

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX082019\
 Data File : VX011682.D
 Acq On : 20 Aug 2019 14:14
 Operator : JC/SP
 Sample : K4397-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 20 23:22:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	395970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	562934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	511735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	248503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	205706	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	5.49	113	162813	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	
50) Toluene-d8	8.71	98	657362	57.30	ug/l	0.00
Spiked Amount			Recovery	=	114.60%	
62) 4-Bromofluorobenzene	11.13	95	233380	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	

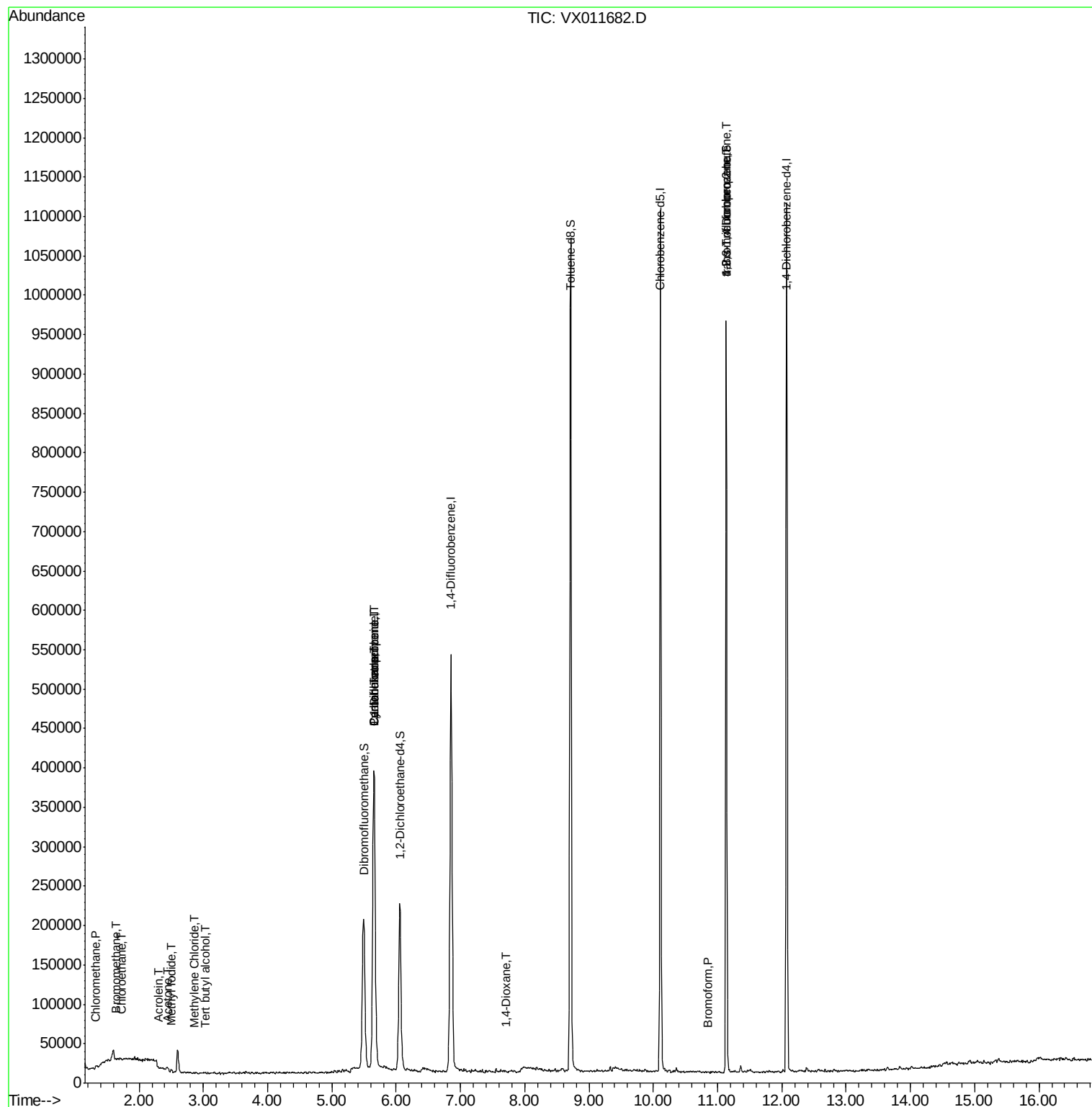
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1147	0.284	ug/l #	83
5) Bromomethane	1.64	94	1046	0.639	ug/l #	78
6) Chloroethane	1.72	64	488	0.282	ug/l #	43
10) Methyl Iodide	2.51	142	1977	0.397	ug/l #	81
11) Tert butyl alcohol	3.03	59	1562	1.734	ug/l	98
13) Acrolein	2.31	56	355	13.402	ug/l #	27
16) Acetone	2.44	43	5497	2.977	ug/l	97
20) Methylene Chloride	2.85	84	878	0.226	ug/l #	65
31) Cyclohexane	5.65	56	6568	1.206	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	24274	5.043	ug/l #	51
38) Carbon Tetrachloride	5.65	117	34998	6.600	ug/l #	15
49) 1,4-Dioxane	7.71	88	128	1.125	ug/l #	25
71) Bromoform	10.85	173	133	3.323	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	109191	23.172	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	109191	61.626	ug/l #	11

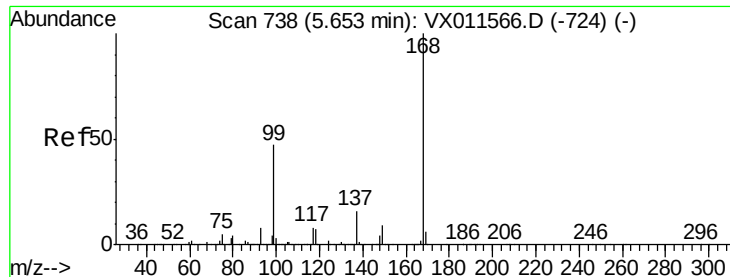
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011682.D

Acq: 20 Aug 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

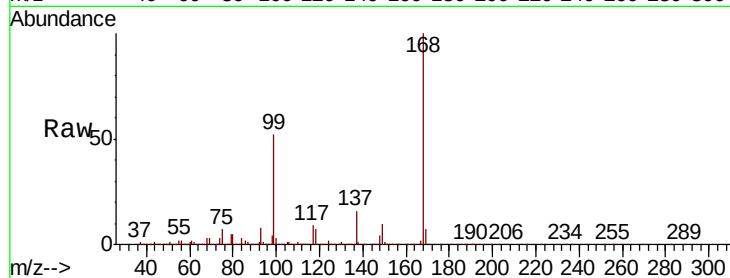
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 395970

