

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007128.D
 Acq On : 18 Jan 2019 12:16
 Operator : JC/SP
 Sample : K1194-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 18 21:49:33 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	560210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	852879	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	801181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	390548	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	297859	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	5.51	113	269435	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	8.71	98	1023125	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.13	95	366343	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	

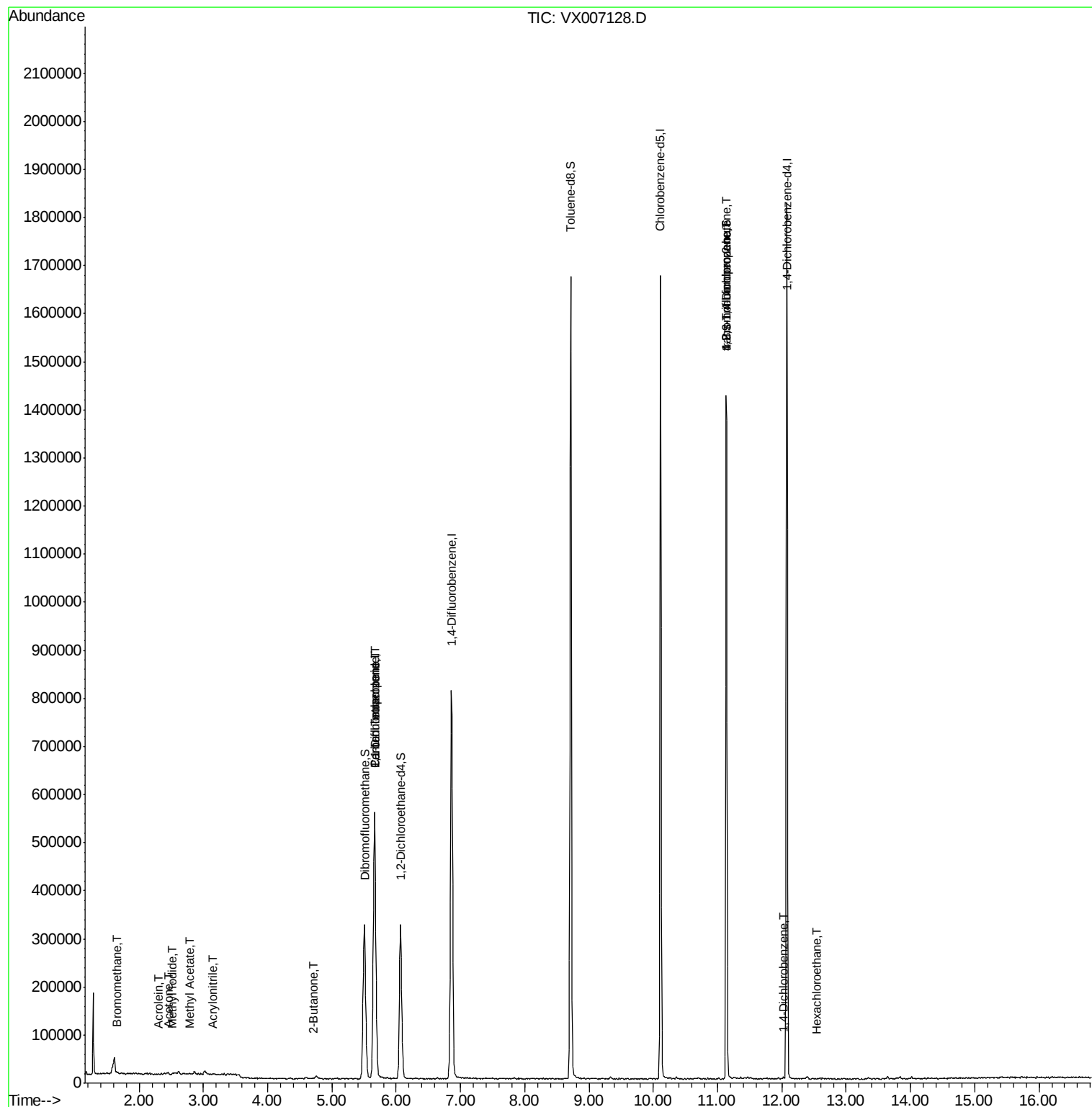
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1472	0.239	ug/l	82
10) Methyl Iodide	2.51	142	2063	0.274	ug/l #	80
13) Acrolein	2.30	56	389	3.729	ug/l #	1
15) Acrylonitrile	3.14	53	958	0.302	ug/l #	32
16) Acetone	2.45	43	3117	1.077	ug/l #	76
18) Methyl Acetate	2.78	43	1745	0.208	ug/l #	44
20) Methylene Chloride	2.86	84	2952	Below Cal	#	80
25) 2-Butanone	4.71	43	889	0.215	ug/l #	47
36) 1,1-Dichloropropene	5.67	75	37448	5.050	ug/l #	48
38) Carbon Tetrachloride	5.66	117	50331	6.746	ug/l #	14
49) 1,4-Dioxane	7.75	88	212	Below Cal	#	45
76) 1,2,3-Trichloropropane	11.13	75	171662	21.690	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	171662	64.288	ug/l #	10
88) 1,4-Dichlorobenzene	12.03	146	1072	0.227	ug/l	82
90) Hexachloroethane	12.53	117	106	2.934	ug/l	87

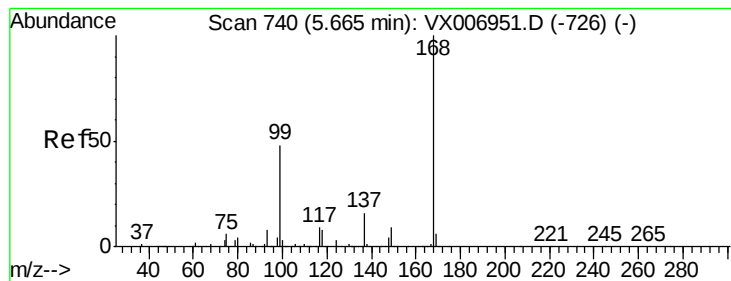
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

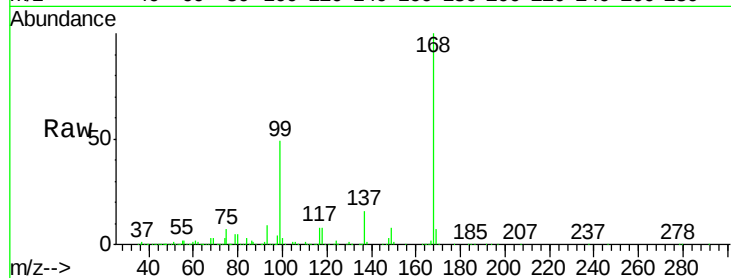
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 560210

Ion Ratio Lower Upper

168 100

99 48.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

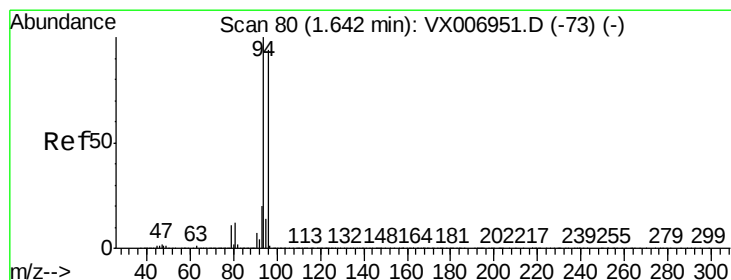
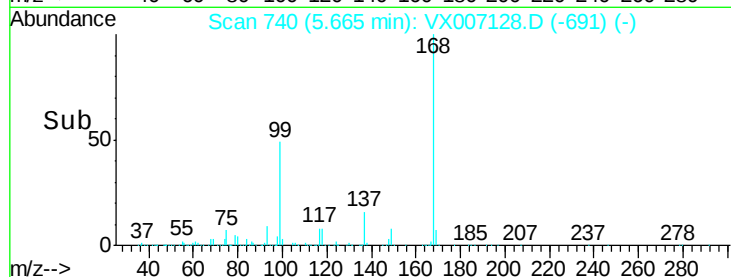
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.239 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007128.D

