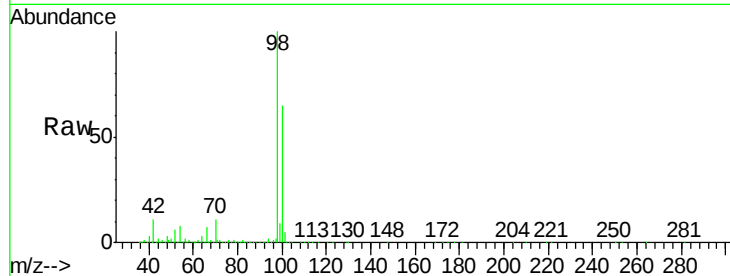
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 998659

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

600000

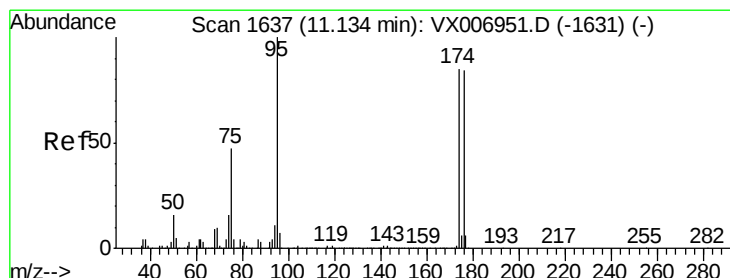
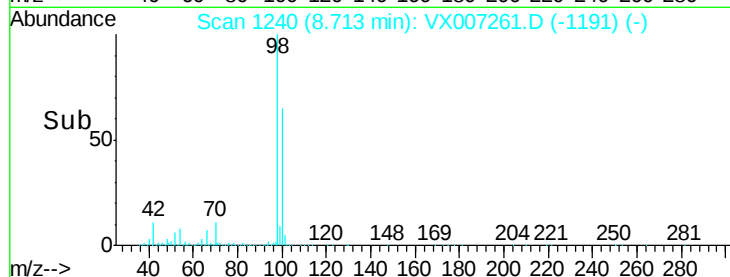
400000

200000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 52.503 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