Ion Ratio Lower Upper

168 100

99 51.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

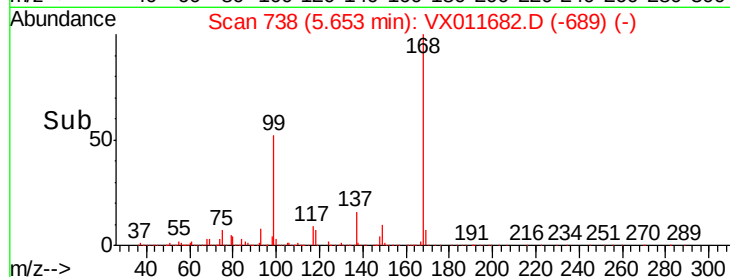
150000

100000

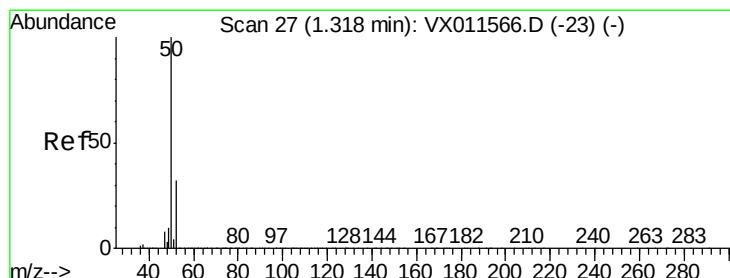
50000

0

5.50 5.60 5.70 5.80



Time-->



#3

Chloromethane

Concen: 0.284 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011682.D

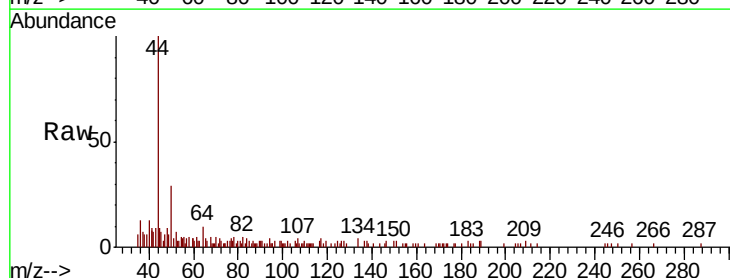
Acq: 20 Aug 2019 14:14

Tgt Ion: 50 Resp: 1147

Ion Ratio Lower Upper

50 100

52 23.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

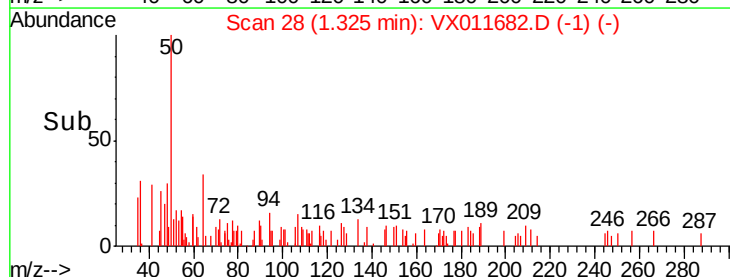
600

400

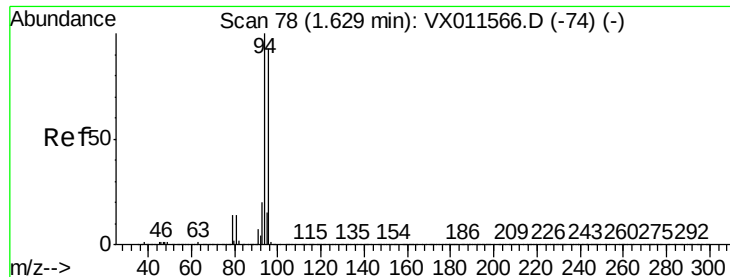
200

0

1.30 1.35



Time-->



#5

Bromomethane

Concen: 0.639 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011682.D

Acq: 20 Aug 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

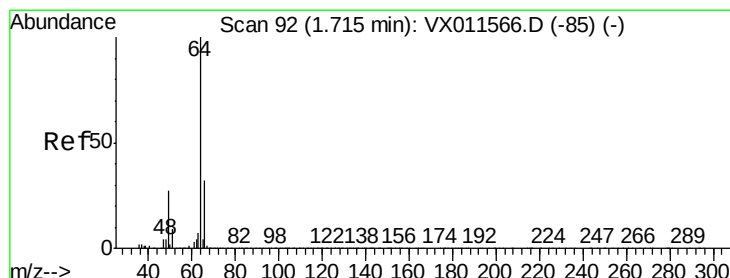
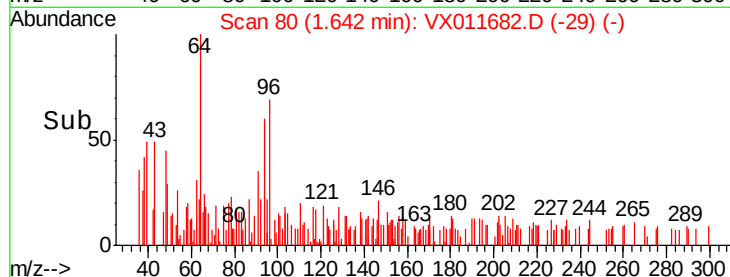
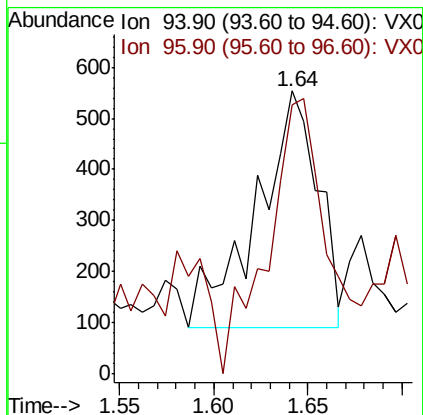
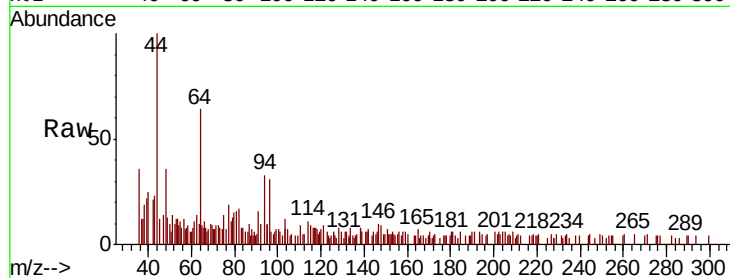
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 94 Resp: 1046

Ion Ratio Lower Upper

94 100

96 72.6 74.8 112.2#



#6

Chloroethane

Concen: 0.282 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011682.D

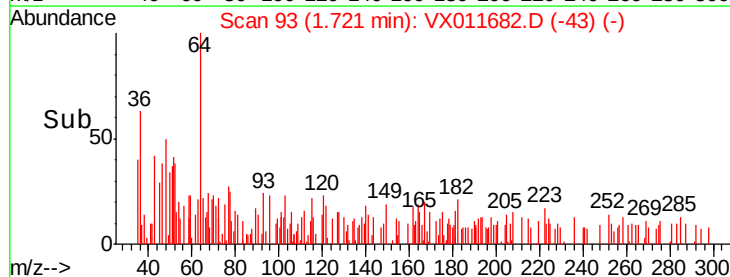
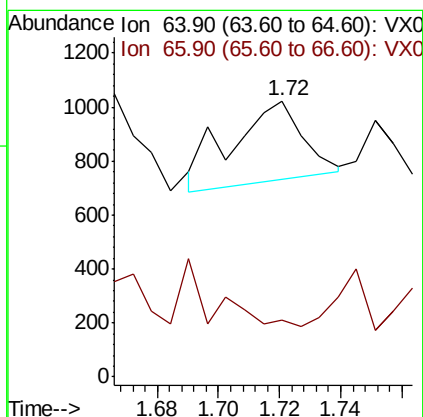
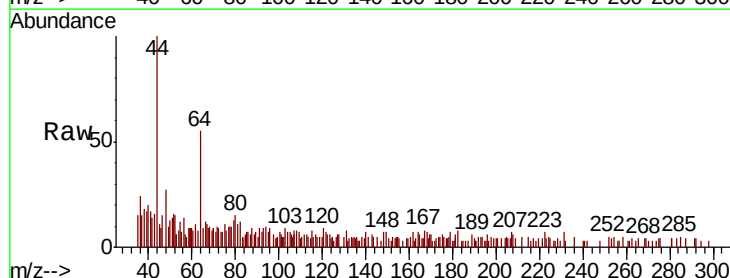
Acq: 20 Aug 2019 14:14