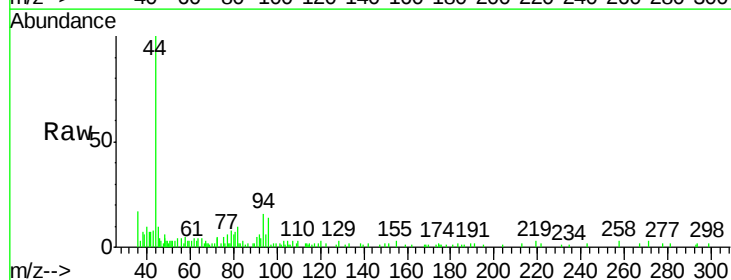
Acq: 18 Jan 2019 12:16

Tgt Ion: 94 Resp: 1472

Ion Ratio Lower Upper

94 100

96 74.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

800

600

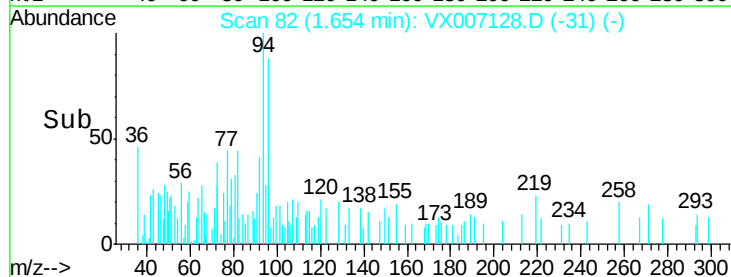
400

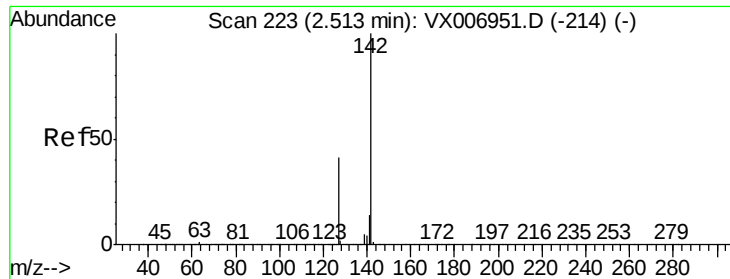
200

0

Time-->

1.60 1.65 1.70

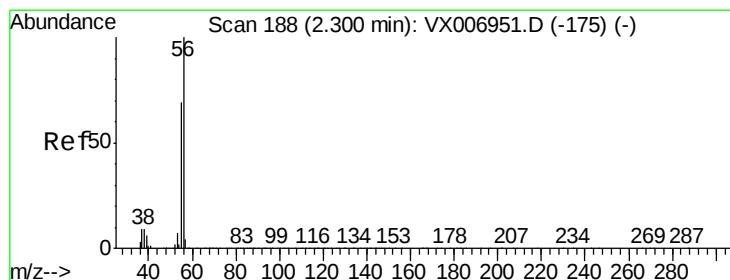
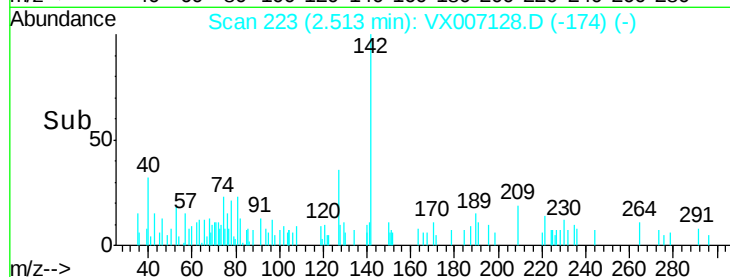
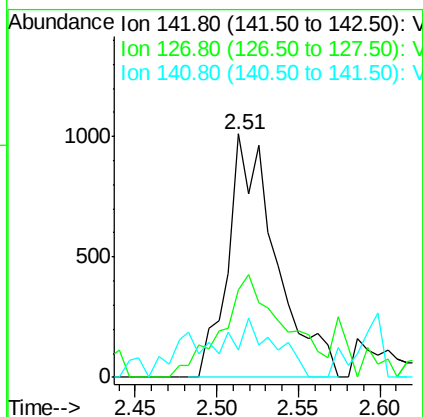
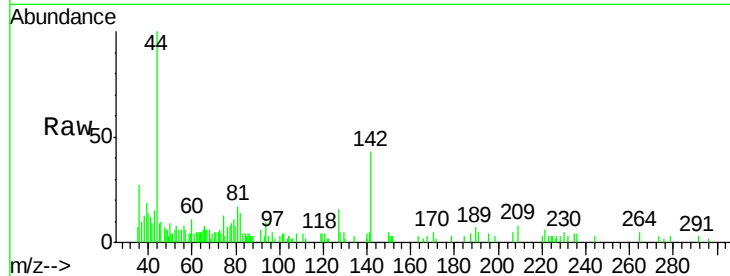




#10
Methvl Iodide
Concen: 0.274 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007128.D
Acq: 18 Jan 2019 12:16

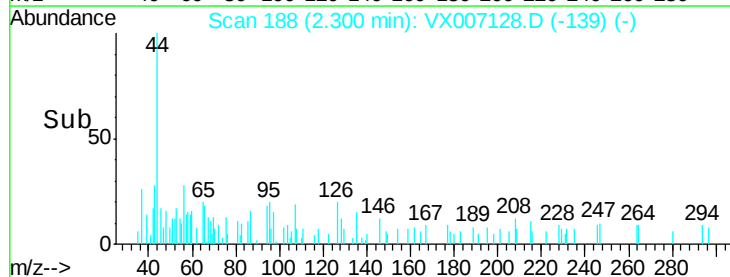
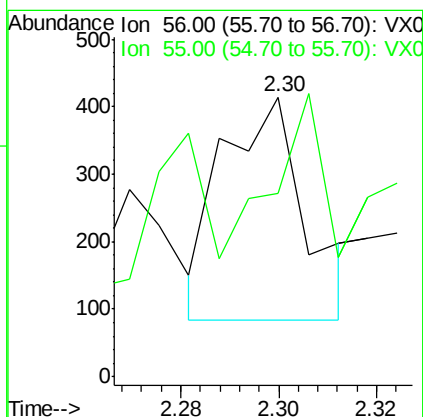
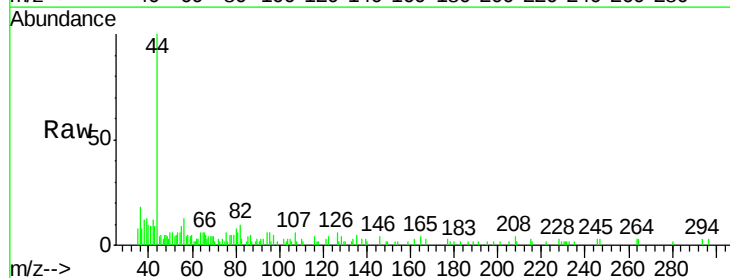
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

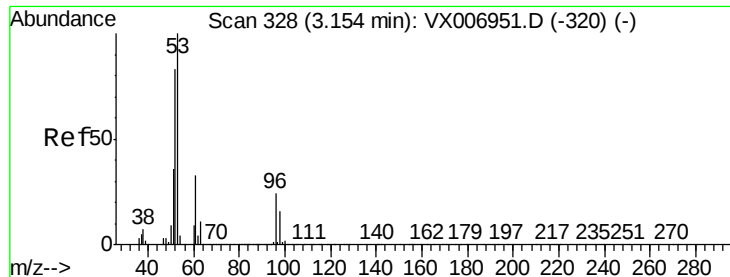
Tot Ion:142 Resp: 2063
Ion Ratio Lower Upper
142 100
127 55.4 33.9 50.9#
141 21.0 11.4 17.0#



