

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063020\
 Data File : VX017038.D
 Acq On : 30 Jun 2020 12:37
 Operator : JC/SP
 Sample : L3141-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 01 08:04:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	245436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418836	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	431857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221543	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	159292	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	5.47	113	137283	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	8.70	98	512351	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.12	95	208335	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	

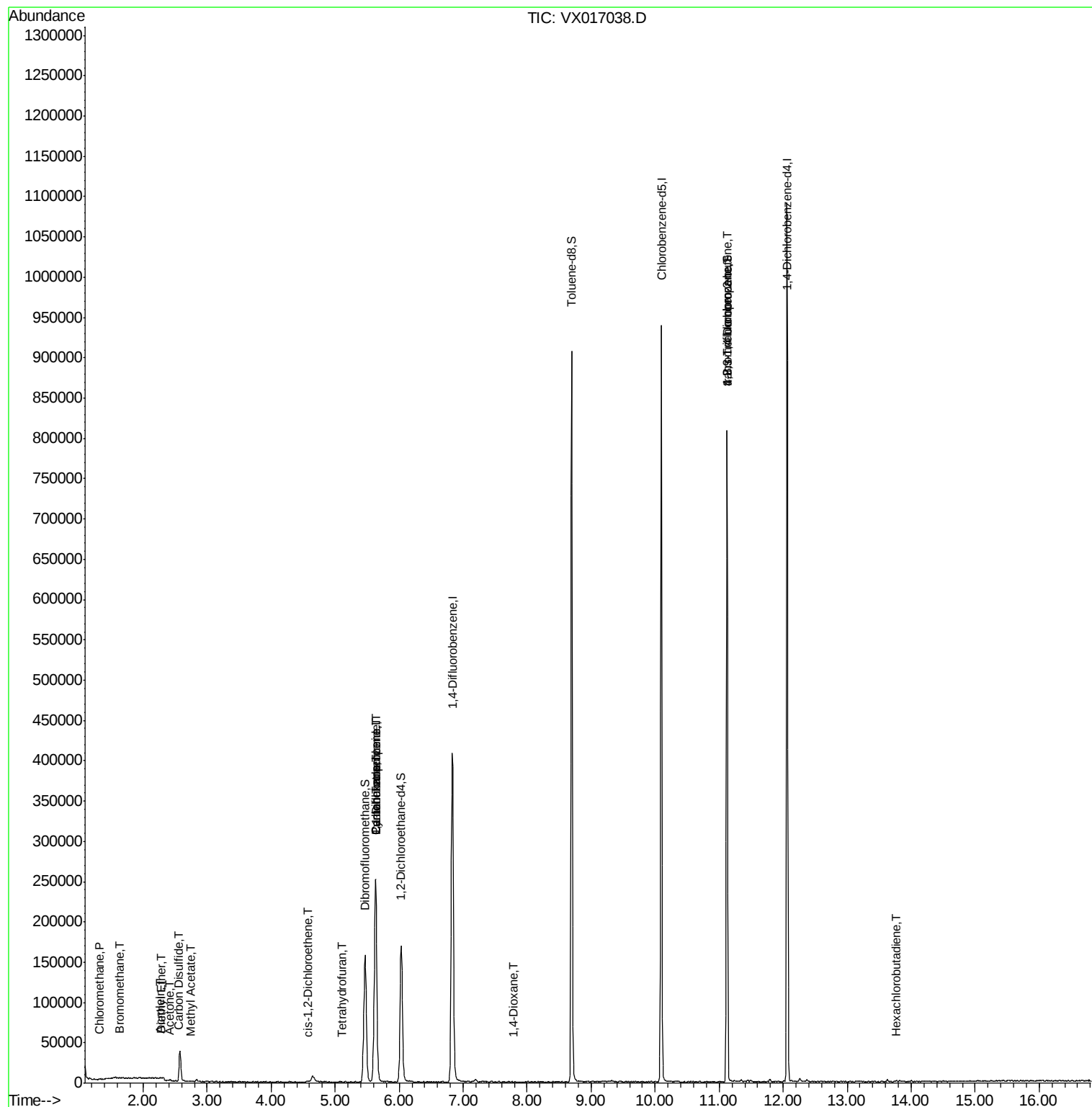
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	672	0.234	ug/l #	80
5) Bromomethane	1.64	94	482	0.342	ug/l #	43
8) Diethyl Ether	2.28	74	161	0.486	ug/l	52
13) Acrolein	2.26	56	472	1.368	ug/l #	51
16) Acetone	2.42	43	2116	1.869	ug/l	91
17) Carbon Disulfide	2.55	76	1433	0.234	ug/l #	90
18) Methyl Acetate	2.75	43	675	0.228	ug/l	99
20) Methylene Chloride	2.83	84	1045	Below Cal	#	88
27) cis-1,2-Dichloroethene	4.57	96	714	0.234	ug/l	47
29) Tetrahydrofuran	5.11	42	397	0.319	ug/l #	33
31) Cyclohexane	5.64	56	5227	1.280	ug/l #	30
36) 1,1-Dichloropropene	5.63	75	17524	4.427	ug/l #	52
38) Carbon Tetrachloride	5.64	117	23826	5.465	ug/l #	19
49) 1,4-Dioxane	7.78	88	23	0.320	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	101468	23.291	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	101468	60.316	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	571	Below Cal		91
94) Hexachlorobutadiene	13.77	225	224	0.970	ug/l	73