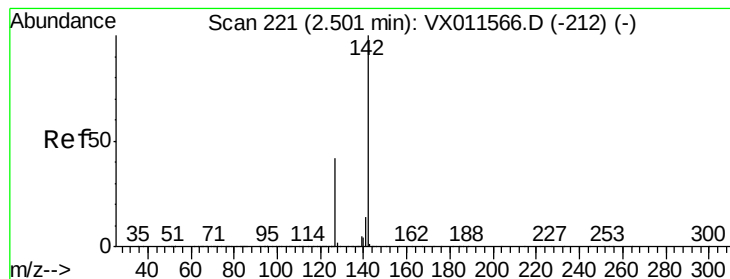
Tgt Ion: 64 Resp: 488

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#





#10

Methyl Iodide

Concen: 0.397 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011682.D

Acq: 20 Aug 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

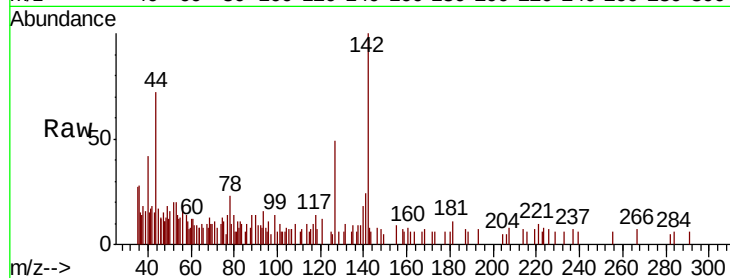
Tgt Ion:142 Resp: 1977

Ion Ratio Lower Upper

142 100

127 57.1 32.8 49.2#

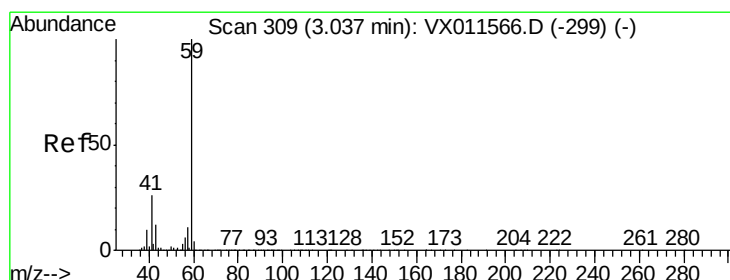
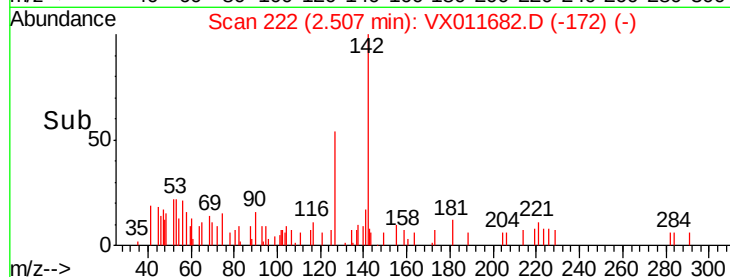
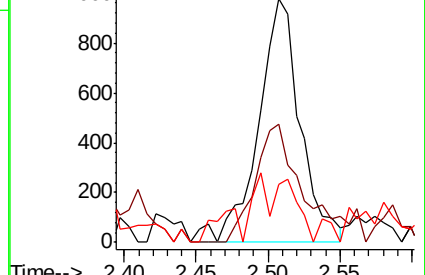
141 14.0 11.4 17.2



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



#11

Tert butyl alcohol

Concen: 1.734 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX011682.D

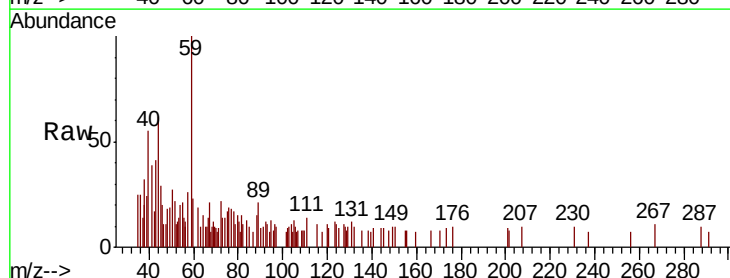
Acq: 20 Aug 2019 14:14

Tgt Ion: 59 Resp: 1562

Ion Ratio Lower Upper

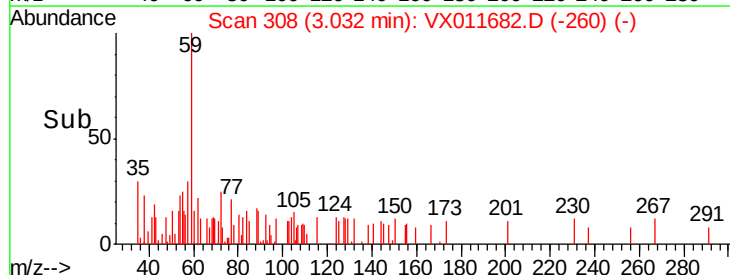
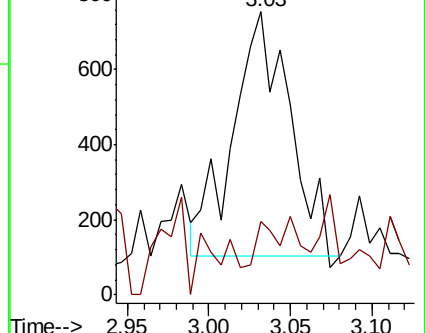
59 100

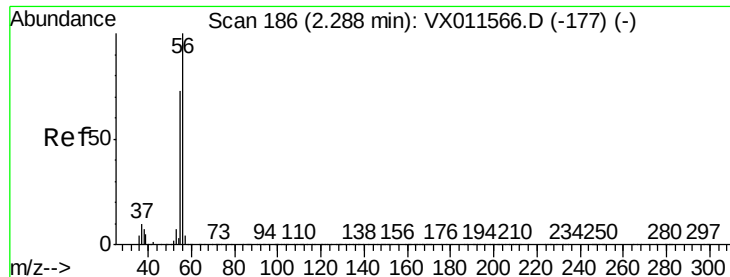
57 10.2 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 13.402 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011682.D

Acq: 20 Aug 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

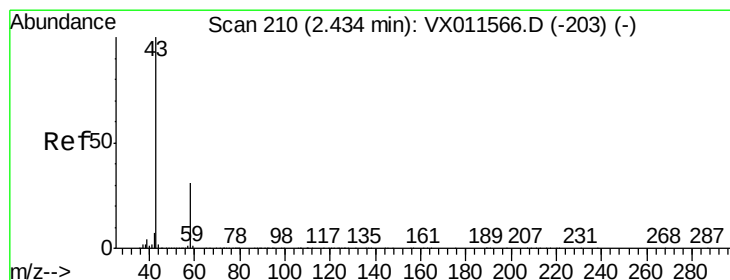
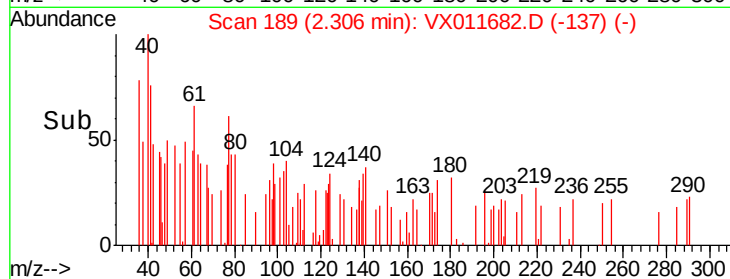
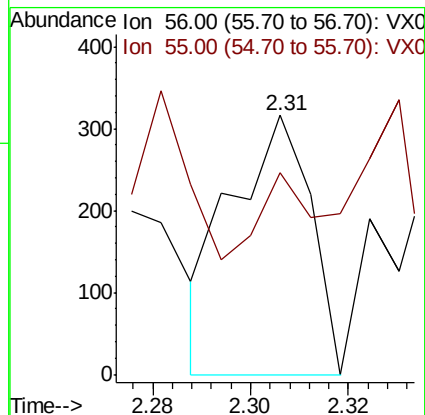
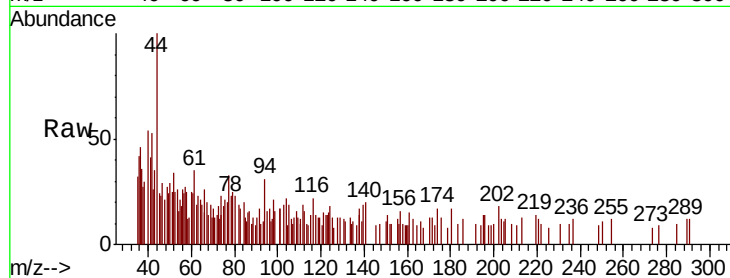
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 56 Resp: 355