#13
Acrolein
Concen: 3.729 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX007128.D
Acq: 18 Jan 2019 12:16

Tgt Ion: 56 Resp: 389
Ion Ratio Lower Upper
56 100
55 158.4 58.2 87.4#





#15

Acrylonitrile

Concen: 0.302 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.02 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

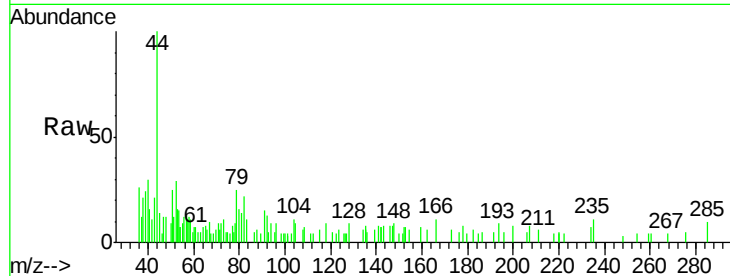
Tot Ion: 53 Resp: 958

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

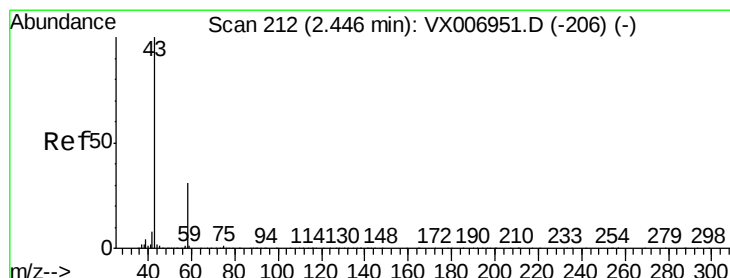
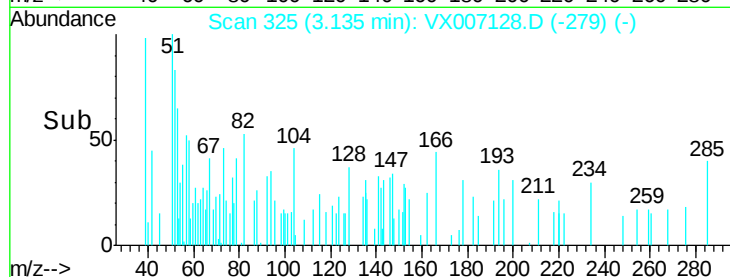
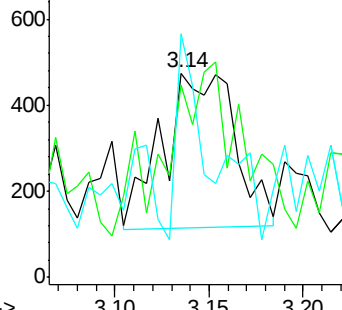
51 42.9 28.6 42.8#



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: 1.077 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007128.D

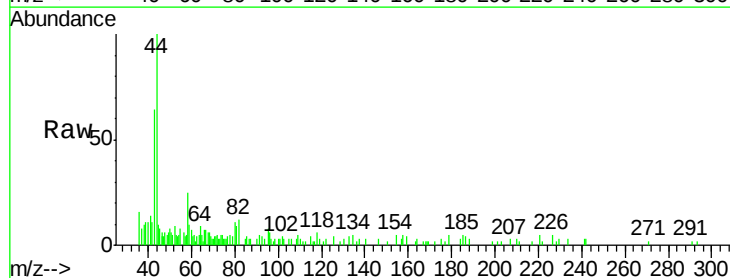
Acq: 18 Jan 2019 12:16

Tgt Ion: 43 Resp: 3117

Ion Ratio Lower Upper

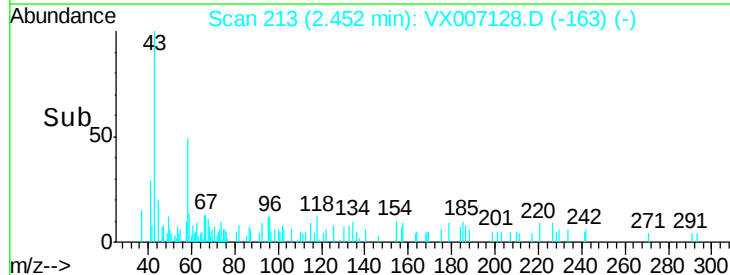
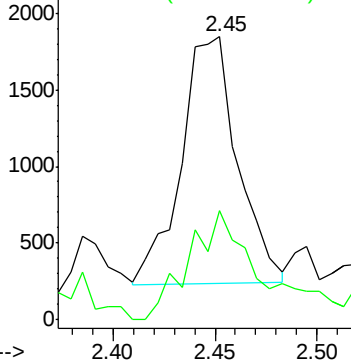
43 100

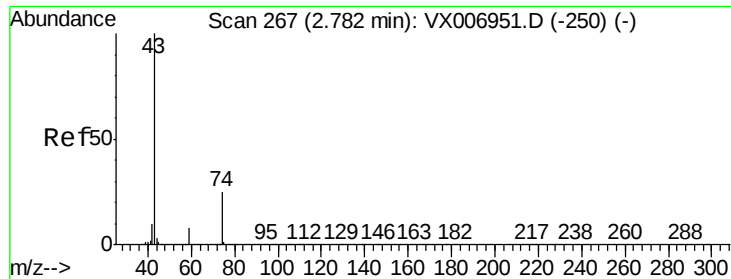
58 44.4 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

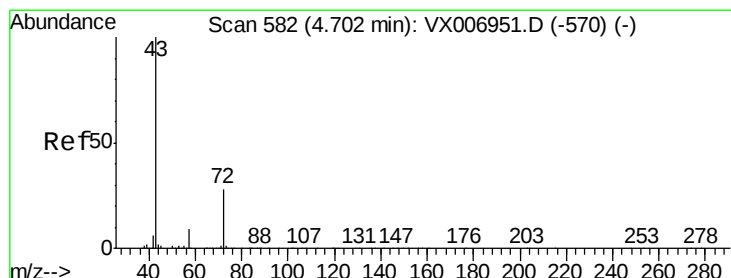
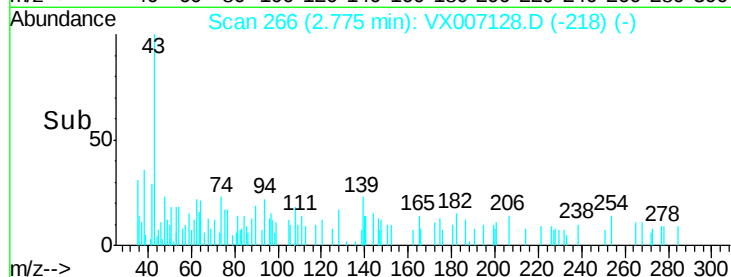
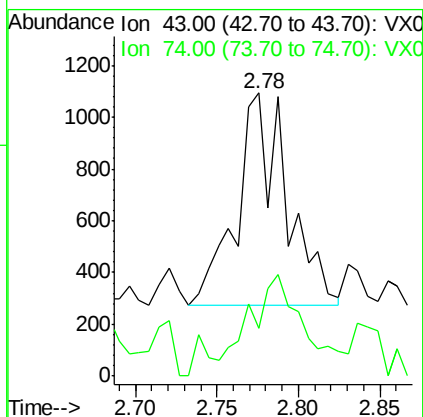
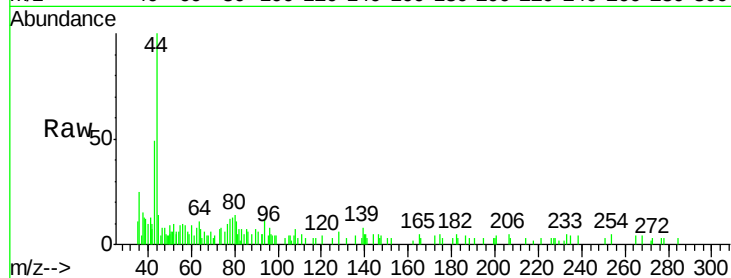