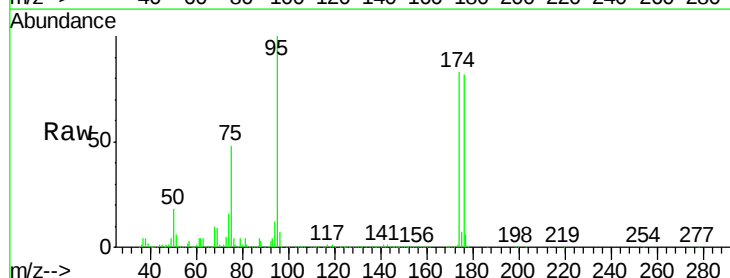
Tgt Ion: 95 Resp: 360331

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.2

176 90.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

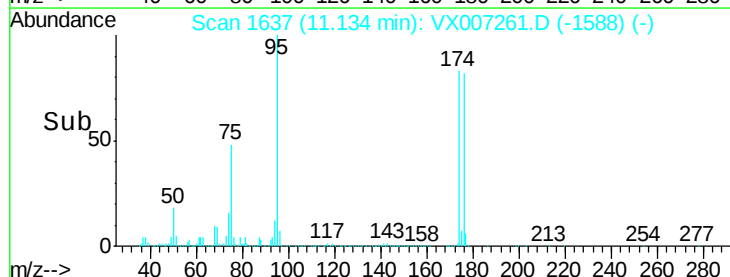
200000

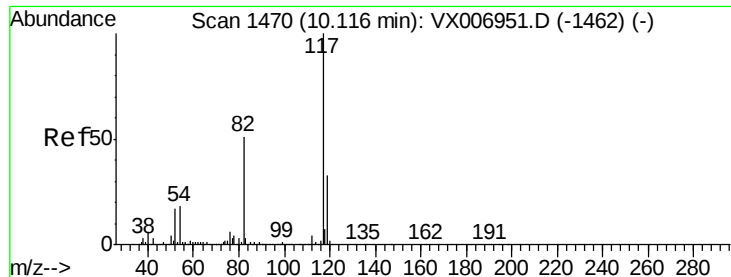
100000

0

11.00 11.10 11.20

Time-->

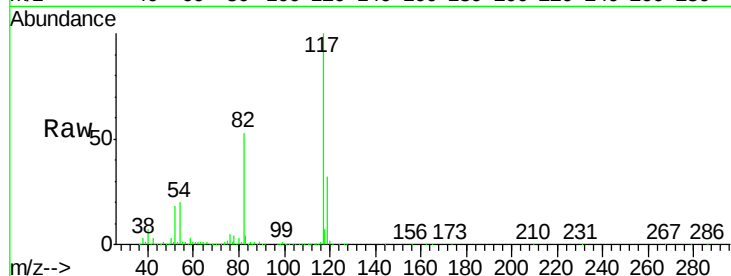




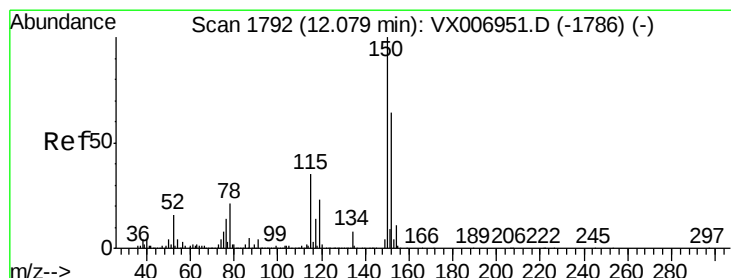
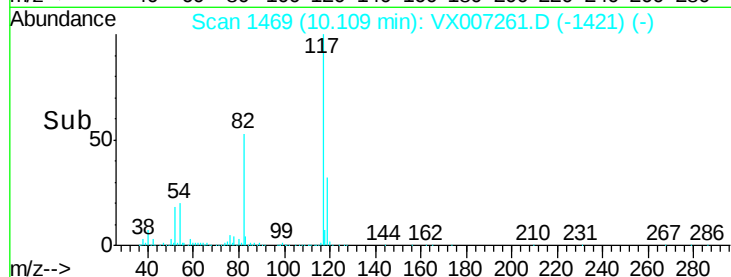
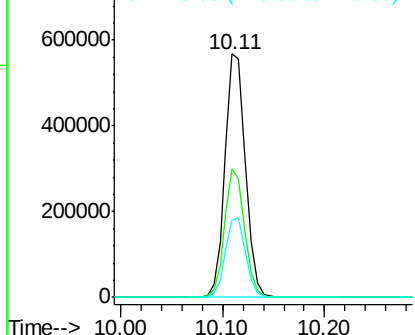
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007261.D
Acq: 28 Jan 2019 15:32

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

Tot Ion:117 Resp: 787183
Ion Ratio Lower Upper
117 100
82 52.9 41.0 61.6
119 31.7 25.4 38.0

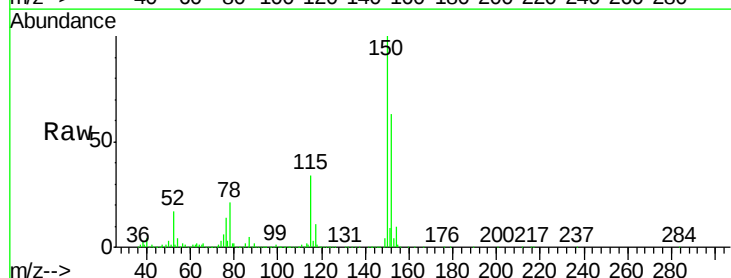


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

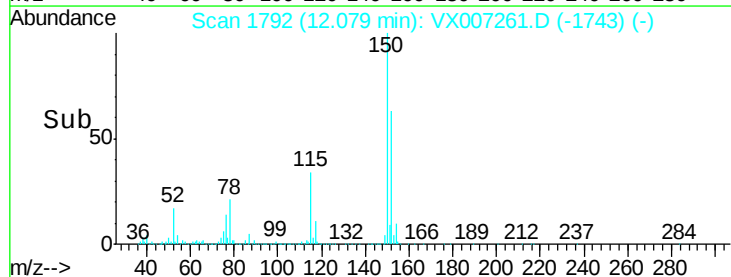
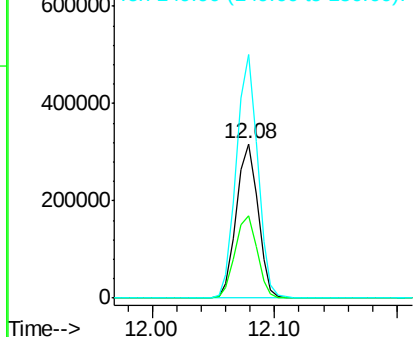


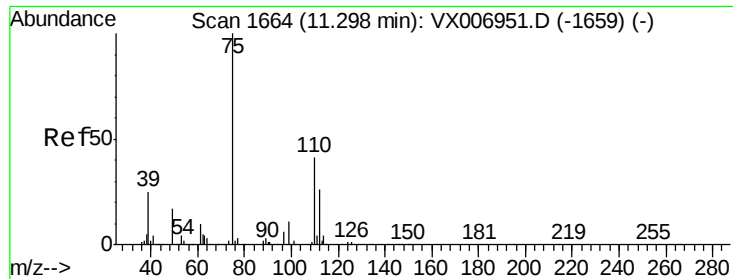
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007261.D
Acq: 28 Jan 2019 15:32