Ion Ratio Lower Upper

56 100

55 10.1 55.5 83.3#



#16

Acetone

Concen: 2.977 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011682.D

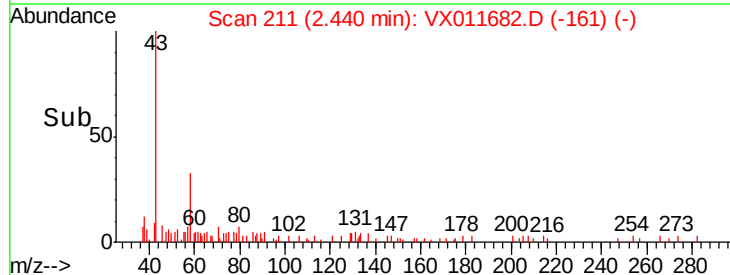
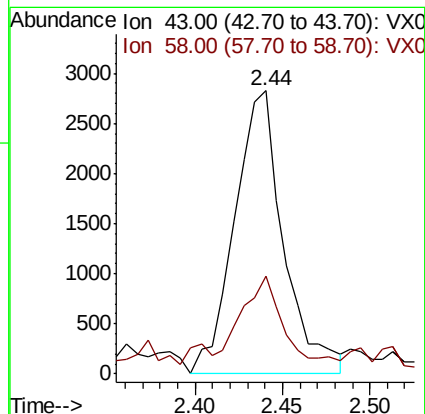
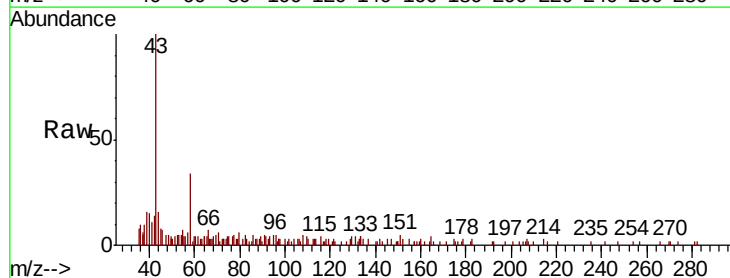
Acq: 20 Aug 2019 14:14

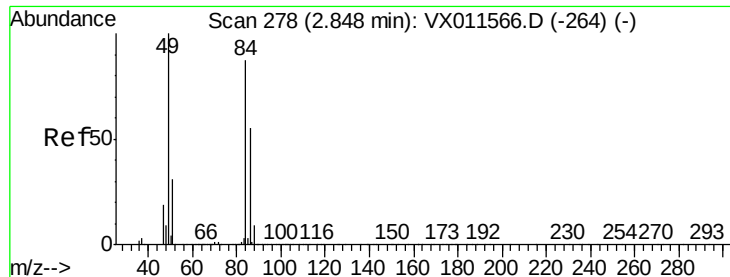
Tgt Ion: 43 Resp: 5497

Ion Ratio Lower Upper

43 100

58 29.7 25.2 37.8

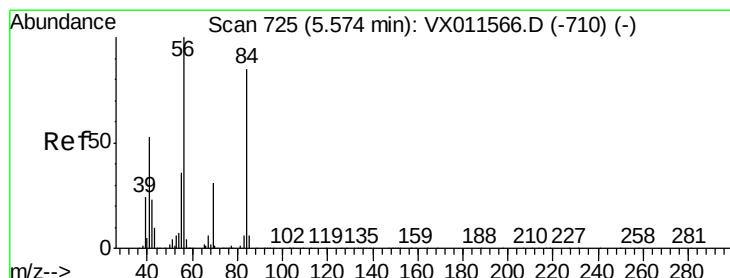
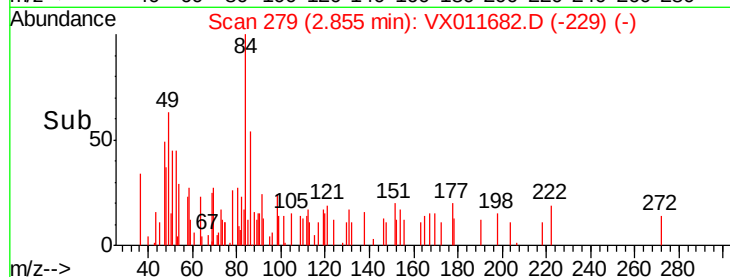
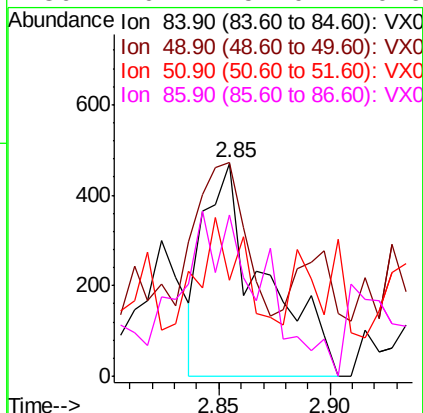
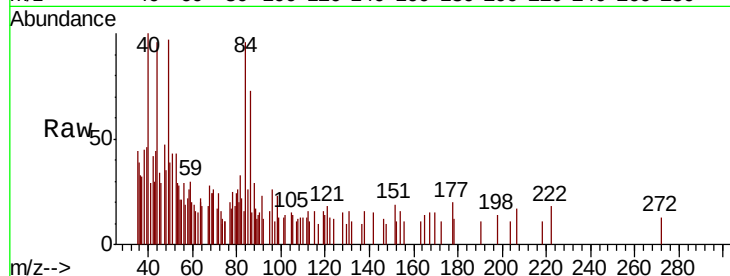




#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011682.D
Acq: 20 Aug 2019 14:14

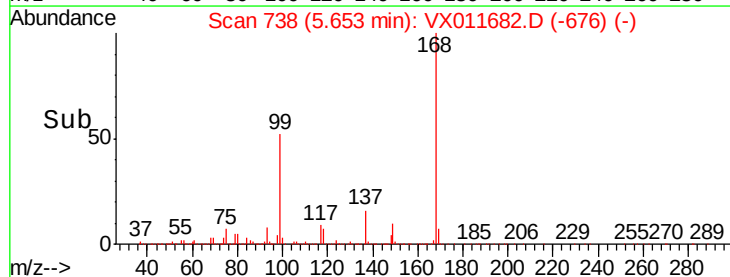
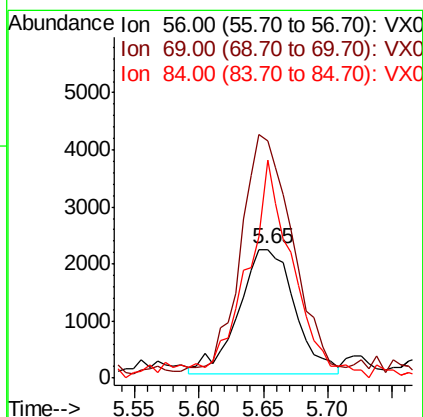
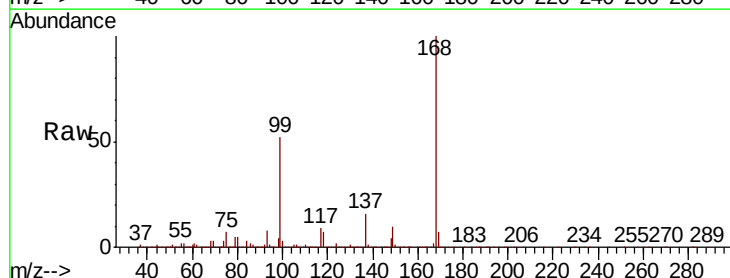
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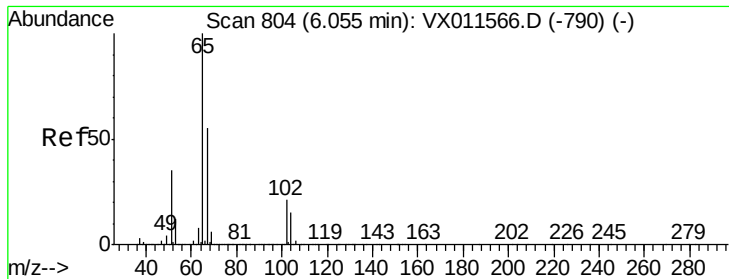
Tgt Ion:	84	Resp:	878
Ion	Ratio	Lower	Upper
84	100		
49	70.6	92.4	138.6#
51	0.0	28.5	42.7#
86	70.2	51.0	76.6



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX011682.D
Acq: 20 Aug 2019 14:14

Tgt Ion:	56	Resp:	6568
Ion	Ratio	Lower	Upper
56	100		
69	191.9	24.8	37.2#
84	175.4	67.9	101.9#