#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007128.D
Acq: 18 Jan 2019 12:16

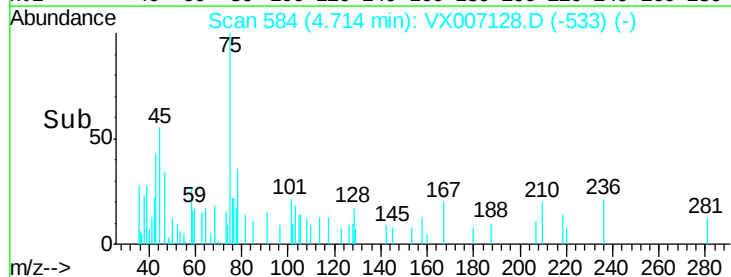
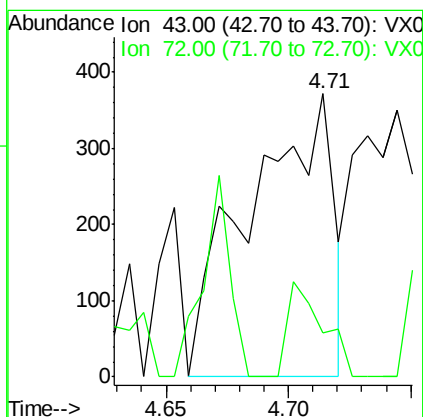
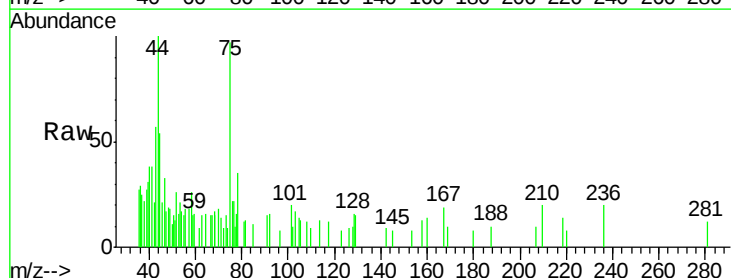
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

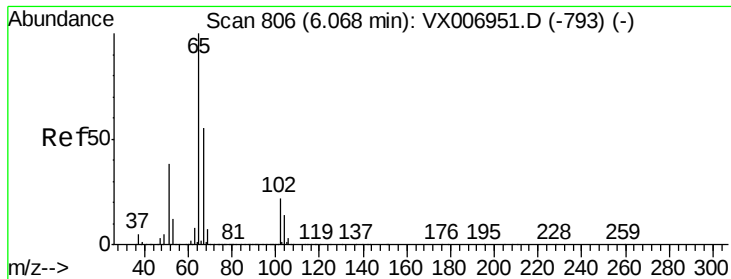
Tot Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
74 50.5 18.6 28.0#



#25
2-Butanone
Concen: 0.215 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX007128.D
Acq: 18 Jan 2019 12:16

Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
72 0.0 22.4 33.6#





#33

1,2-Dichloroethane-d4

Concen: 50.875 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

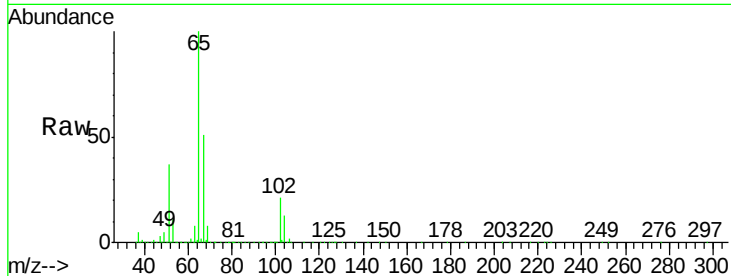
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 297859

Ion Ratio Lower Upper

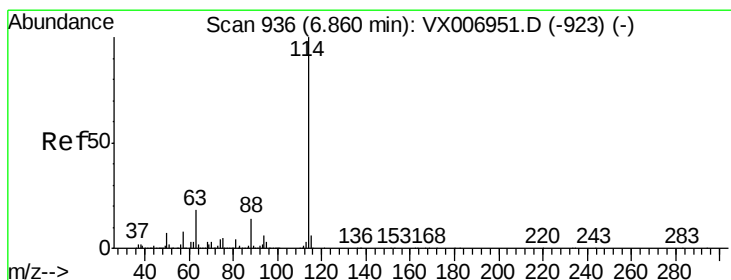
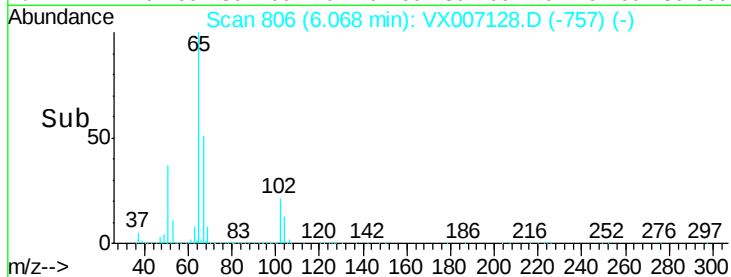
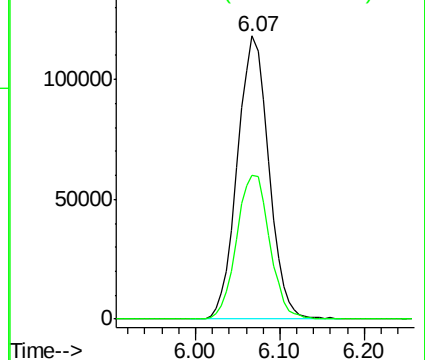
65 100

67 53.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

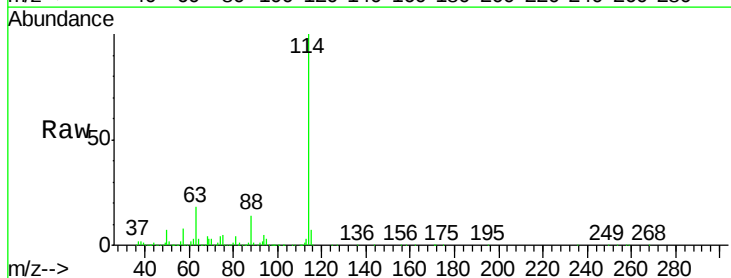
Tgt Ion: 114 Resp: 852879

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

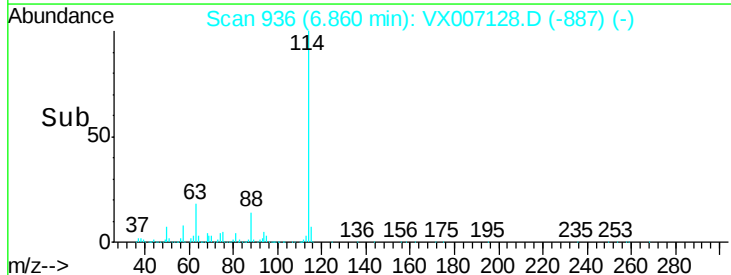
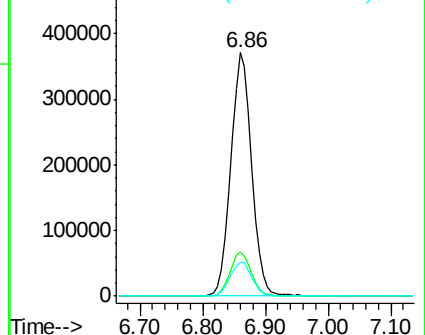
88 13.8 0.0 28.8