Tgt Ion:152 Resp: 385878
Ion Ratio Lower Upper
152 100
115 54.7 39.1 117.2
150 155.6 0.0 344.8



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





#76

1,2,3-Trichloropropane

Concen: 22.109 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

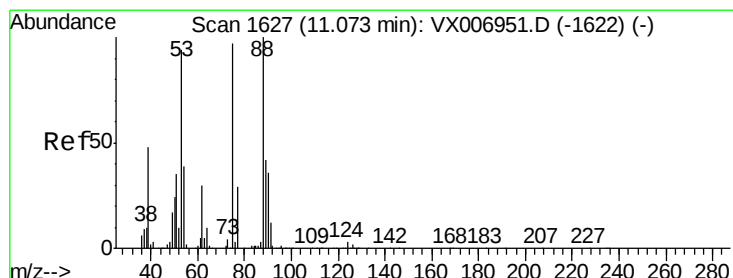
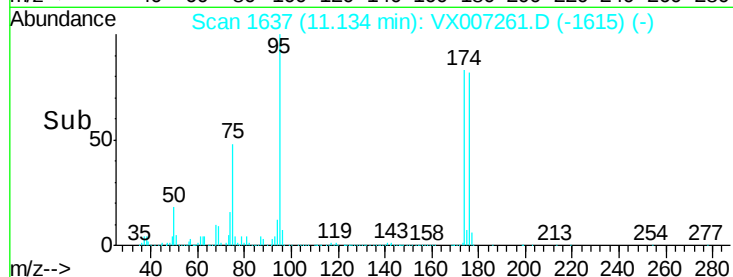
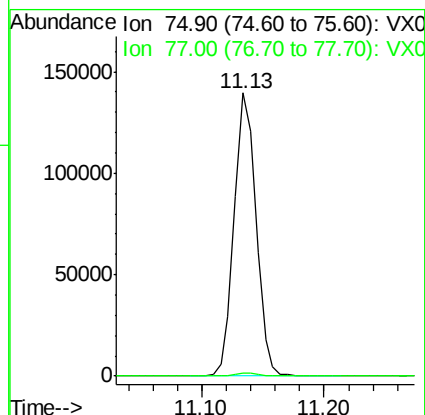
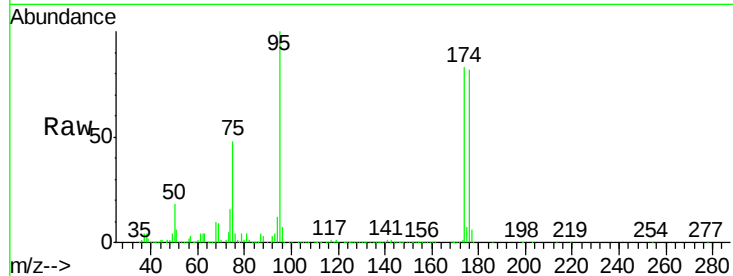
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 172886

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

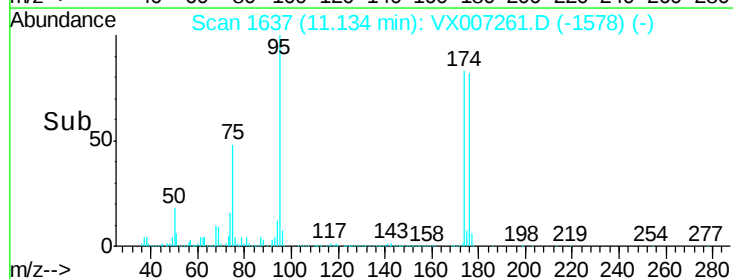
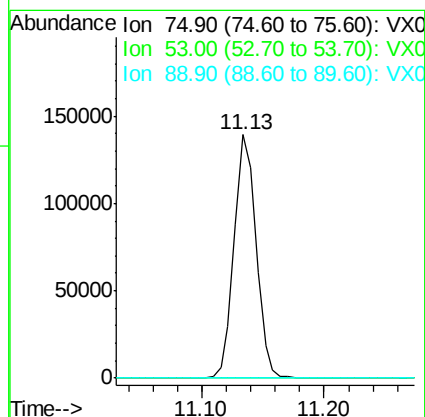
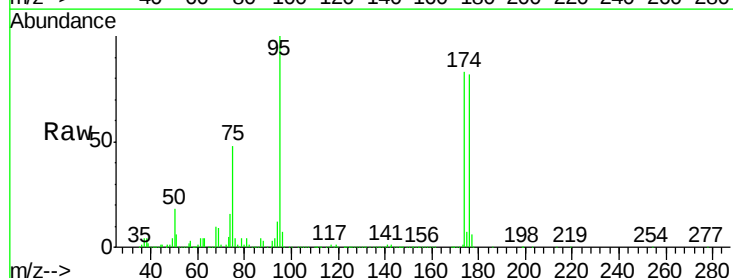
Tgt Ion: 75 Resp: 172886

