

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009190.D
 Acq On : 26 Apr 2019 15:23
 Operator : JC/SP
 Sample : K2591-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Apr 27 04:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125527	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	138288	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
35) Dibromofluoromethane	5.50	113	101985	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	8.71	98	425579	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.13	95	140329	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

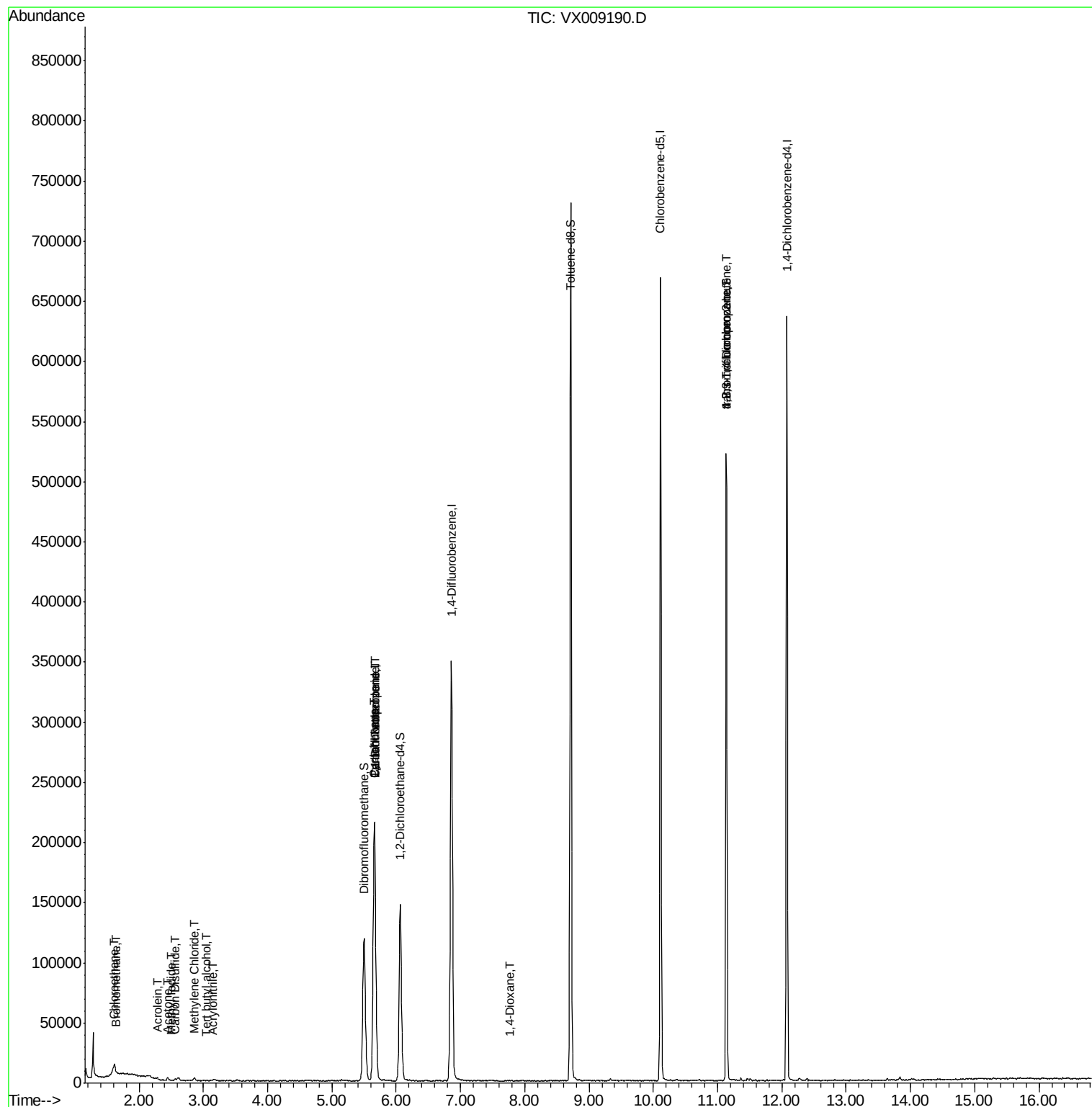
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	544	4.123	ug/l	92
6) Chloroethane	1.62	64	7816	4.556	ug/l #	69
10) Methyl Iodide	2.51	142	222	4.499	ug/l #	33
11) Tert butyl alcohol	3.04	59	242	0.365	ug/l #	72
13) Acrolein	2.29	56	142	0.248	ug/l #	1
15) Acrylonitrile	3.15	53	459	0.273	ug/l #	88
16) Acetone	2.45	43	2781	1.795	ug/l	95
17) Carbon Disulfide	2.57	76	1472	1.467	ug/l #	82
20) Methylene Chloride	2.85	84	1077	0.406	ug/l	85
28) Bromochloromethane	5.04	49	68	Below Cal	#	21
31) Cyclohexane	5.65	56	4697	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16717	4.774	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20341	6.853	ug/l #	17
49) 1,4-Dioxane	7.76	88	24	0.357	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	71849	23.441	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71849	60.179	ug/l #	11

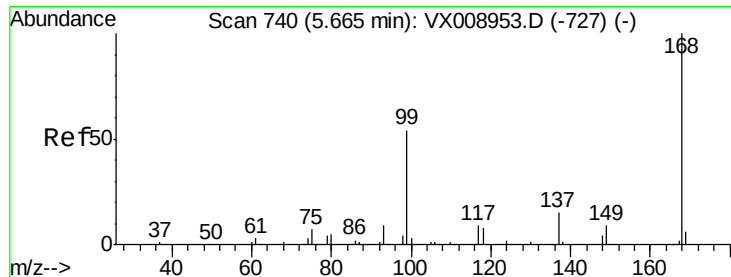
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 27 04:03:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
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: VX009190.D

Acq: 26 Apr 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

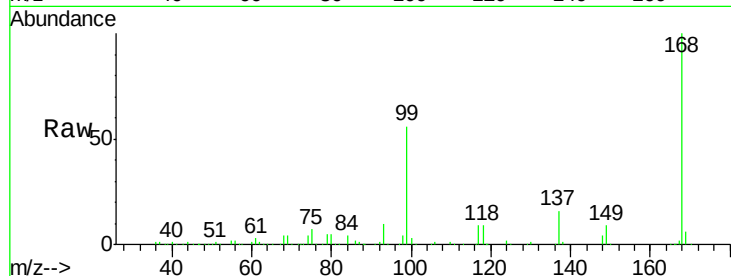
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 211994

Ion Ratio Lower Upper

168 100

99 55.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

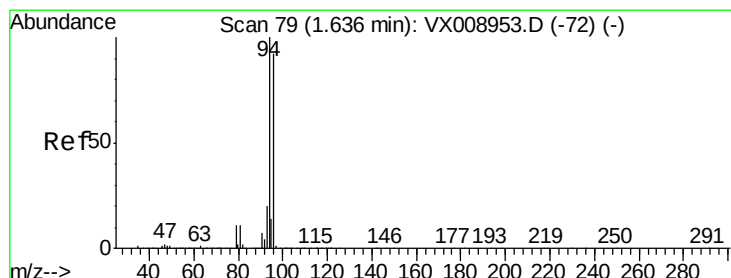
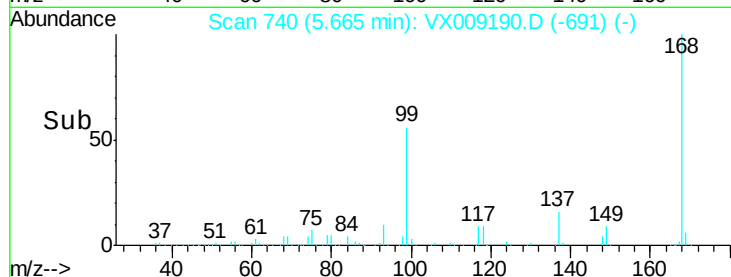
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.123 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009190.D