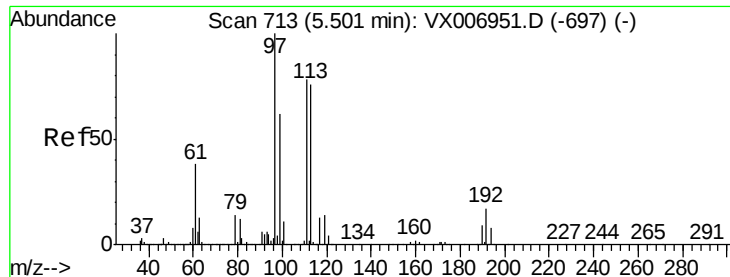


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.331 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

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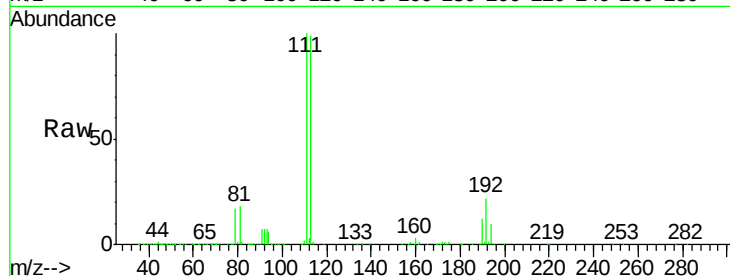
Tot Ion:113 Resp: 269435

Ion Ratio Lower Upper

113 100

111 100.3 81.6 122.4

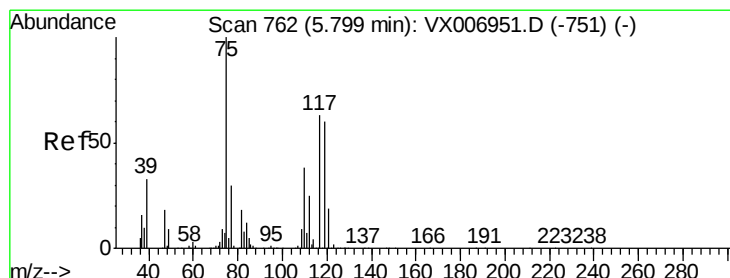
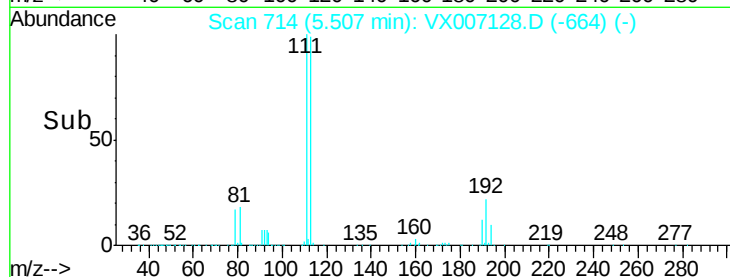
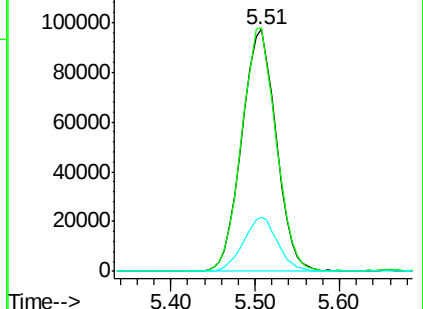
192 22.2 16.7 25.1



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: 5.050 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

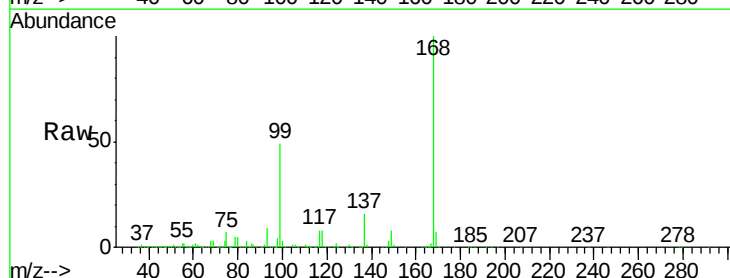
Tgt Ion: 75 Resp: 37448

Ion Ratio Lower Upper

75 100

110 10.1 20.2 60.5#

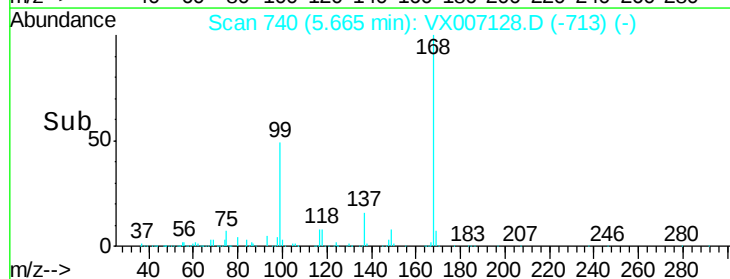
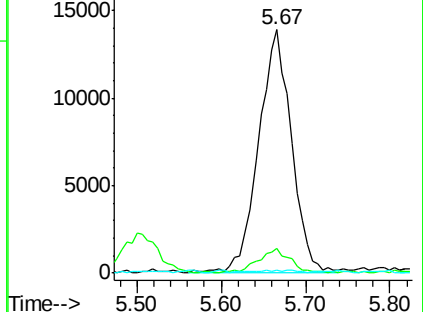
77 0.2 24.8 37.2#

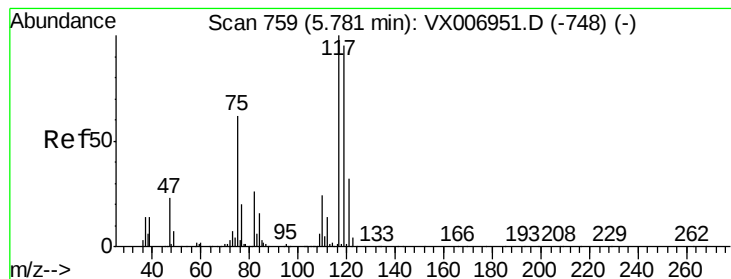


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.746 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

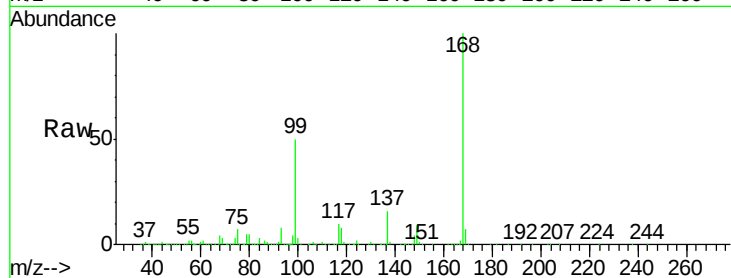
Tot Ion:117 Resp: 50331

Ion Ratio Lower Upper

117 100

119 4.4 79.4 119.2#

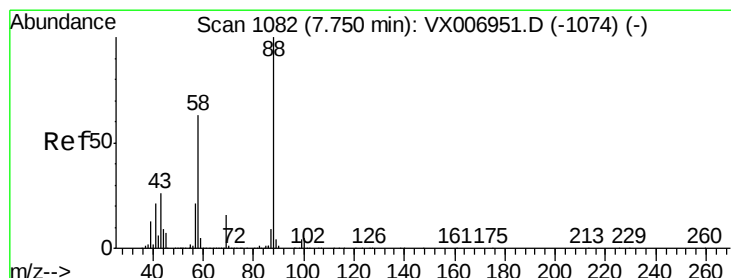
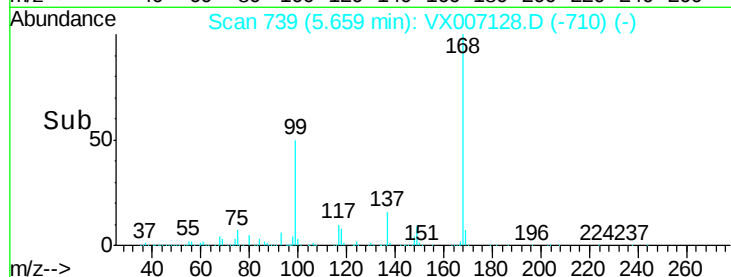
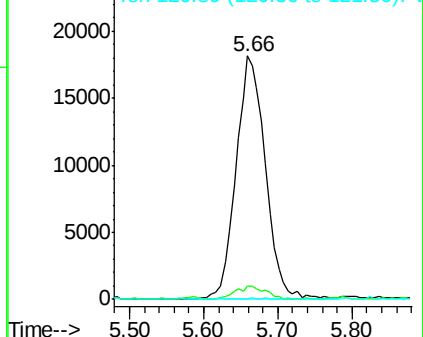
121 0.1 24.0 36.0#