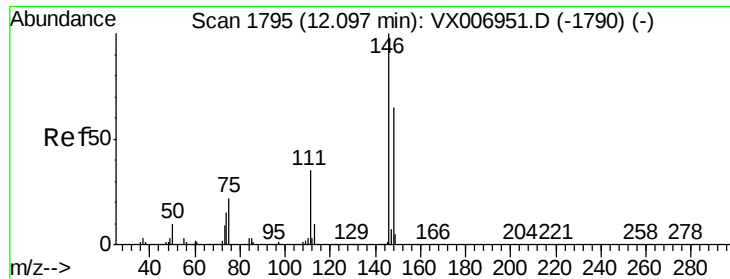
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.0 38.0 57.0#





#88

1,4-Dichlorobenzene

Concen: 0.272 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007261.D

Acq: 28 Jan 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

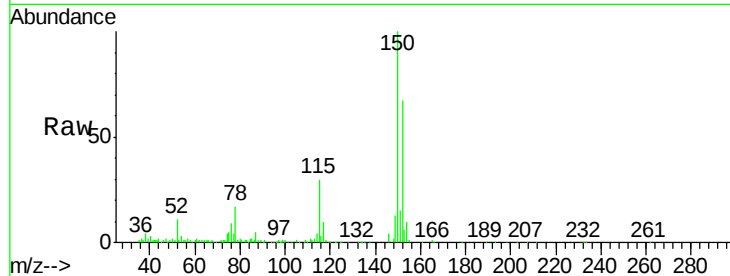
Tot Ion:146 Resp: 1639

Ion Ratio Lower Upper

146 100

111 333.3 18.1 54.1#

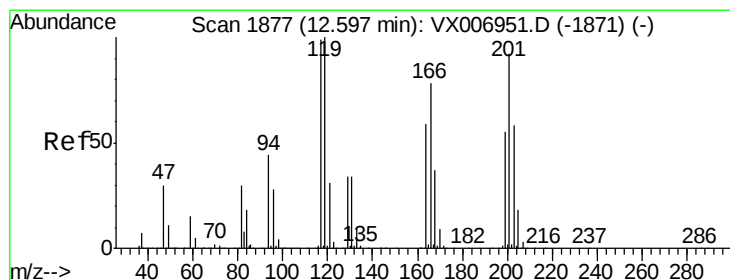
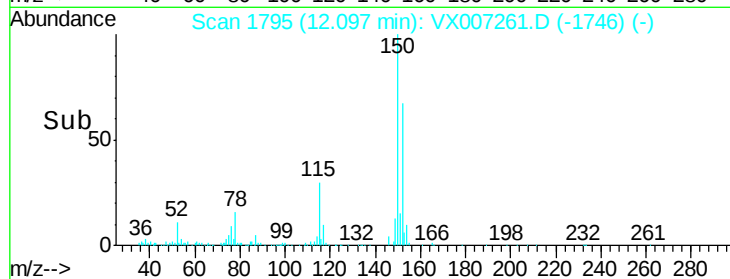
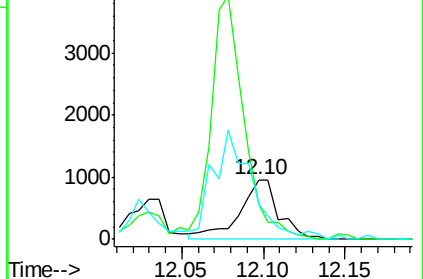
148 185.3 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.921 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX007261.D

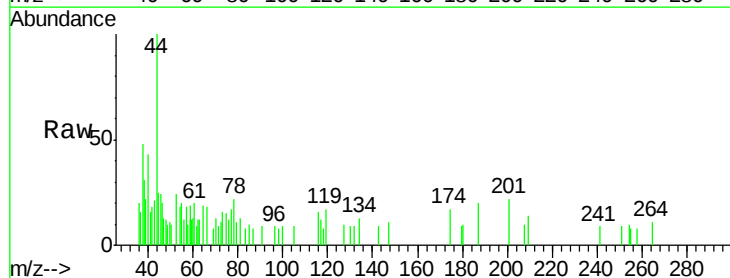
Acq: 28 Jan 2019 15:32

Tgt Ion:117 Resp: 53

Ion Ratio Lower Upper

117 100

201 101.9 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