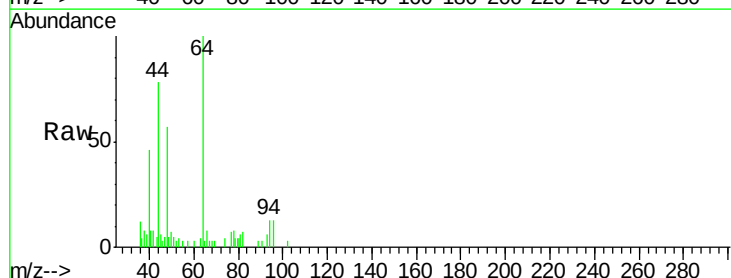
Acq: 26 Apr 2019 15:23

Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

94 100

96 100.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

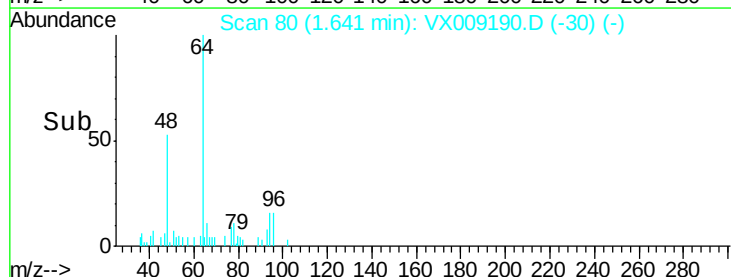
150

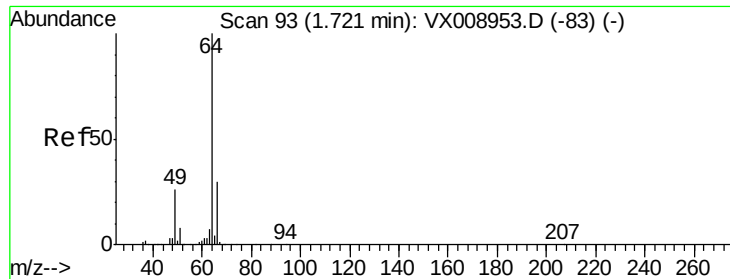
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 4.556 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.10 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

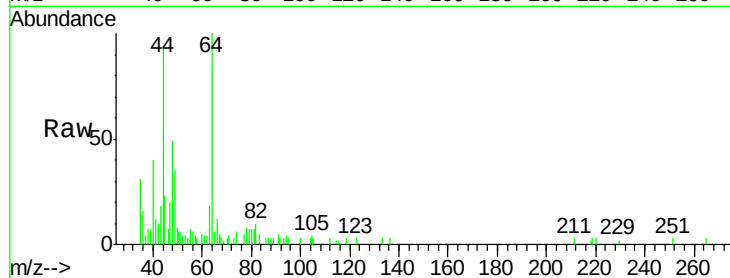
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 64 Resp: 7816

Ion Ratio Lower Upper

64 100

66 13.6 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

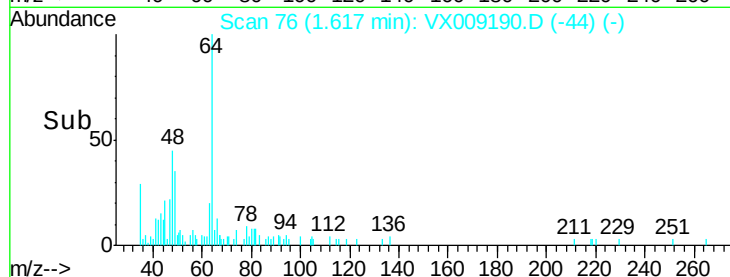
1500

1000

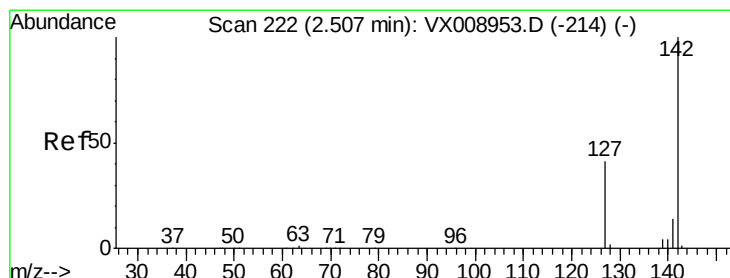
500

0

Time-->



Time-->



#10

Methyl Iodide

Concen: 4.499 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

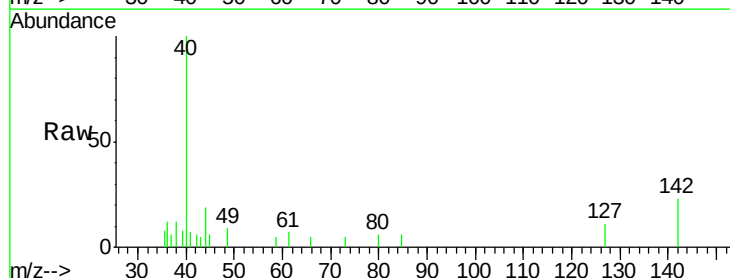
Tgt Ion: 142 Resp: 222

Ion Ratio Lower Upper

142 100

127 89.6 32.8 49.2#

141 0.0 11.4 17.2#



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

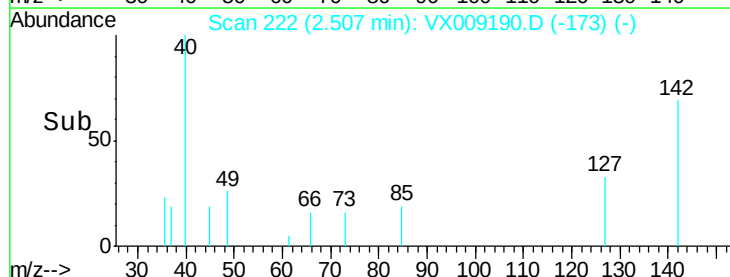
300

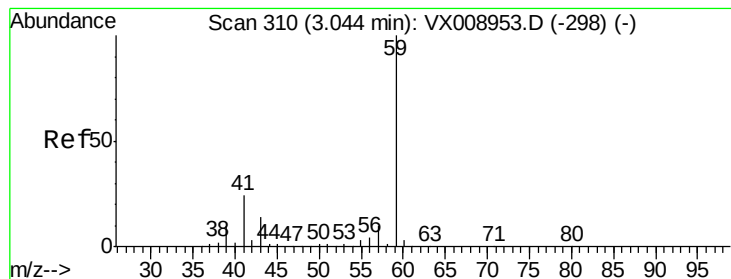
200

100

0

Time-->



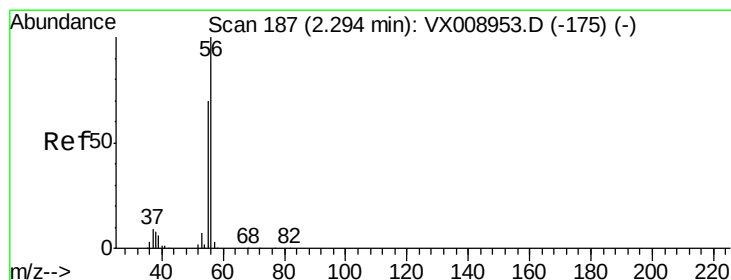
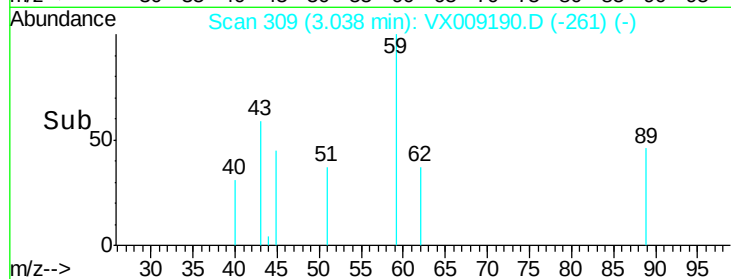
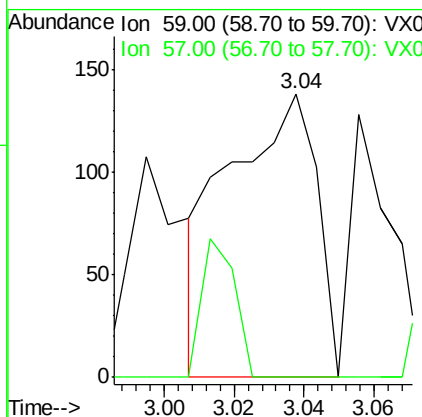
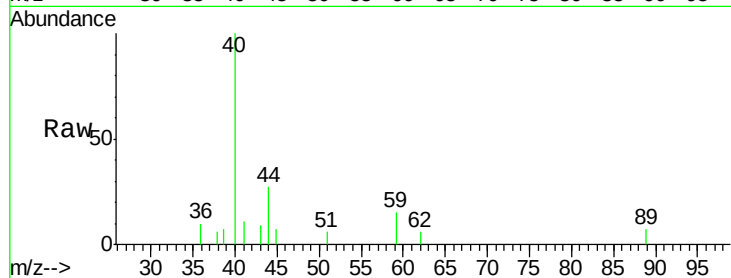