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: VX007128.D

Acq: 18 Jan 2019 12:16

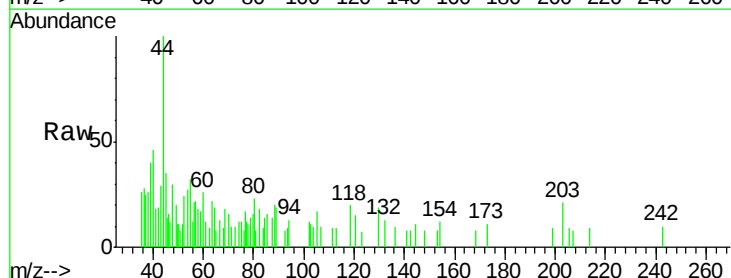
Tgt Ion: 88 Resp: 212

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

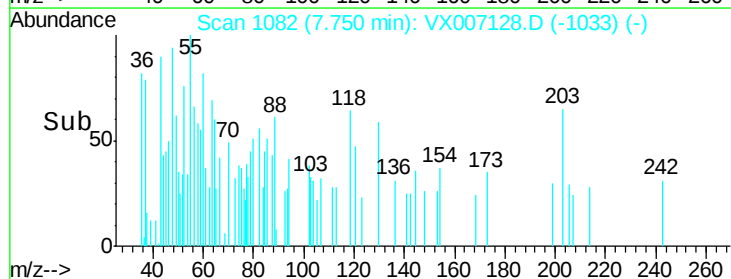
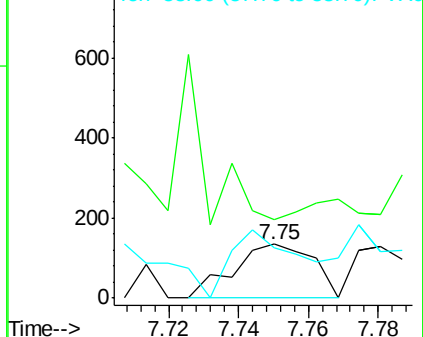
58 107.1 51.0 76.4#

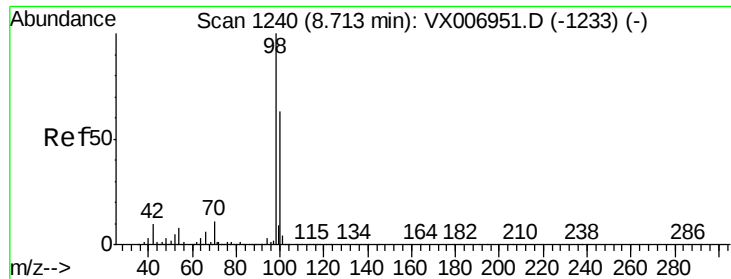


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

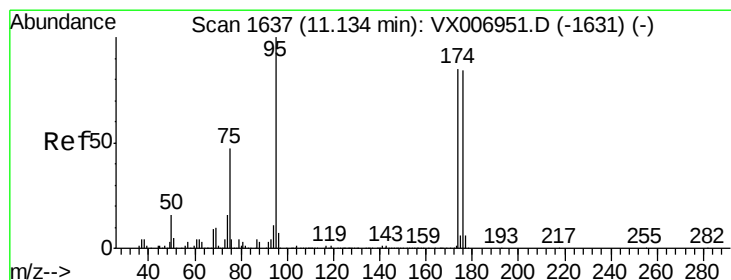
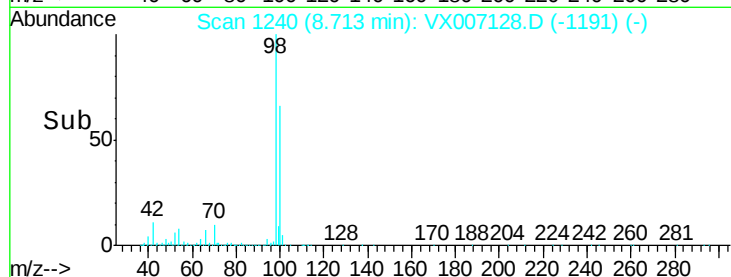
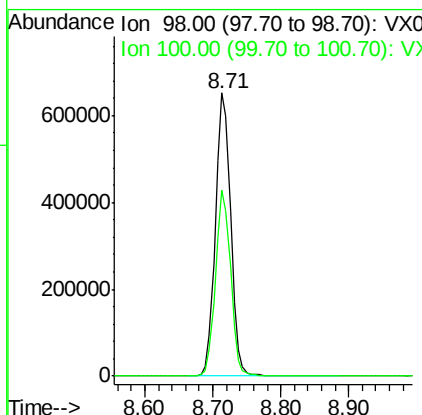
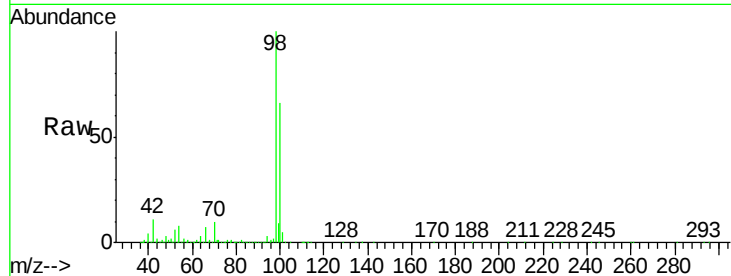




#50
Toluene-d8
Concen: 51.177 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007128.D
Acq: 18 Jan 2019 12:16

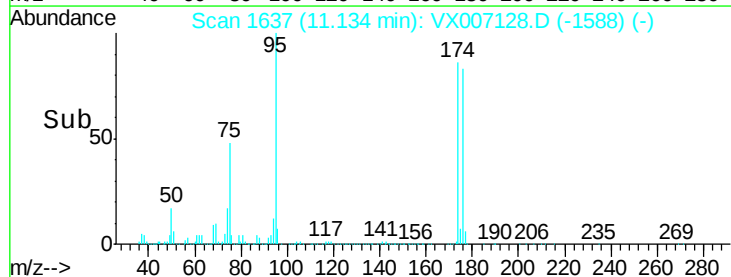
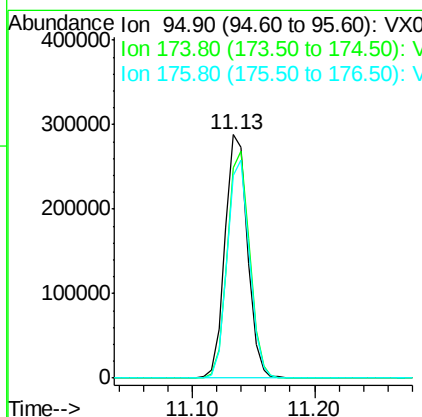
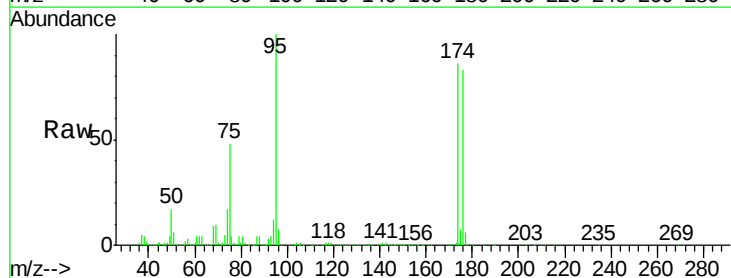
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