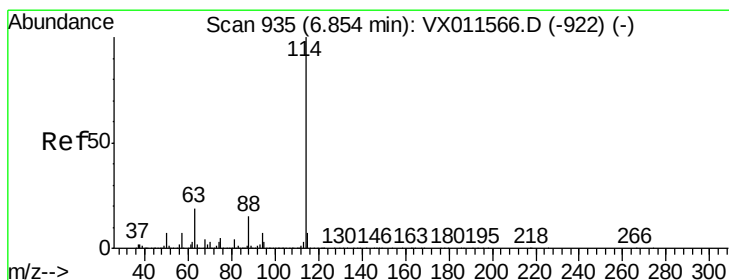
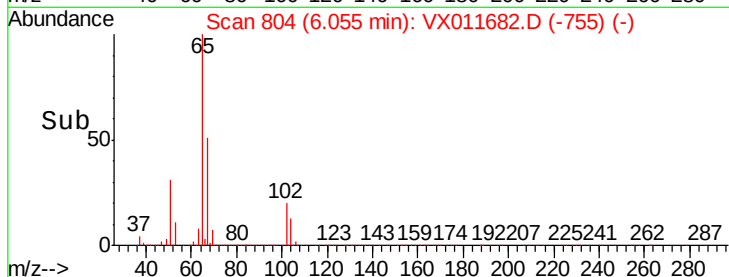
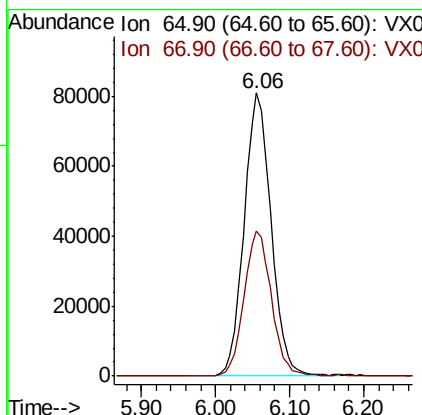
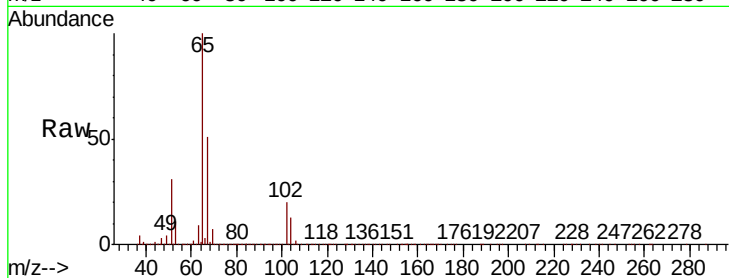




#33
 1,2-Dichloroethane-d4
 Concen: 56.019 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011682.D
 Acq: 20 Aug 2019 14:14

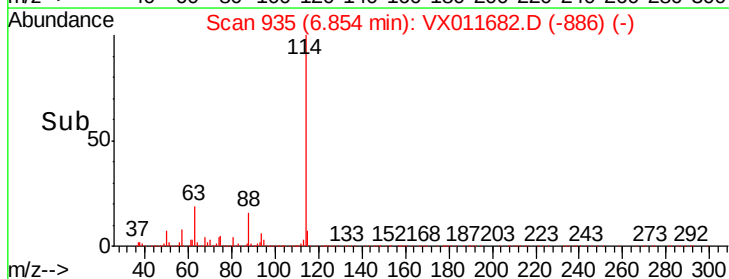
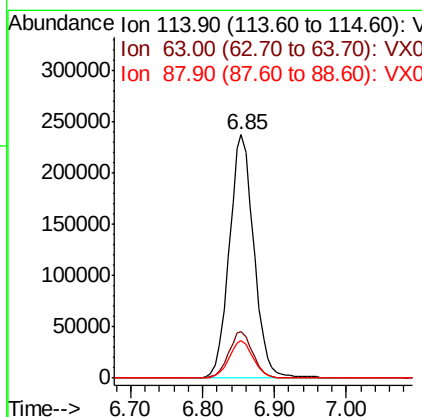
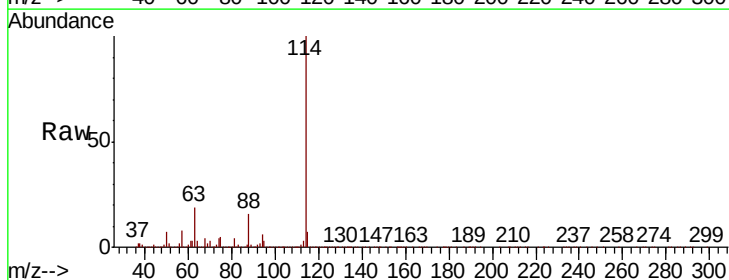
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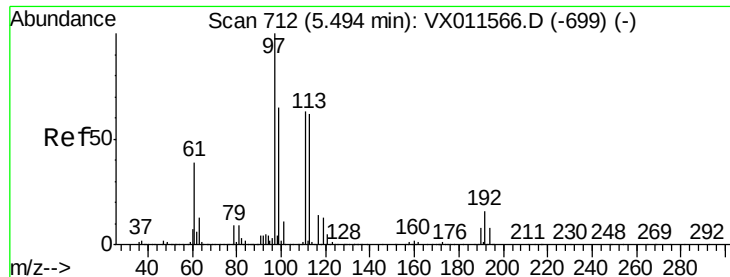
Tgt Ion: 65 Resp: 205706
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011682.D
 Acq: 20 Aug 2019 14:14

Tgt Ion: 114 Resp: 562934
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.5 0.0 30.2

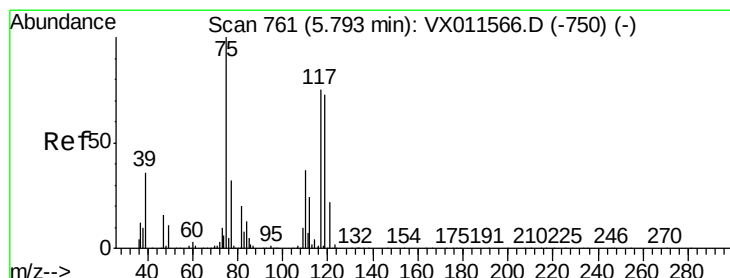
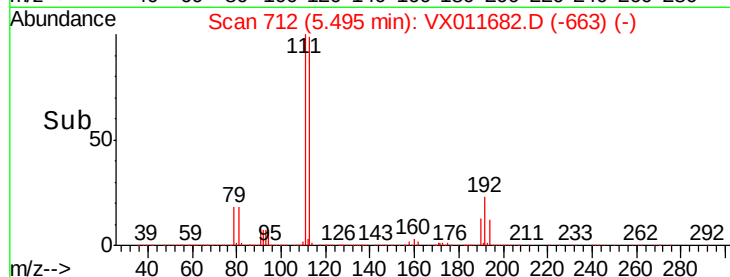
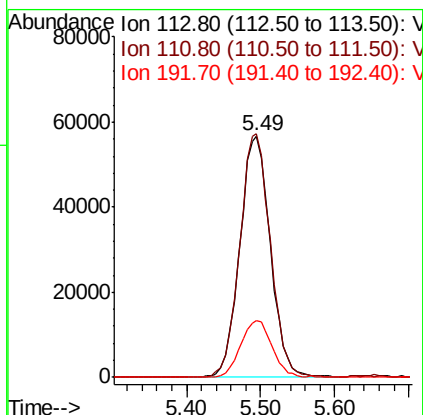
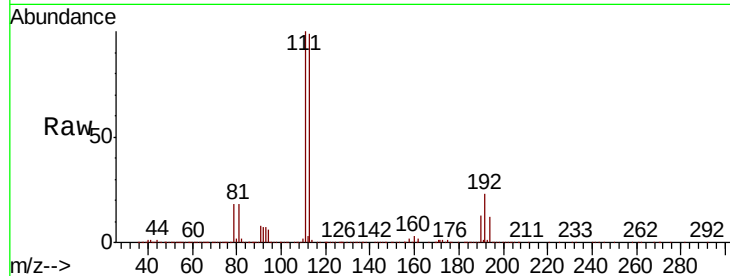




#35
 Dibromofluoromethane
 Concen: 44.219 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011682.D
 Acq: 20 Aug 2019 14:14