#11

Tert butyl alcohol
 Concen: 0.365 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009190.D
 Acq: 26 Apr 2019 15:23

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

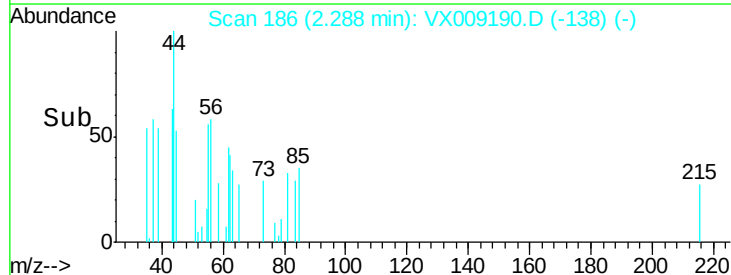
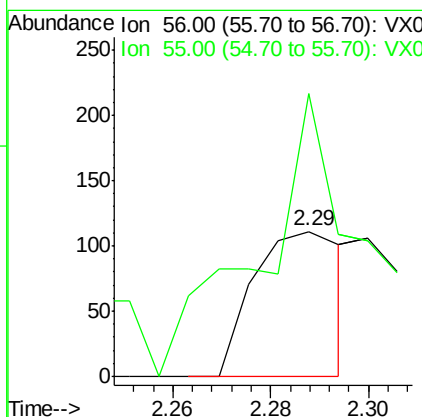
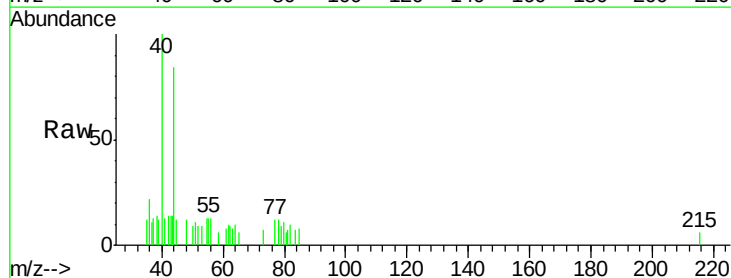
Tot Ion: 59 Resp: 242
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

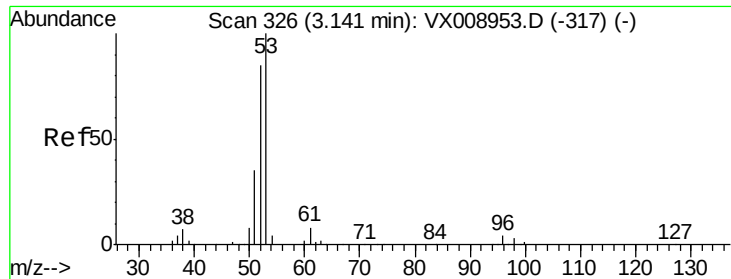


#13

Acrolein
 Concen: 0.248 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009190.D
 Acq: 26 Apr 2019 15:23

Tgt Ion: 56 Resp: 142
 Ion Ratio Lower Upper
 56 100
 55 225.4 56.6 84.8#





#15

Acrylonitrile

Concen: 0.273 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

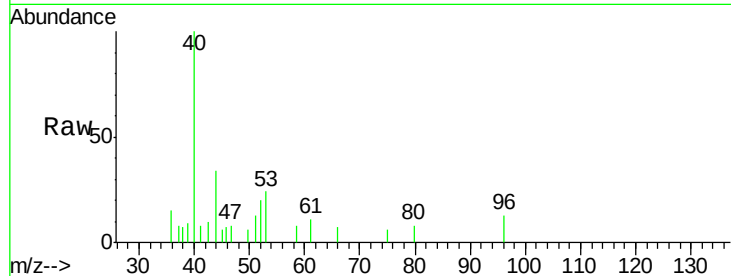
Tot Ion: 53 Resp: 459

Ion Ratio Lower Upper

53 100

52 73.4 66.6 100.0

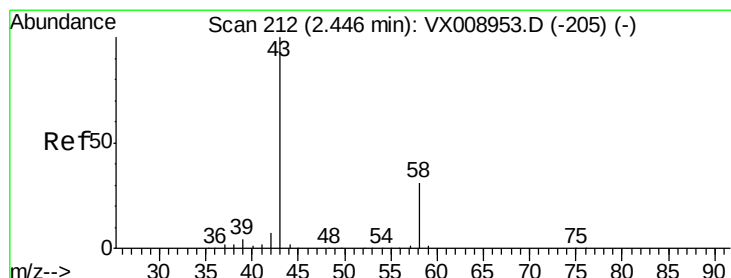
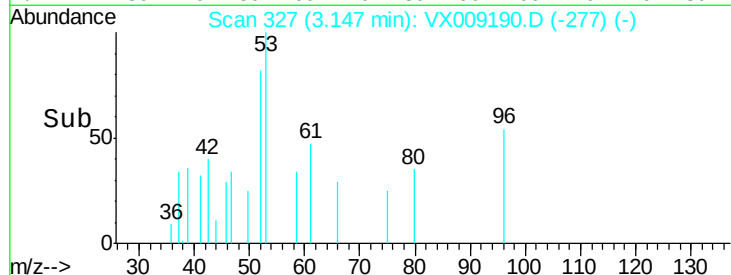
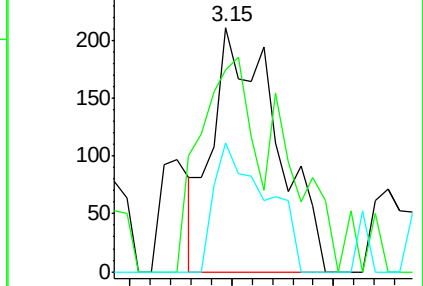
51 43.4 28.3 42.5#



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: 1.795 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009190.D

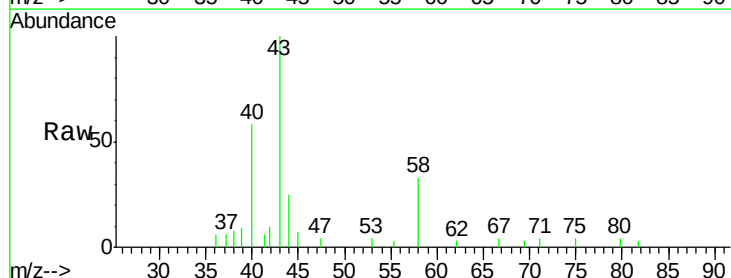
Acq: 26 Apr 2019 15:23

Tgt Ion: 43 Resp: 2781

Ion Ratio Lower Upper

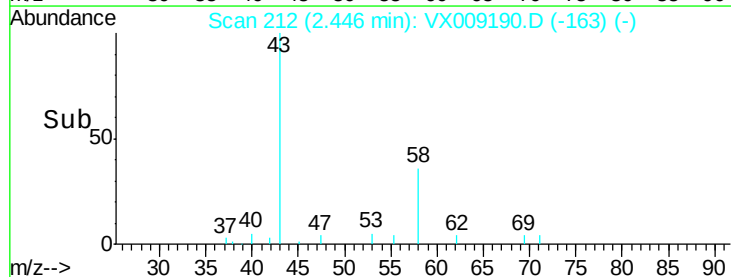
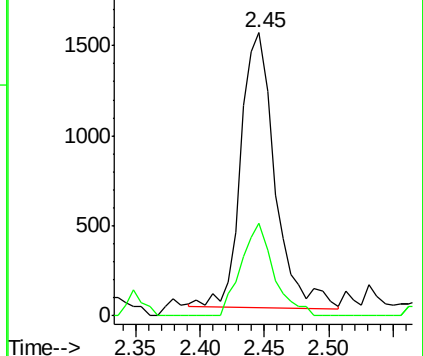
43 100

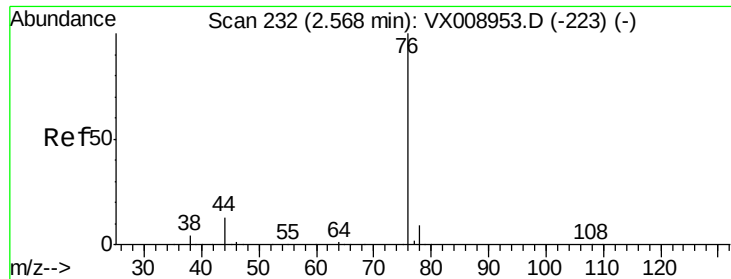
58 33.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