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

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Quant Time: Jul 01 08:04:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

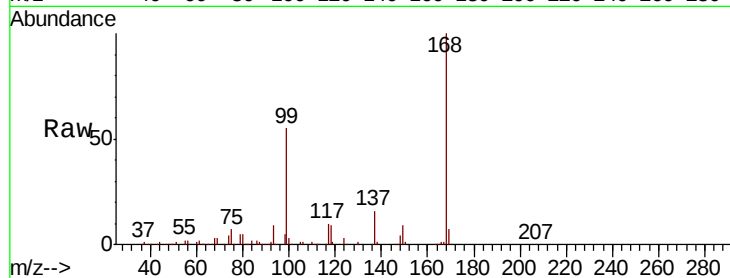
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 245436

Ion Ratio Lower Upper

168 100

99 55.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

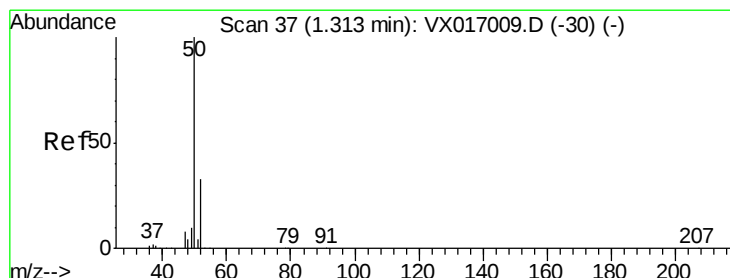
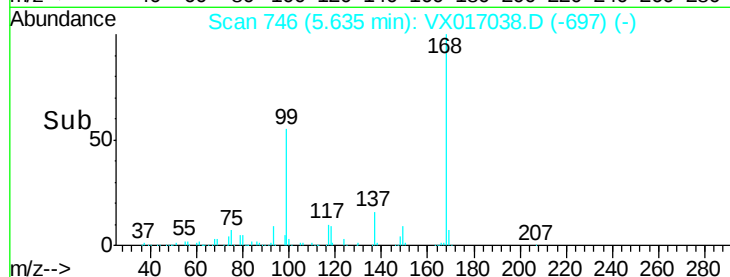
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017038.D