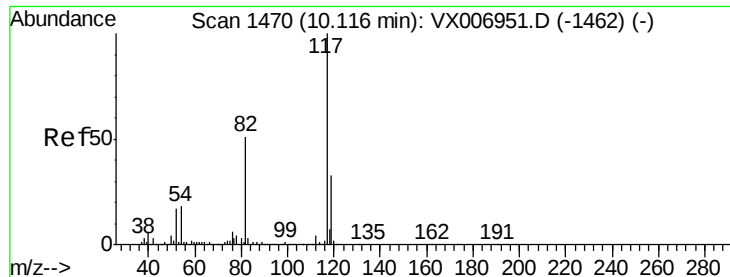
Tot Ion: 98 Resp: 1023125
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.563 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007128.D
Acq: 18 Jan 2019 12:16

Tgt Ion: 95 Resp: 366343
Ion Ratio Lower Upper
95 100
174 92.1 0.0 182.2
176 88.4 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

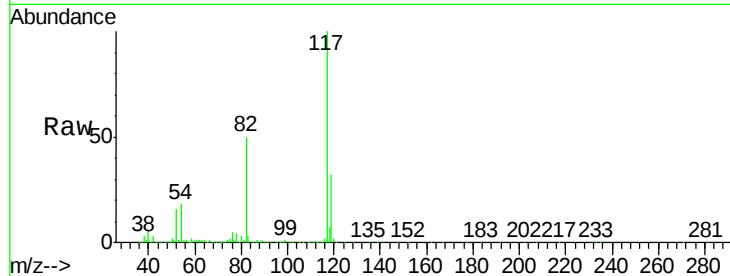
Tot Ion:117 Resp: 801181

Ion Ratio Lower Upper

117 100

82 49.8 41.0 61.6

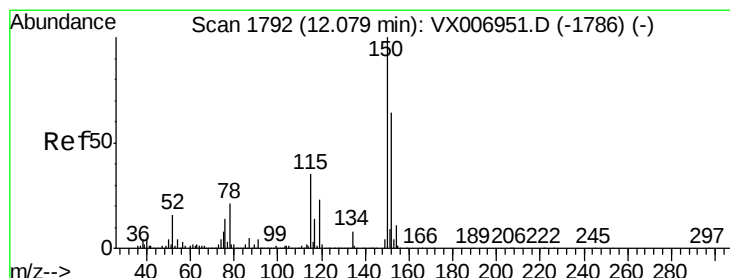
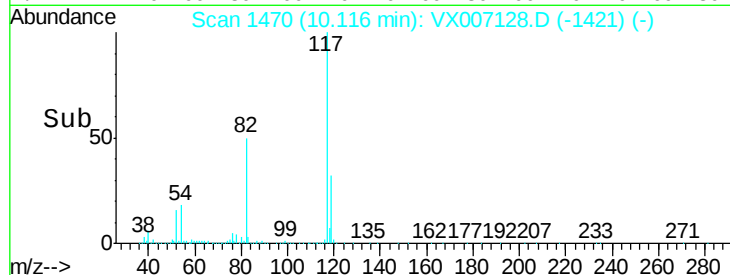
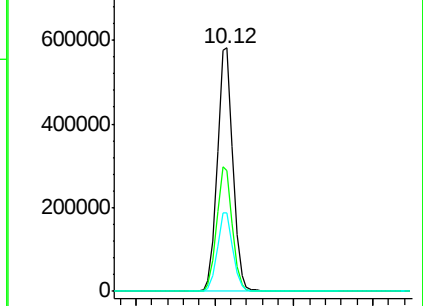
119 32.4 25.4 38.0



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: VX007128.D

Acq: 18 Jan 2019 12:16

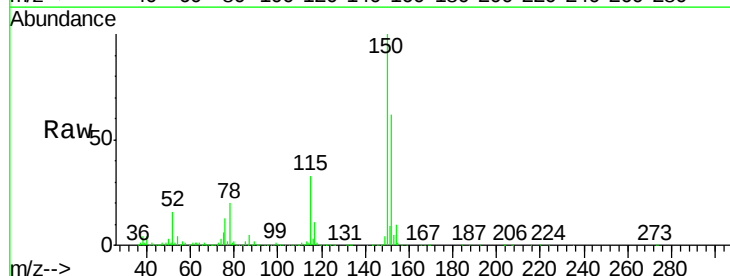
Tgt Ion:152 Resp: 390548

Ion Ratio Lower Upper

152 100

115 54.2 39.1 117.2

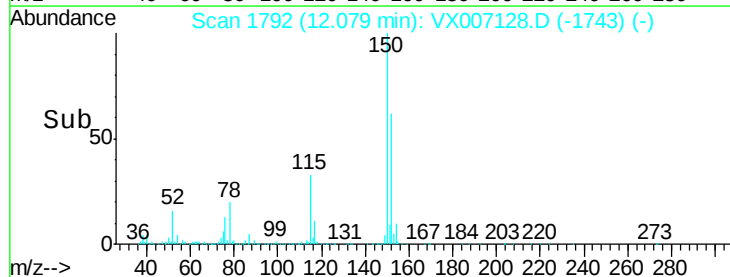
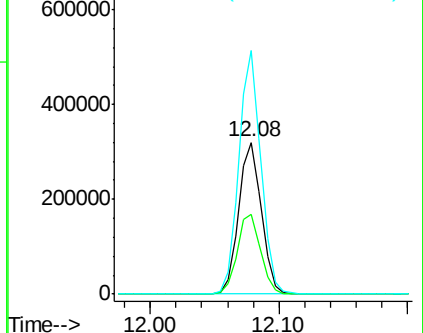
150 156.0 0.0 344.8

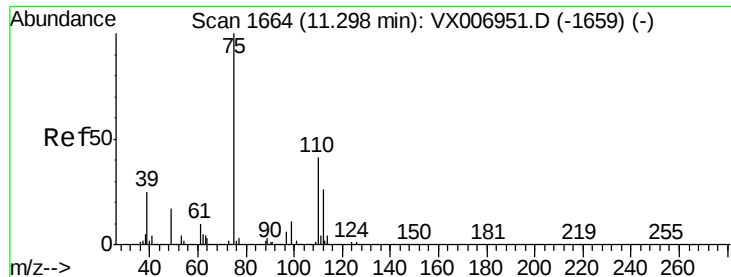


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.690 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