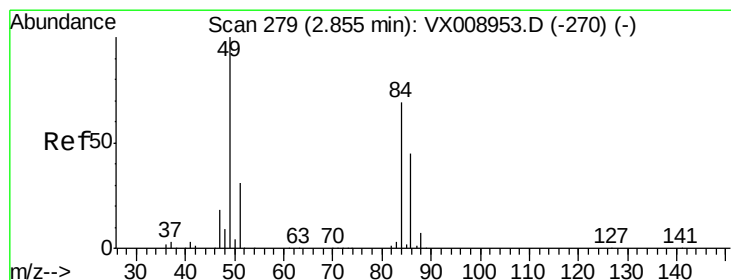
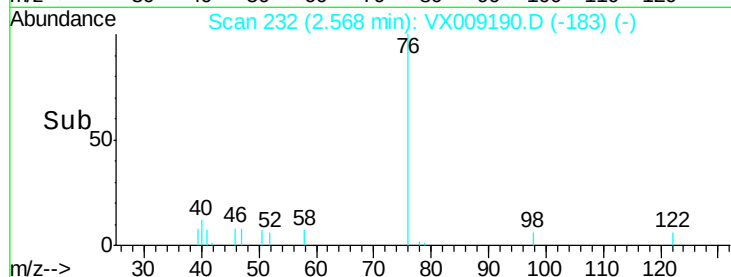
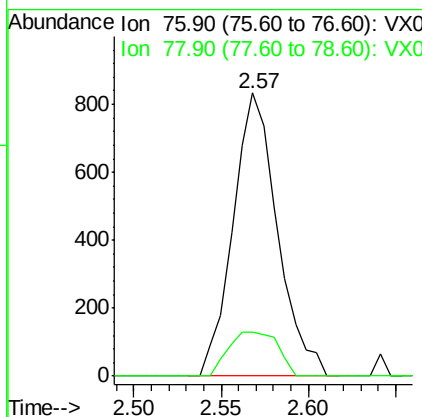
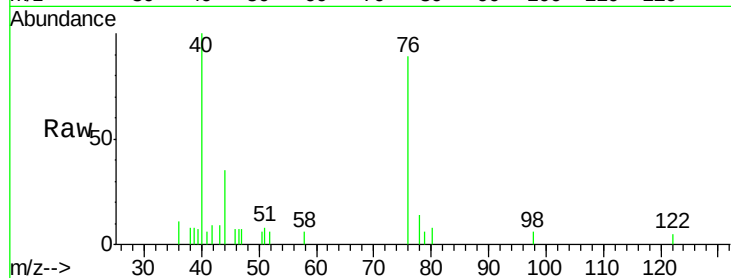




#17
Carbon Disulfide
Concen: 1.467 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009190.D
Acq: 26 Apr 2019 15:23

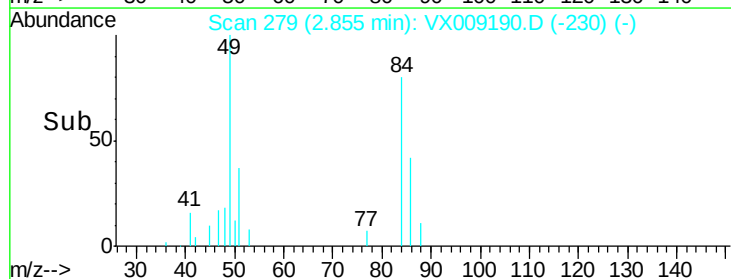
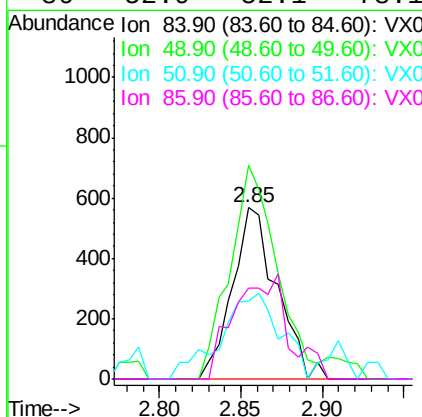
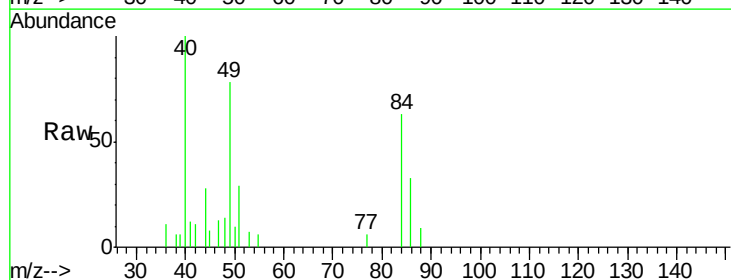
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

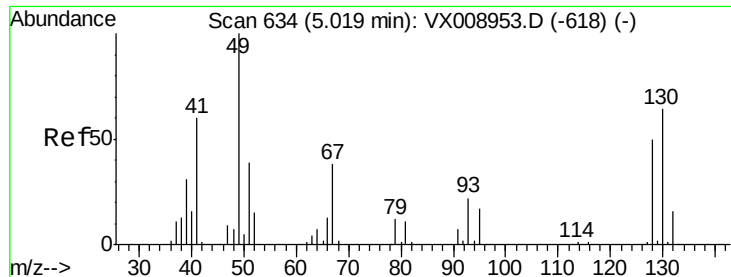
Tot Ion: 76 Resp: 1472
Ion Ratio Lower Upper
76 100
78 15.5 7.2 10.8#



#20
Methylene Chloride
Concen: 0.406 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009190.D
Acq: 26 Apr 2019 15:23

Tgt Ion: 84 Resp: 1077
Ion Ratio Lower Upper
84 100
49 124.9 115.4 173.0
51 36.2 35.8 53.6
86 52.9 52.1 78.1





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

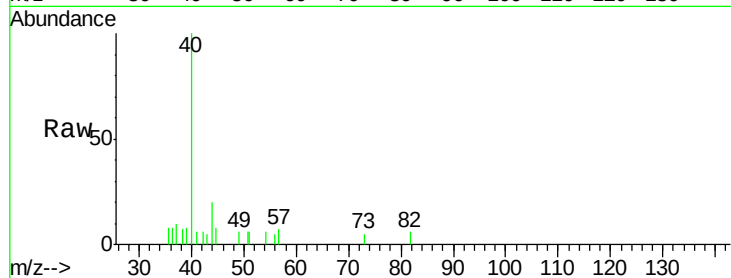
Tot Ion: 49 Resp: 68

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

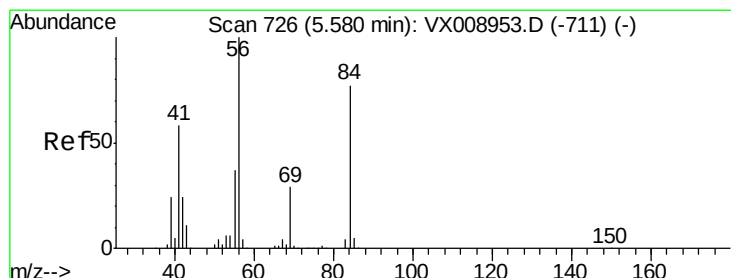
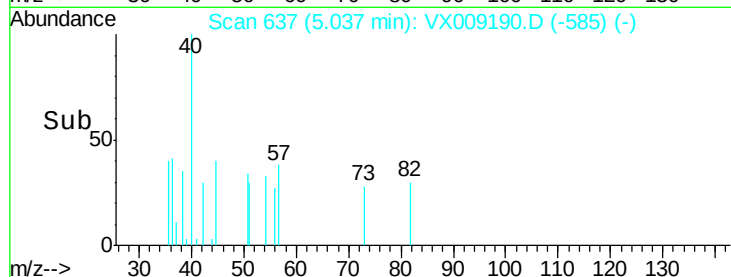
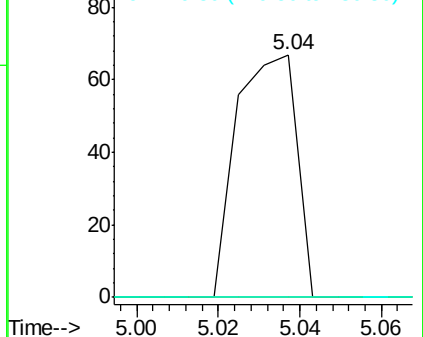
130 0.0 50.4 75.6#