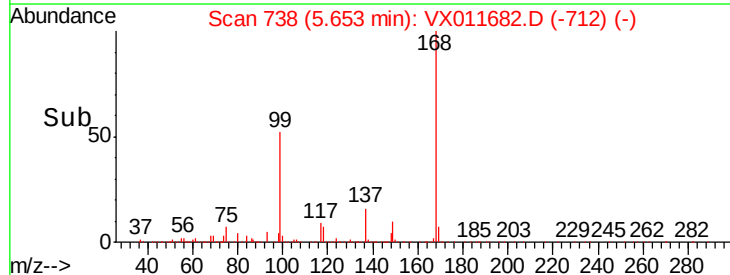
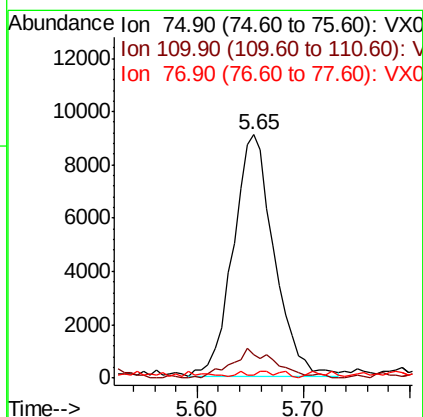
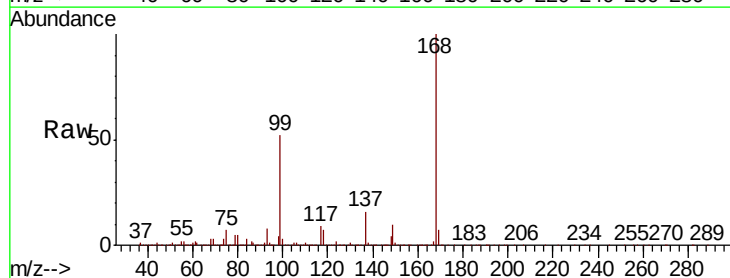
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 STORAGE-BLANK-SOIL-REF-6

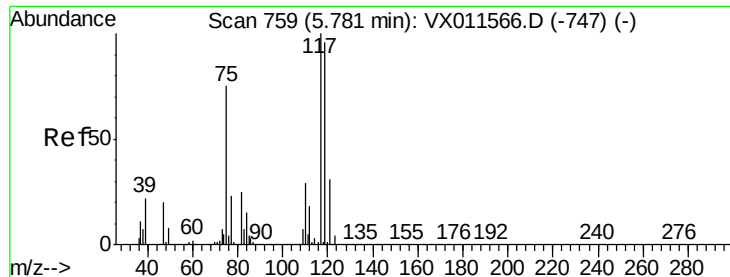
Tgt Ion: 113 Resp: 162813
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 24.2 20.8 31.2



#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011682.D
 Acq: 20 Aug 2019 14:14

Tgt Ion: 75 Resp: 24274
 Ion Ratio Lower Upper
 75 100
 110 12.9 19.4 58.1#
 77 0.5 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.600 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011682.D

Acq: 20 Aug 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

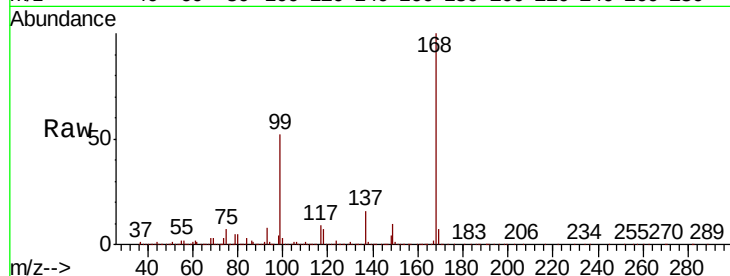
Tgt Ion: 117 Resp: 34998

Ion Ratio Lower Upper

117 100

119 3.4 76.9 115.3#

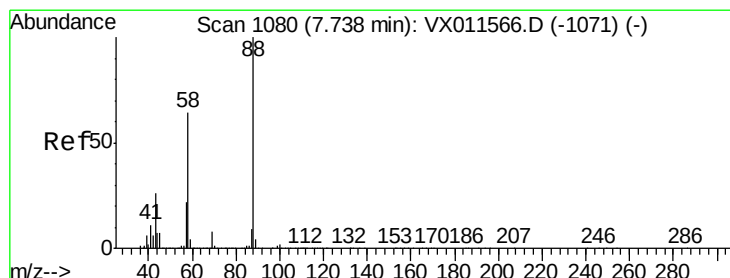
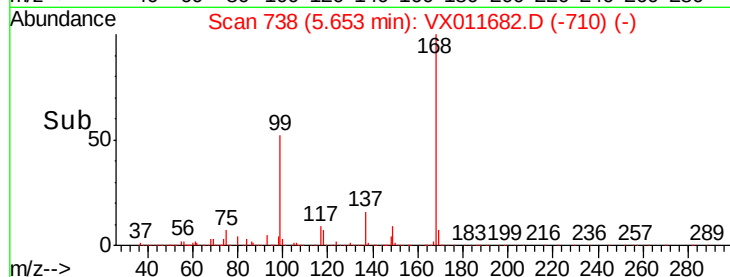
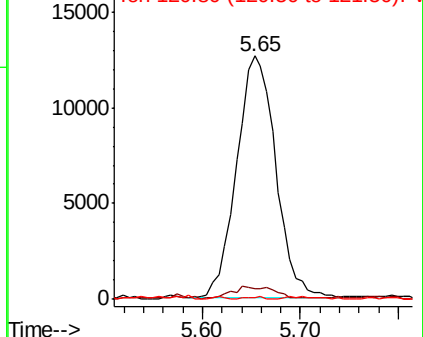
121 0.4 24.8 37.2#



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: 1.125 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.02 min

Lab File: VX011682.D

Acq: 20 Aug 2019 14:14

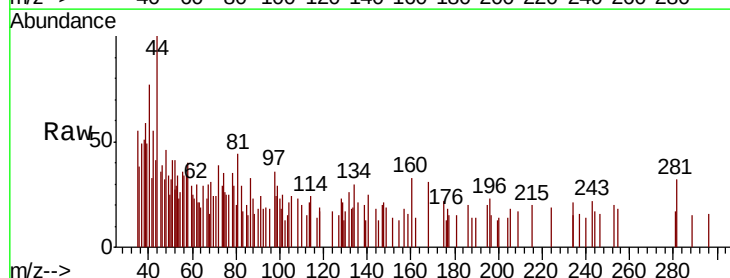
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

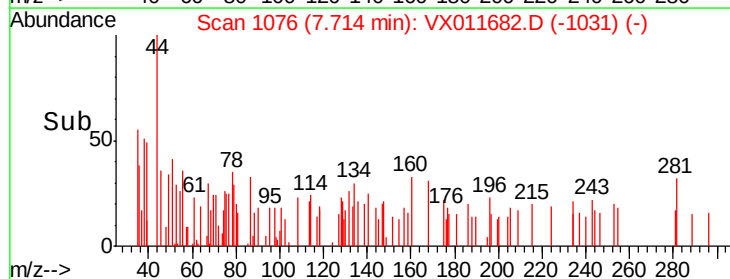
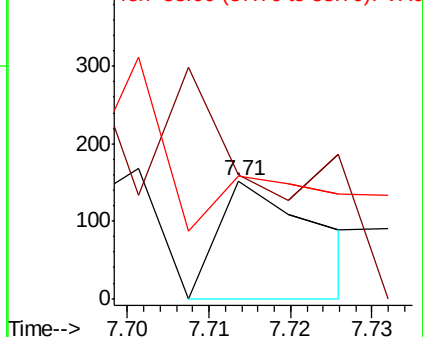
58 0.0 54.3 81.5#