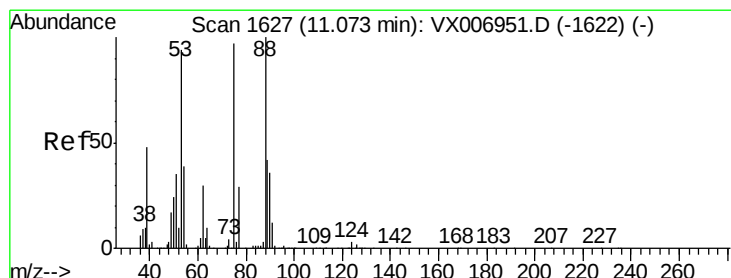
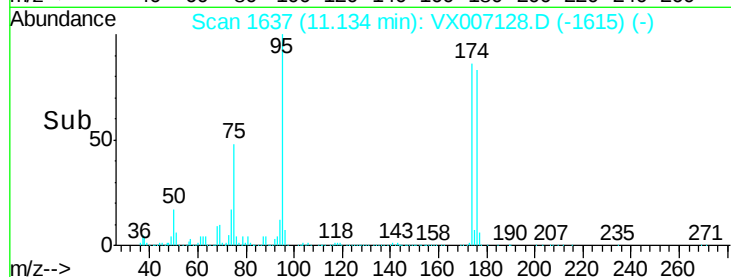
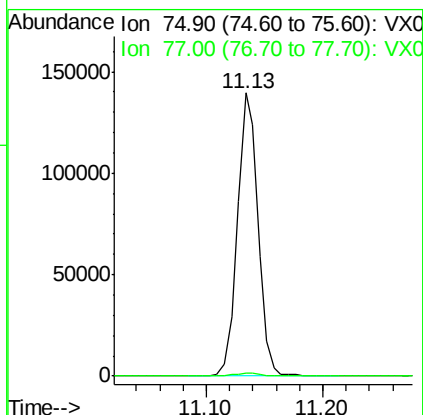
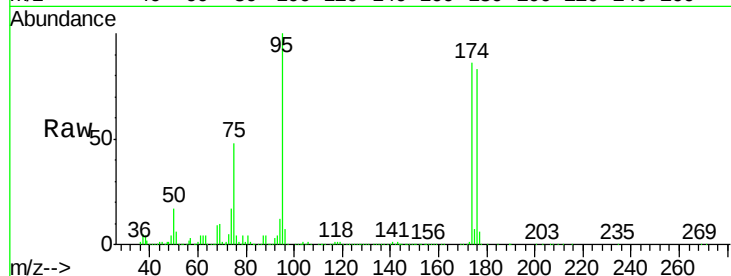
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 171662

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.288 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

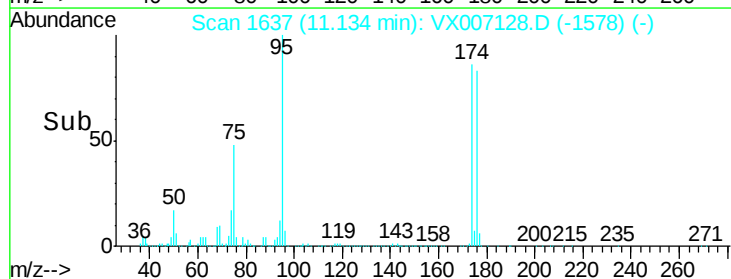
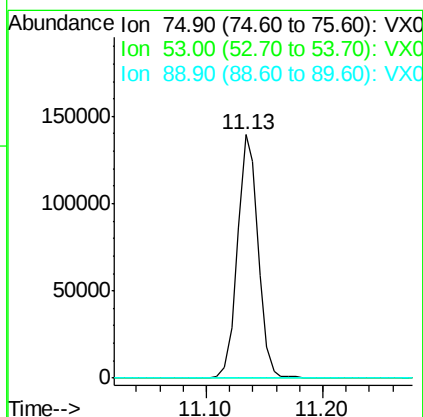
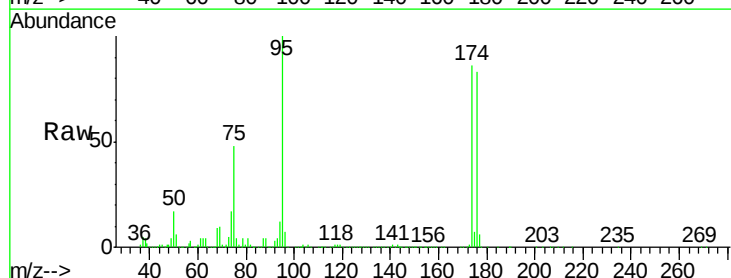
Tgt Ion: 75 Resp: 171662

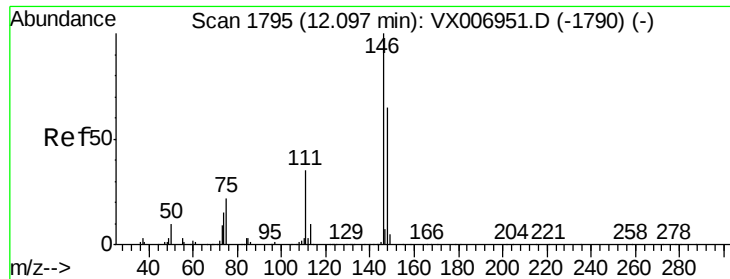
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#





#88

1,4-Dichlorobenzene

Concen: 0.227 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.07 min

Lab File: VX007128.D

Acq: 18 Jan 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

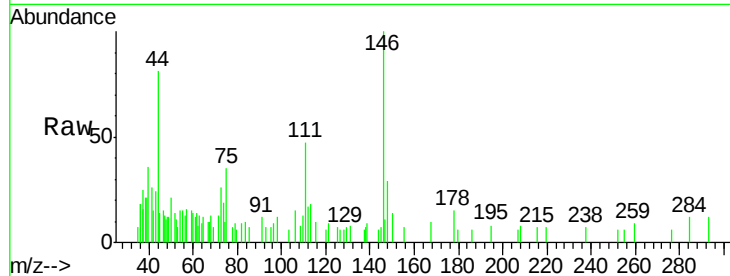
Tot Ion:146 Resp: 1072

Ion Ratio Lower Upper

146 100

111 46.8 18.1 54.1

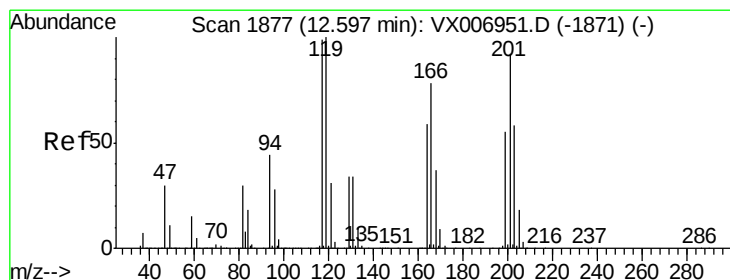
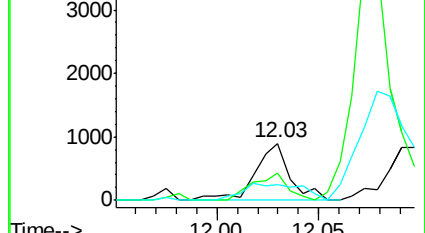
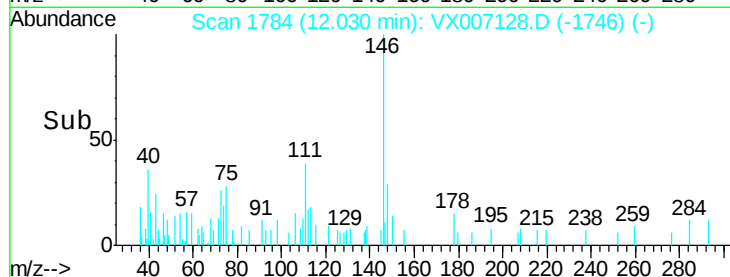
148 49.6 31.9 95.9



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: 2.934 ug/l

RT: 12.53 min Scan# 1866

Delta R.T. -0.07 min

Lab File: VX007128.D

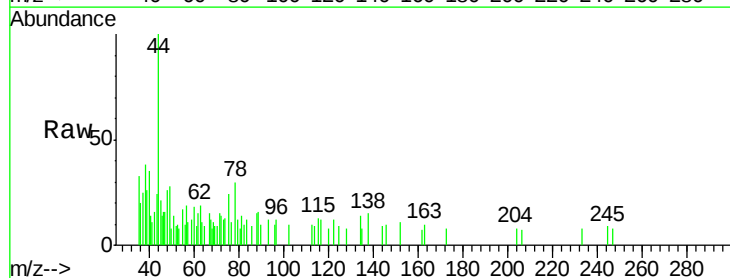
Acq: 18 Jan 2019 12:16

Tgt Ion:117 Resp: 106

Ion Ratio Lower Upper

117 100

201 73.6 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