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



#31

Cyclohexane

Concen: 0.987 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

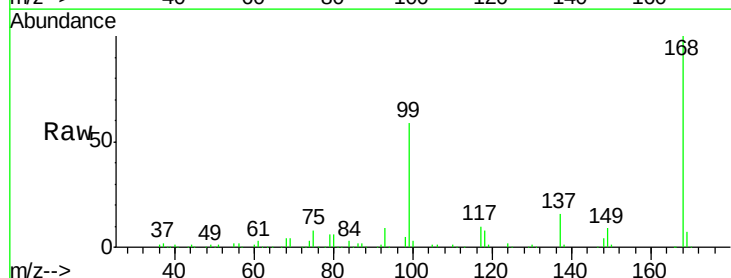
Tgt Ion: 56 Resp: 4697

Ion Ratio Lower Upper

56 100

69 161.6 23.3 34.9#

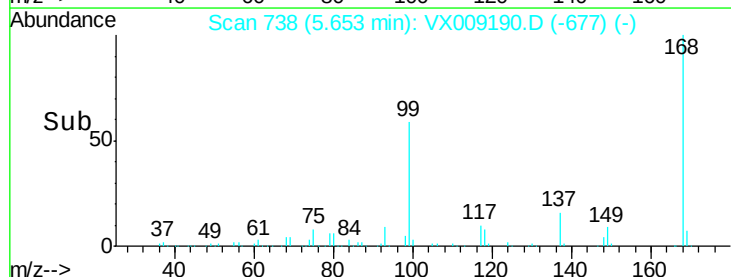
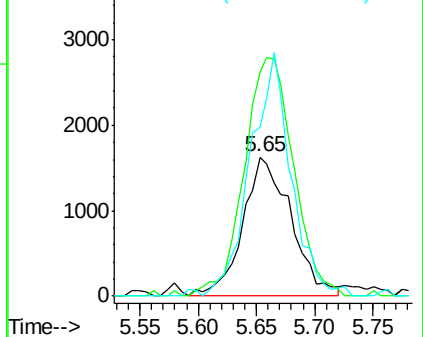
84 117.3 61.7 92.5#

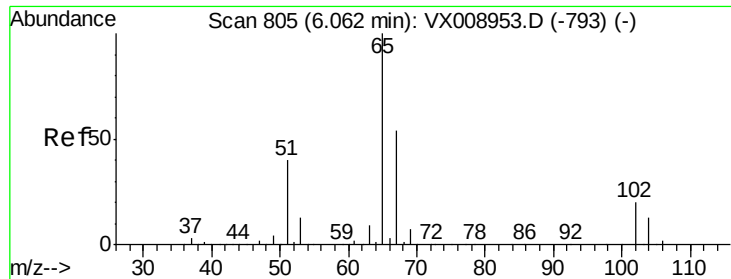


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

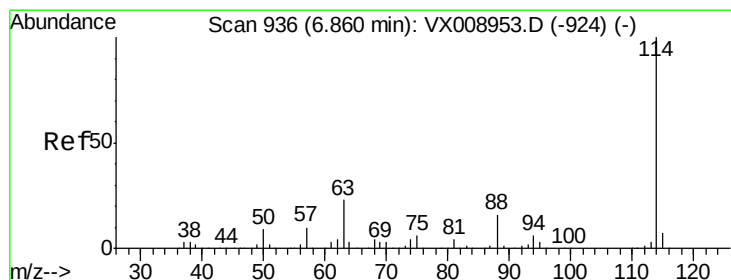
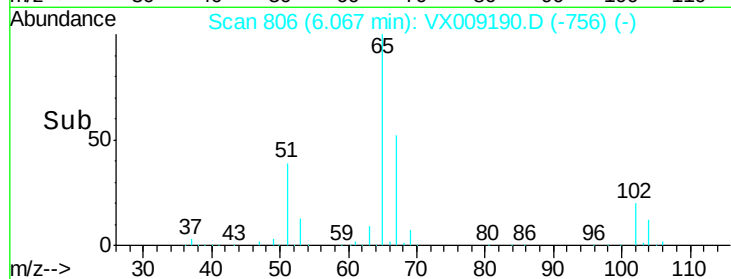
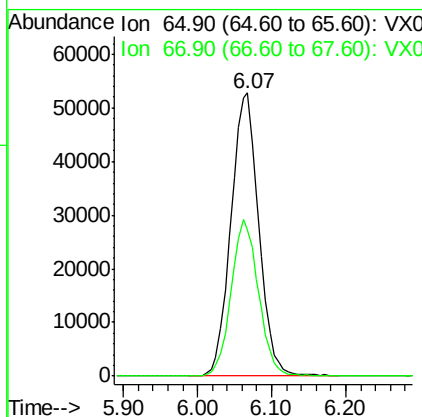
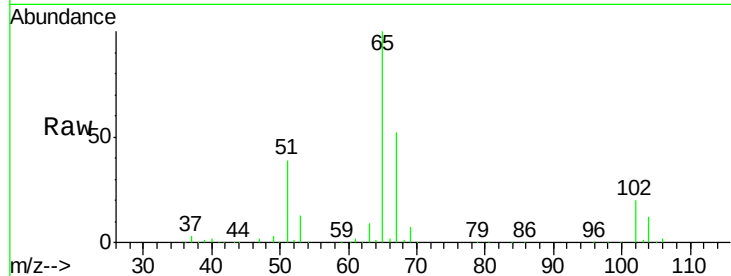




#33
 1,2-Dichloroethane-d4
 Concen: 46.287 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009190.D
 Acq: 26 Apr 2019 15:23

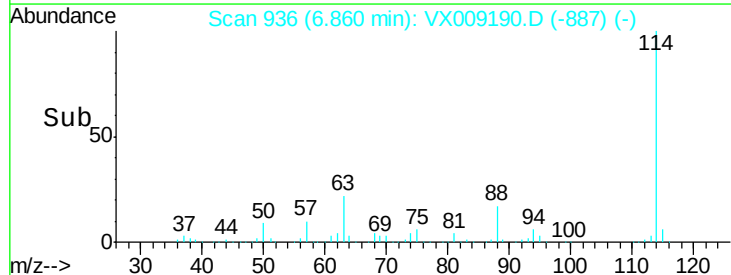
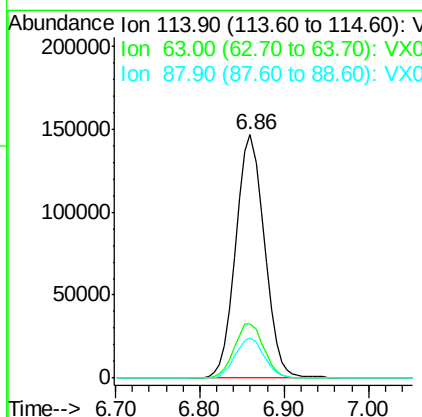
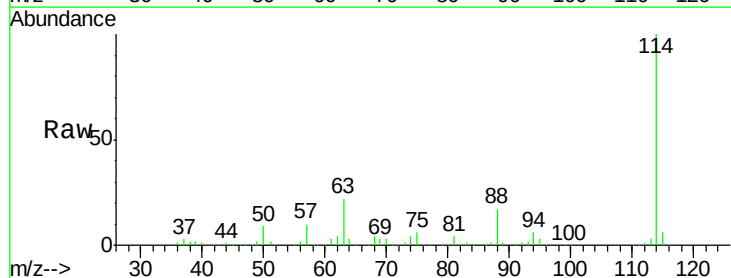
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

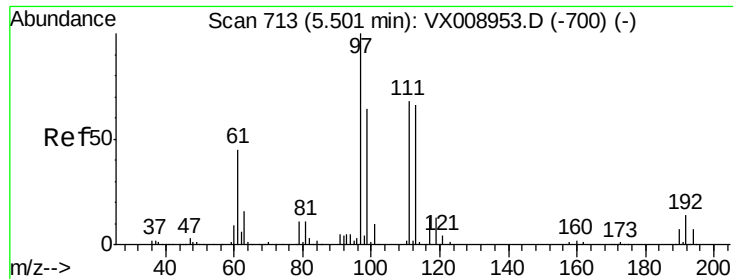
Tot Ion: 65 Resp: 138288
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009190.D
 Acq: 26 Apr 2019 15:23