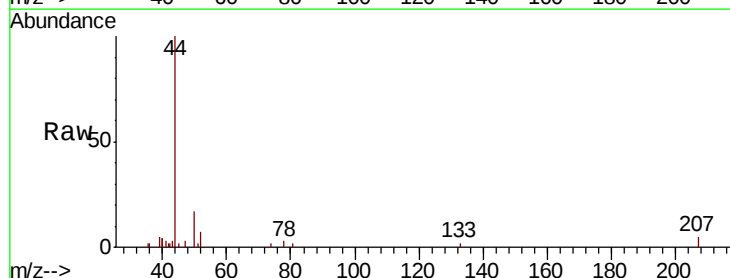
Acq: 30 Jun 2020 12:37

Tgt Ion: 50 Resp: 672

Ion Ratio Lower Upper

50 100

52 43.8 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

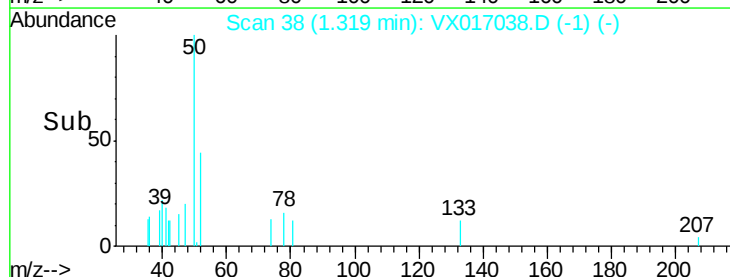
300

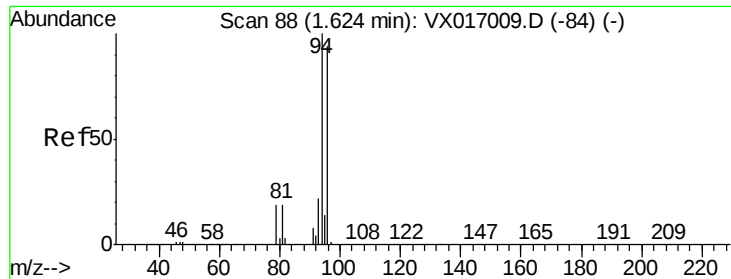
200

100

0

Time-->





#5

Bromomethane

Concen: 0.342 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

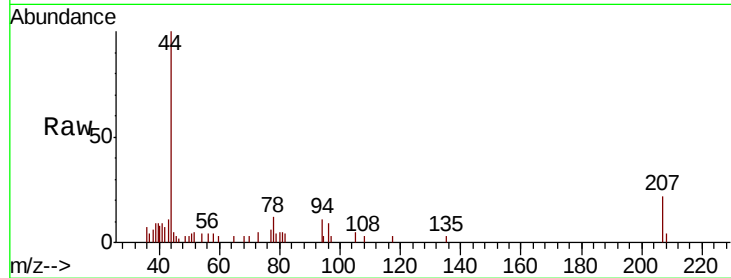
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 482

Ion Ratio Lower Upper

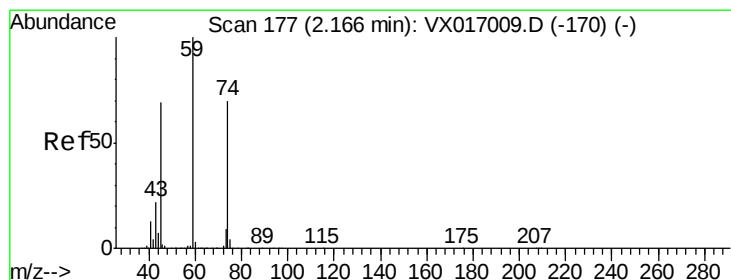
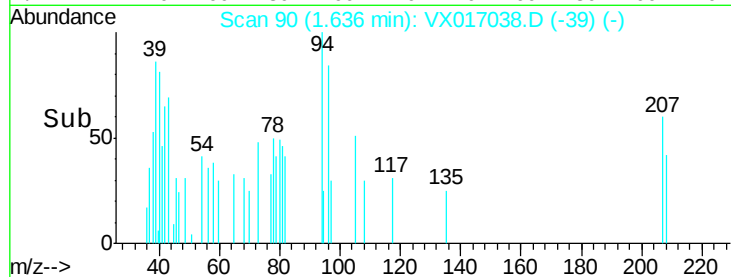
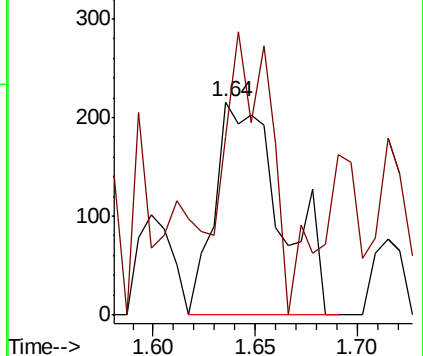
94 100

96 38.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.486 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.12 min