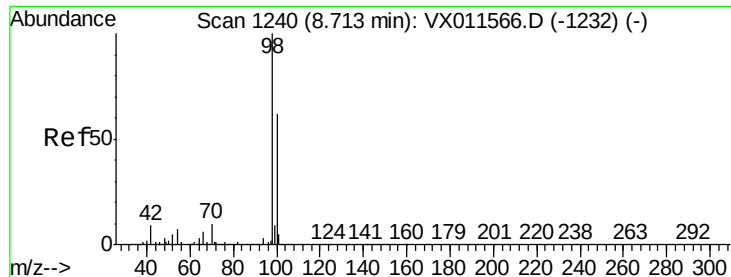


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

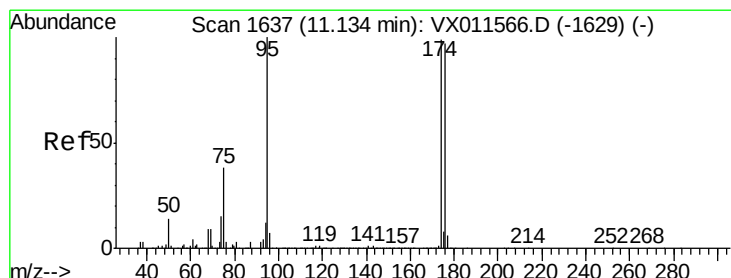
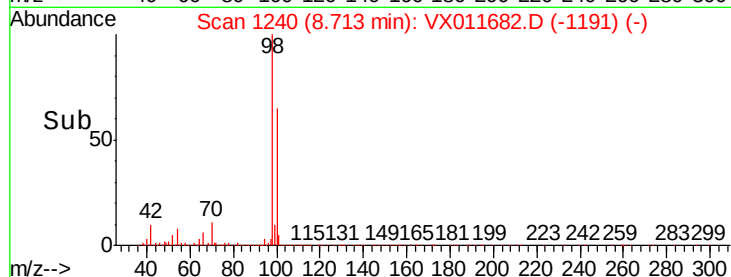
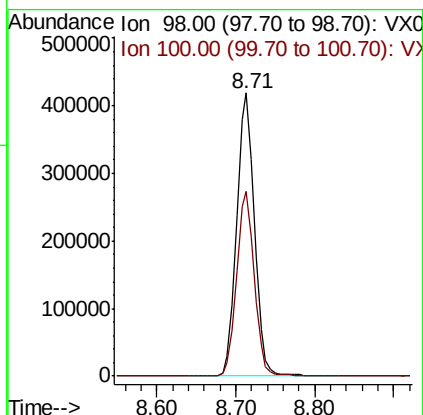
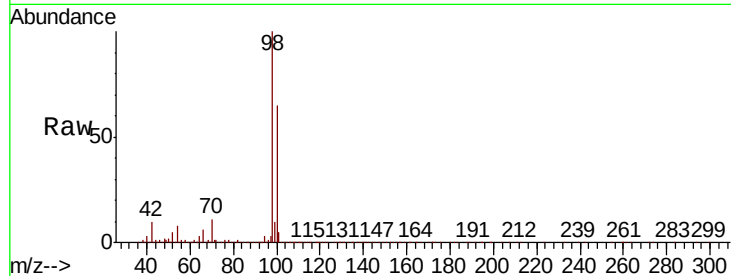




#50
Toluene-d8
Concen: 57.299 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011682.D
Acq: 20 Aug 2019 14:14

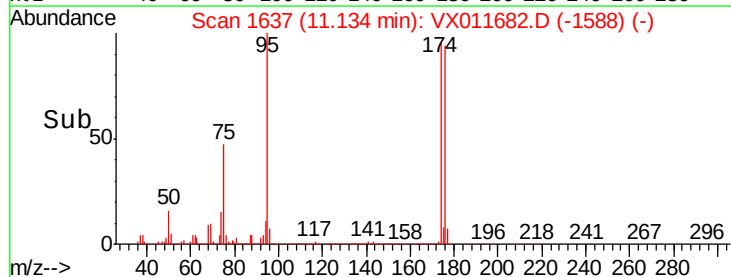
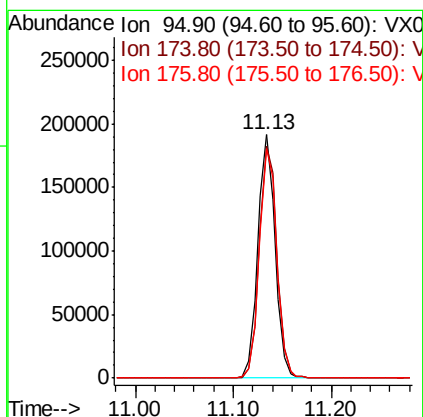
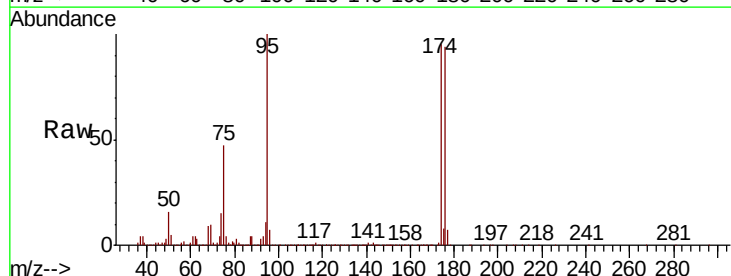
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

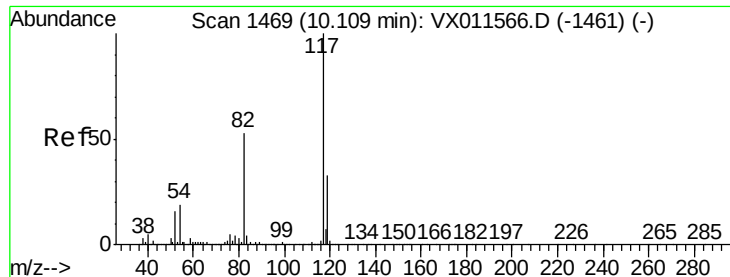
Tgt Ion: 98 Resp: 657362
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.196 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011682.D
Acq: 20 Aug 2019 14:14

Tgt Ion: 95 Resp: 233380
Ion Ratio Lower Upper
95 100
174 98.0 0.0 200.6
176 96.0 0.0 196.6

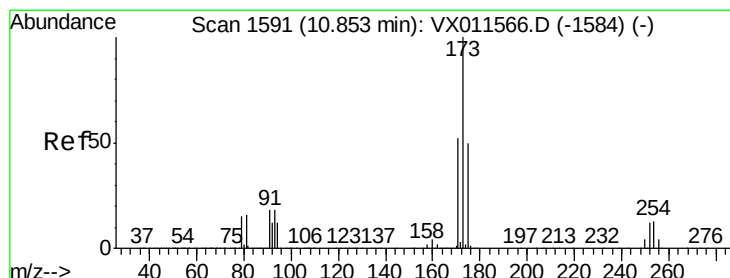
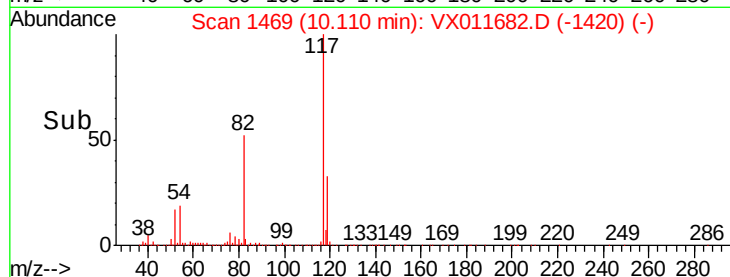
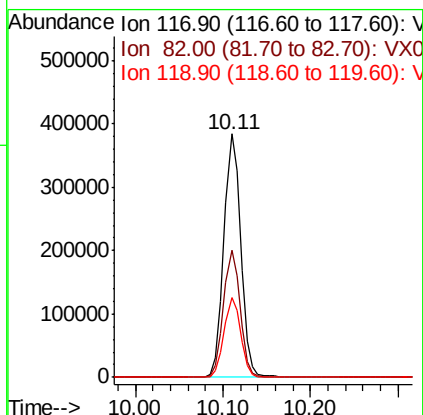
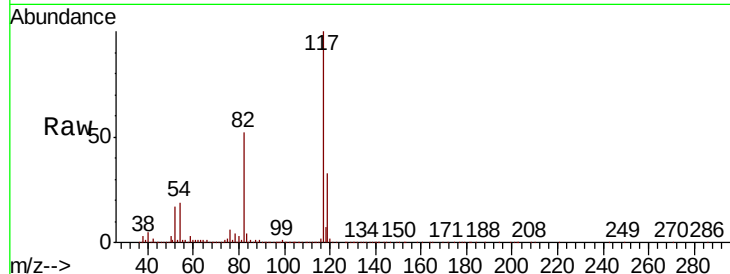




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011682.D
Acq: 20 Aug 2019 14:14