Tgt Ion: 114 Resp: 338551
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.0
 88 16.6 0.0 32.6

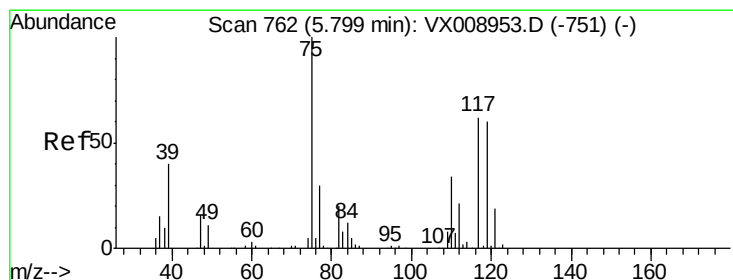
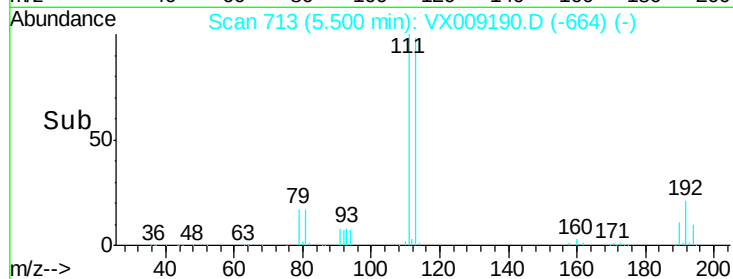
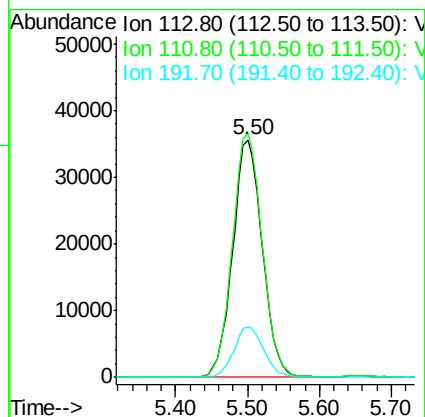
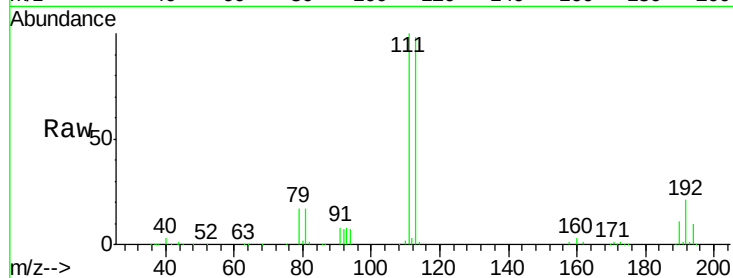




#35
 Dibromofluoromethane
 Concen: 46.938 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009190.D
 Acq: 26 Apr 2019 15:23

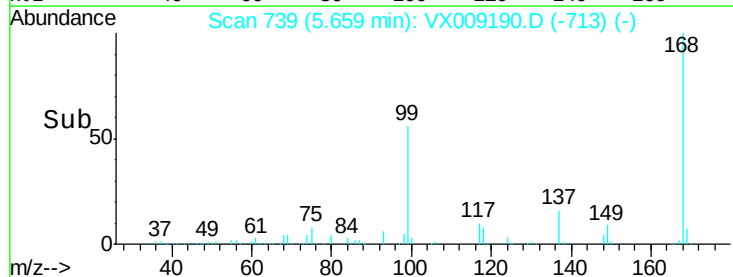
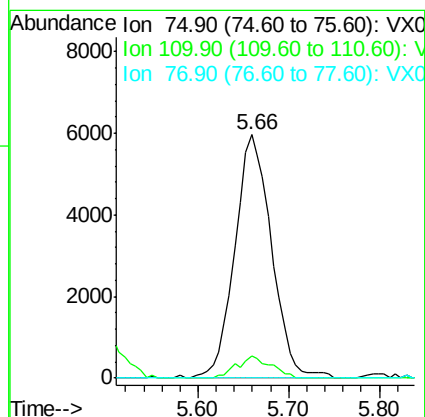
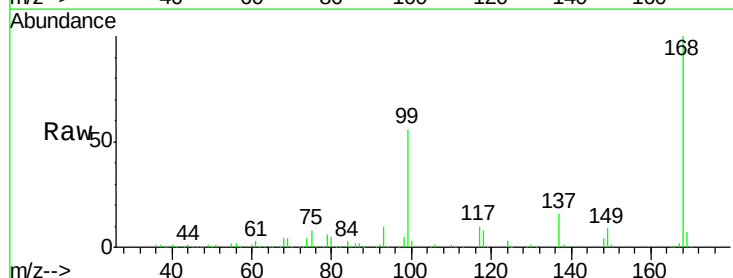
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

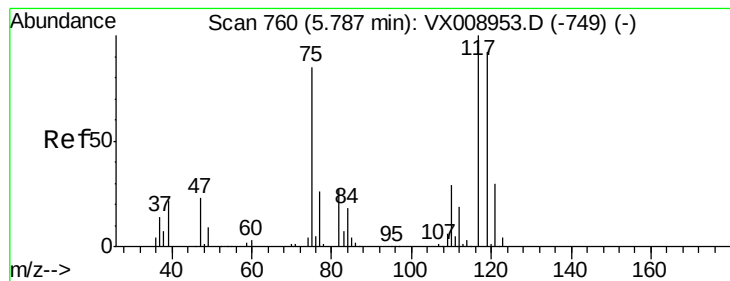
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	21.4	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009190.D
 Acq: 26 Apr 2019 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.9	50.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.853 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

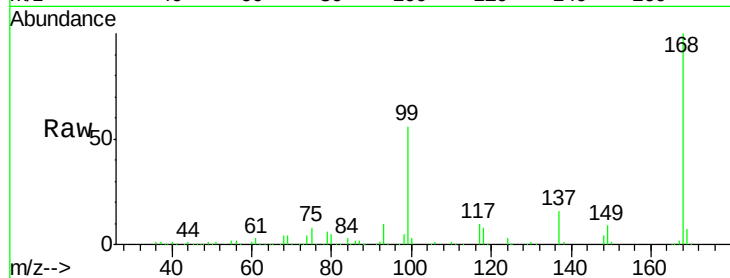
Tot Ion: 117 Resp: 20341

Ion Ratio Lower Upper

117 100

119 3.9 73.8 110.8#

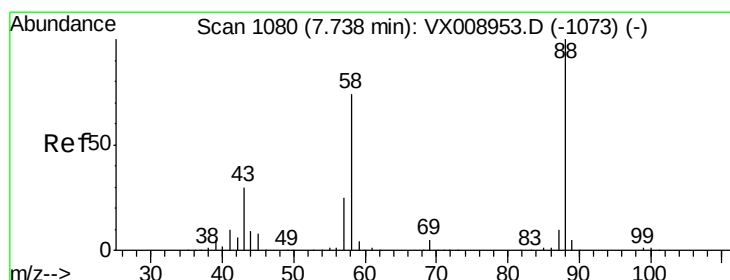
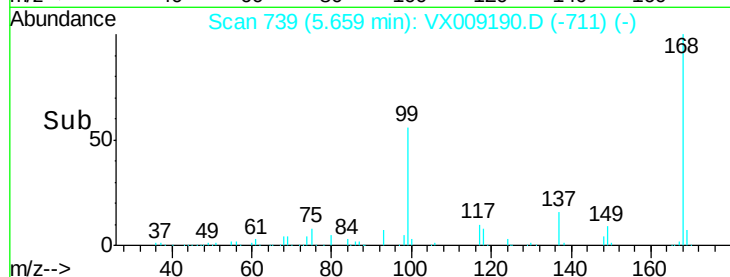
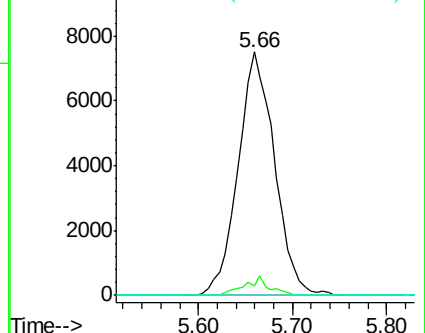
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.357 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