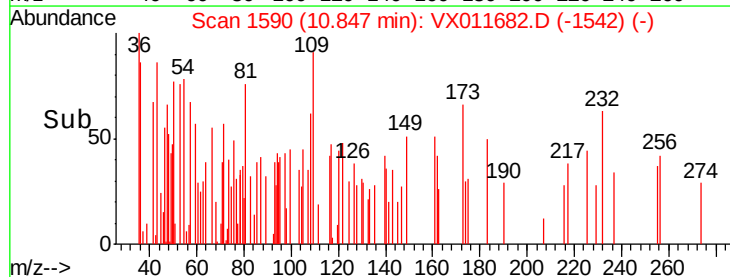
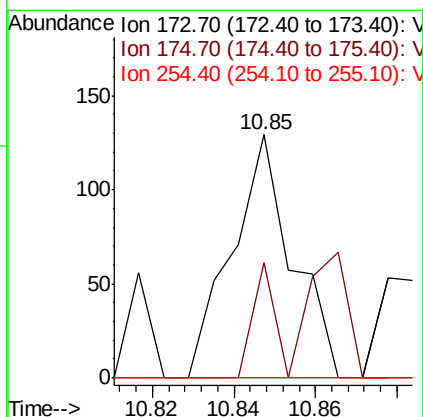
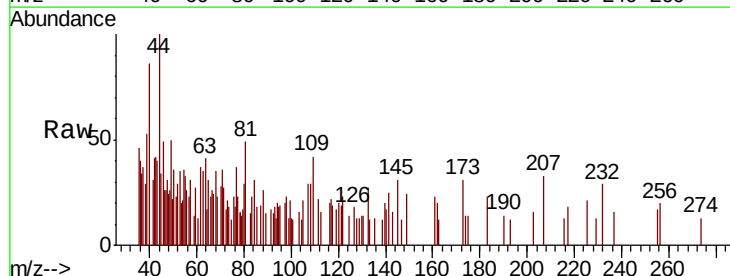
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

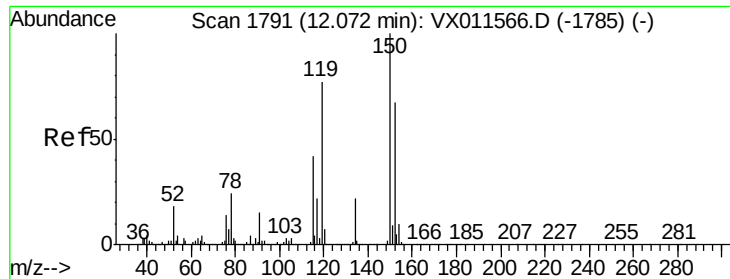
Tgt Ion:117 Resp: 511735
Ion Ratio Lower Upper
117 100
82 52.4 42.0 63.0
119 32.9 26.5 39.7



#71
Bromoform
Concen: 3.323 ug/l
RT: 10.85 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VX011682.D
Acq: 20 Aug 2019 14:14

Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#

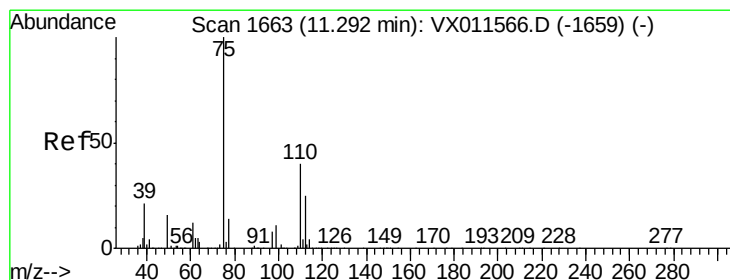
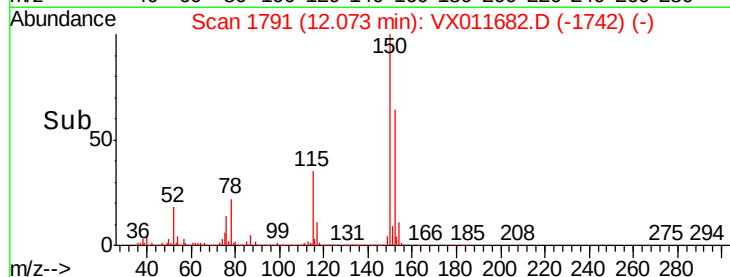
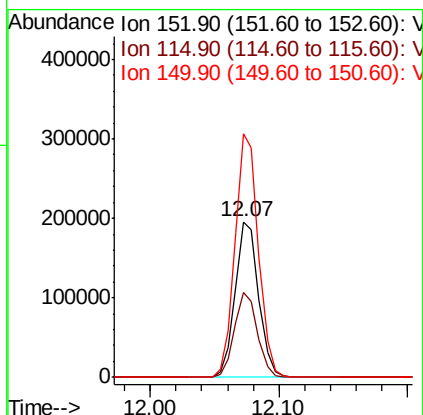
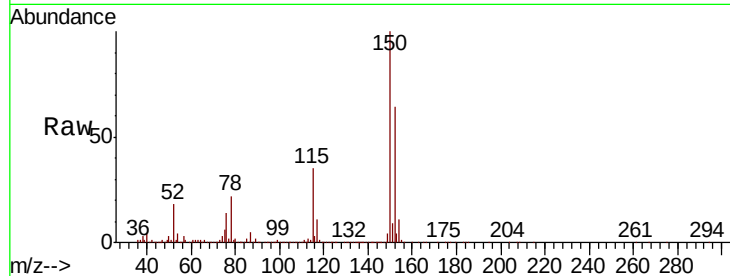




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011682.D
 Acq: 20 Aug 2019 14:14

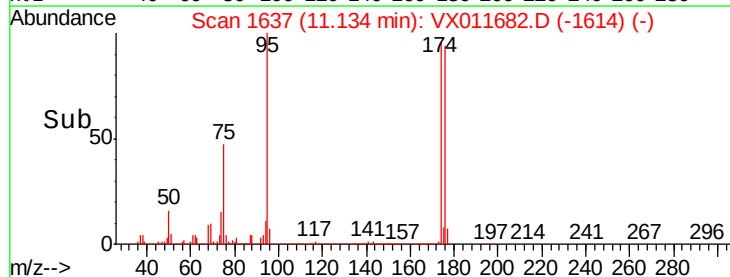
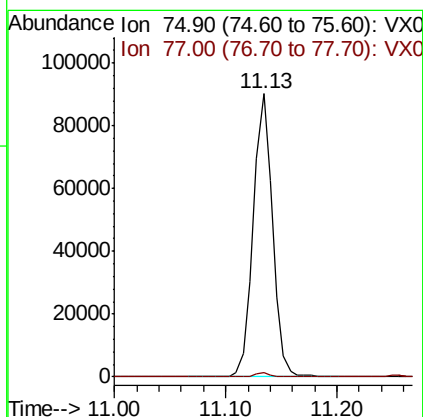
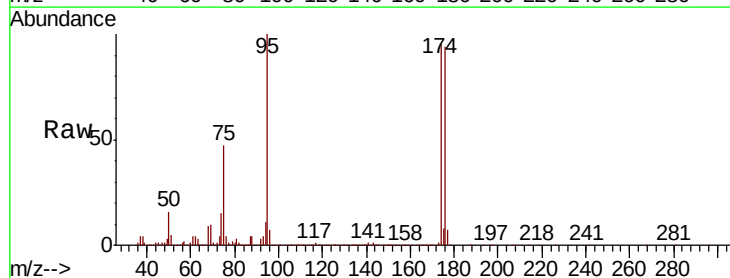
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

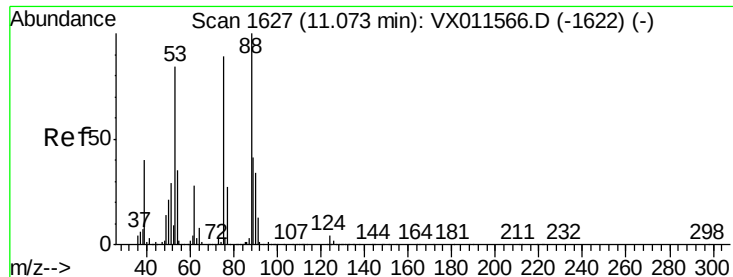
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	37.3	111.9
150	155.6	0.0	346.2



#76
 1,2,3-Trichloropropane
 Concen: 23.172 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011682.D
 Acq: 20 Aug 2019 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	20.9	62.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.626 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011682.D

Acq: 20 Aug 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

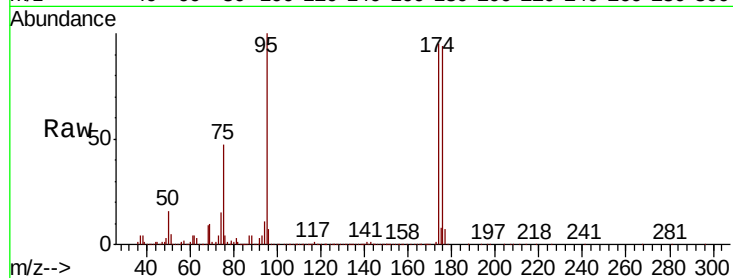
Tgt Ion: 75 Resp: 109191

Ion Ratio Lower Upper

75 100

53 0.2 77.4 116.0#

89 0.0 37.3 55.9#



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