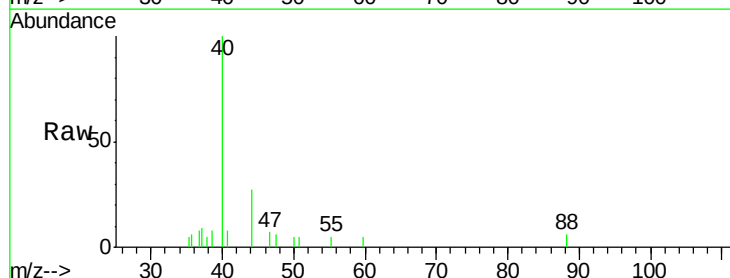
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

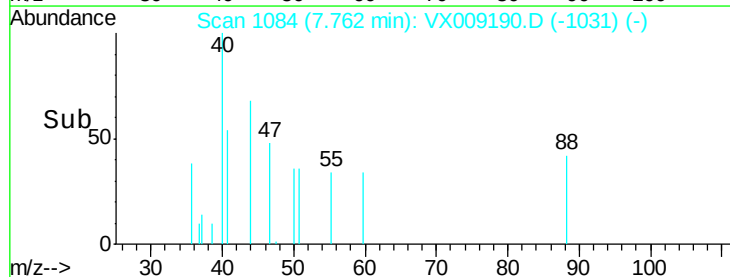
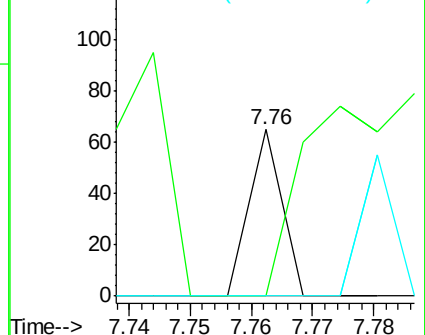
58 0.0 62.6 93.8#

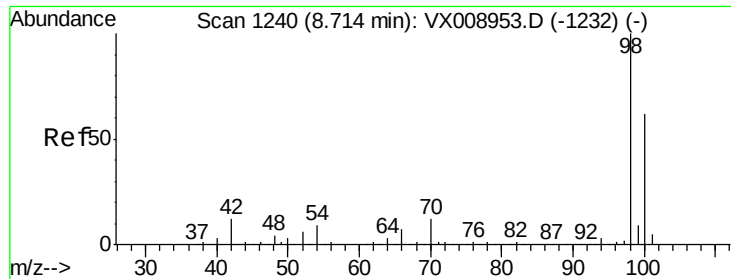


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

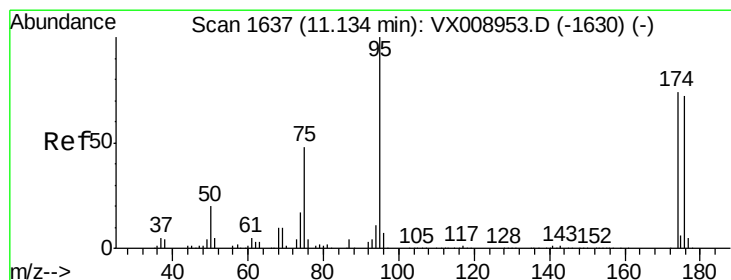
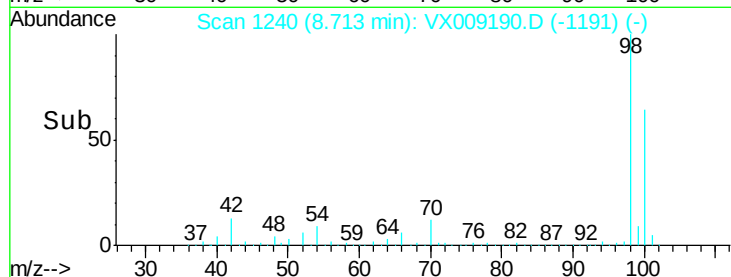
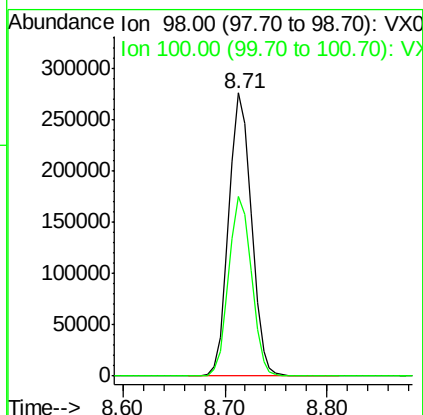
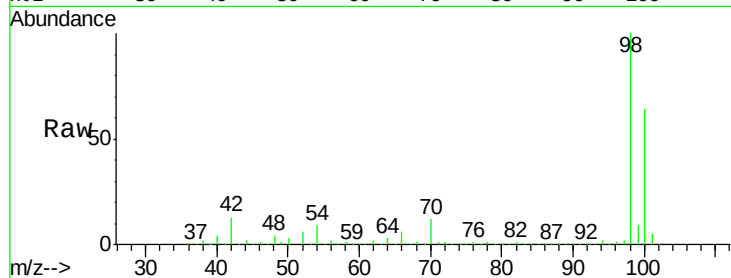




#50
Toluene-d8
Concen: 49.115 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009190.D
Acq: 26 Apr 2019 15:23

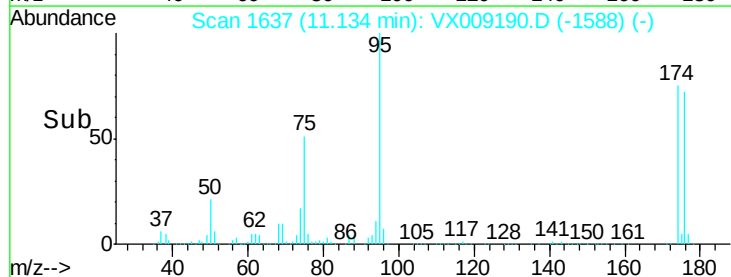
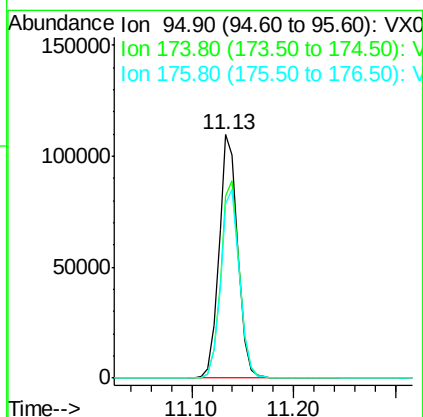
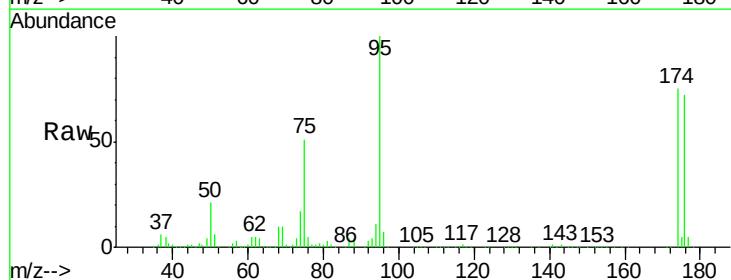
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

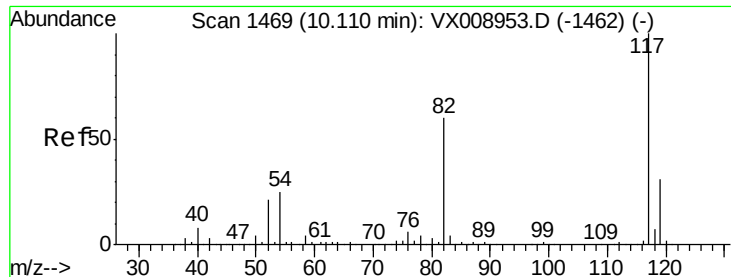
Tot Ion: 98 Resp: 425579
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.878 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009190.D
Acq: 26 Apr 2019 15:23

Tgt Ion: 95 Resp: 140329
Ion Ratio Lower Upper
95 100
174 81.3 0.0 159.6
176 77.8 0.0 154.8

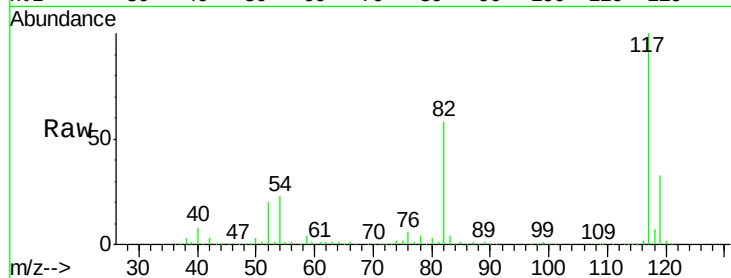




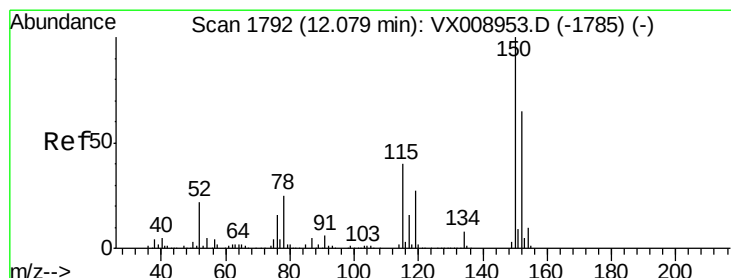
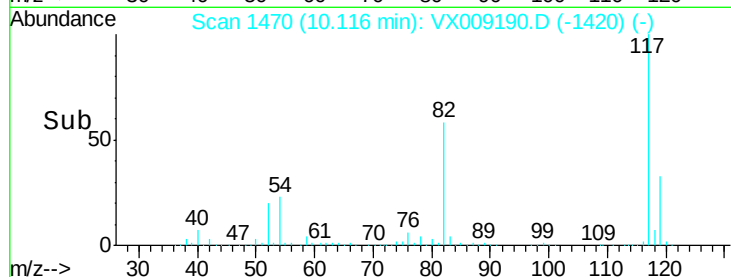
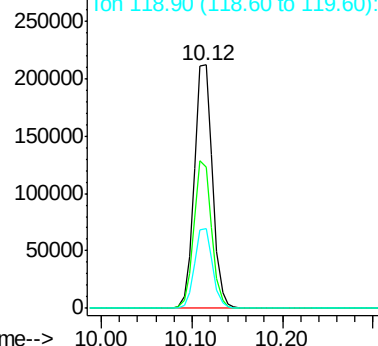
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009190.D
Acq: 26 Apr 2019 15:23

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

Tot Ion:117 Resp: 295210
Ion Ratio Lower Upper
117 100
82 57.9 48.2 72.4
119 32.8 25.0 37.6

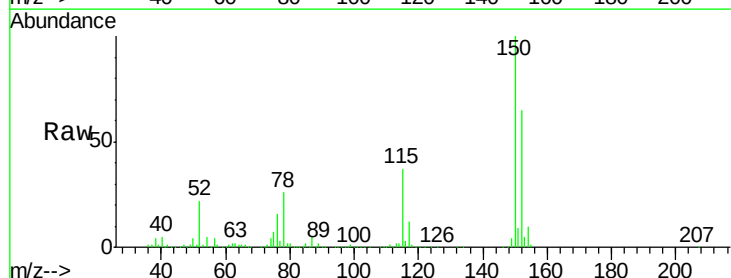


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

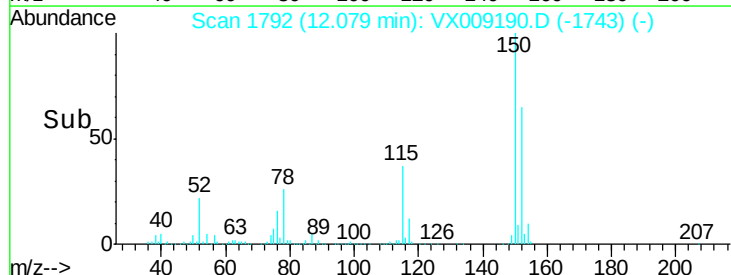
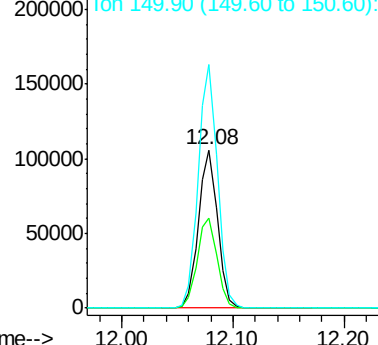


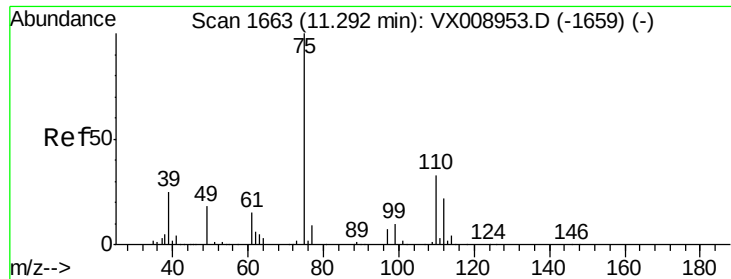
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009190.D
Acq: 26 Apr 2019 15:23

Tgt Ion:152 Resp: 125527
Ion Ratio Lower Upper
152 100
115 59.0 41.4 124.2
150 155.5 0.0 349.8



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: 23.441 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

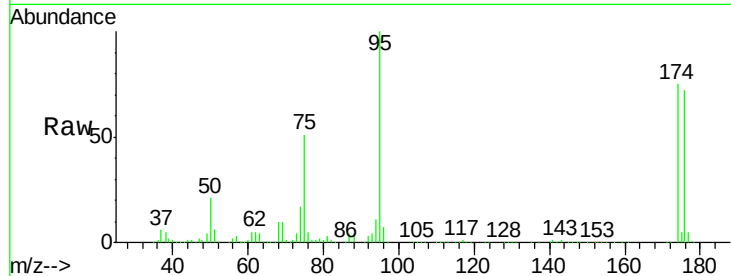
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 71849

Ion Ratio Lower Upper

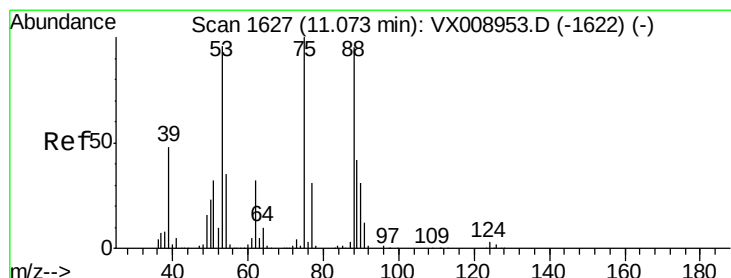
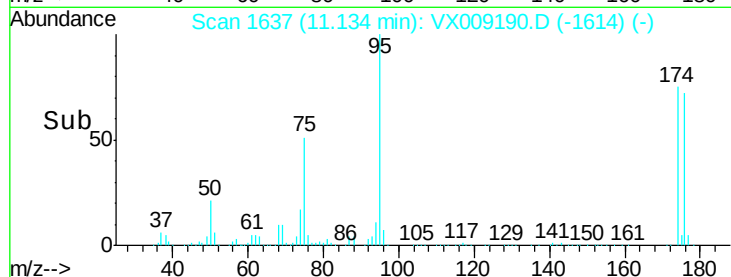
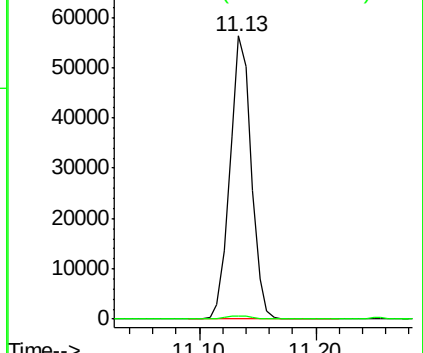
75 100

77 1.4 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 60.179 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009190.D

Acq: 26 Apr 2019 15:23

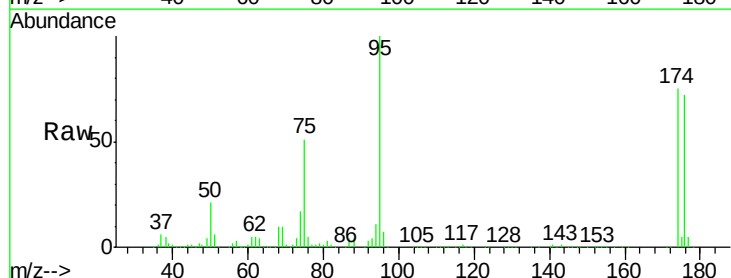
Tgt Ion: 75 Resp: 71849

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