Lab File: VX017038.D

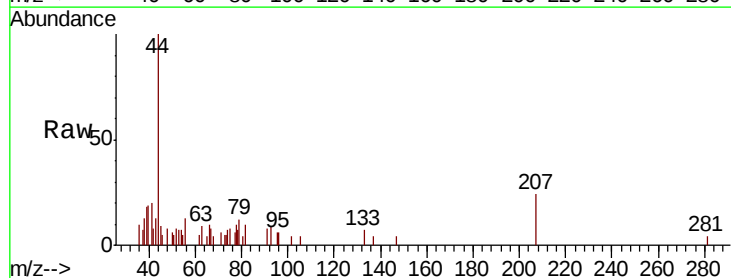
Acq: 30 Jun 2020 12:37

Tgt Ion: 74 Resp: 161

Ion Ratio Lower Upper

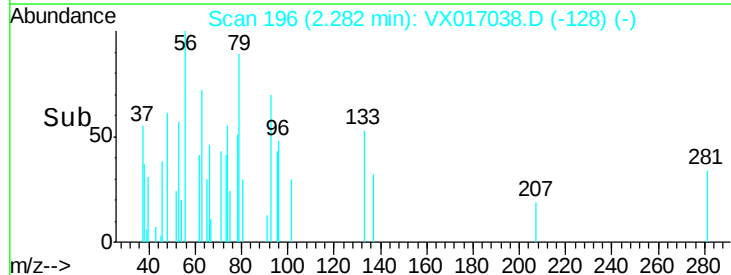
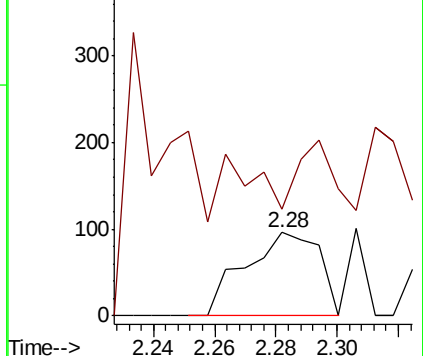
74 100

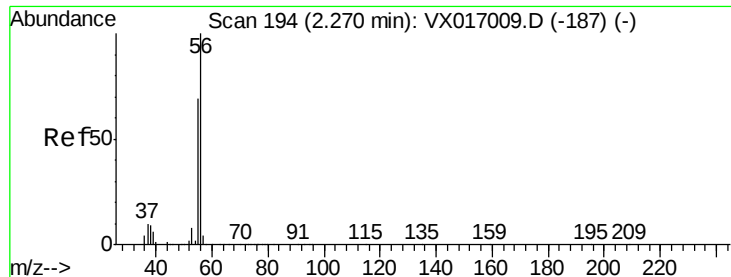
45 147.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#13

Acrolein

Concen: 1.368 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

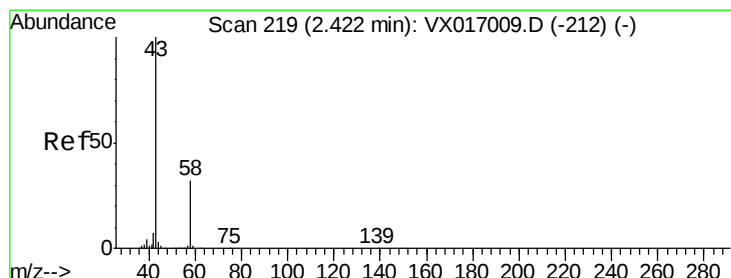
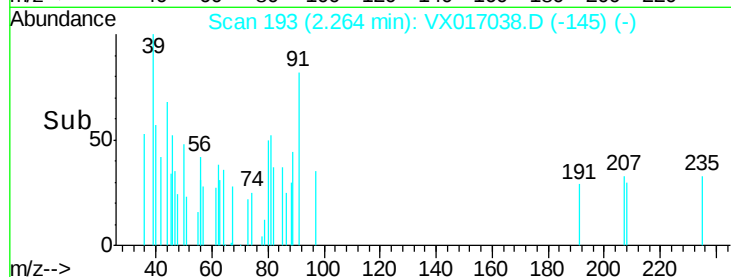
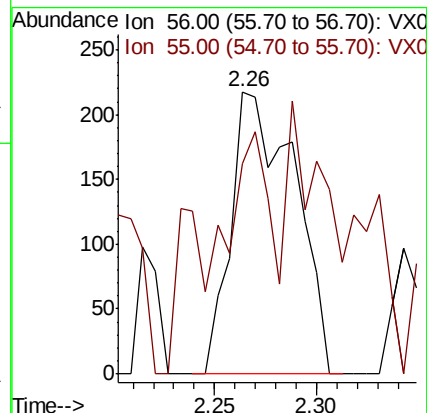
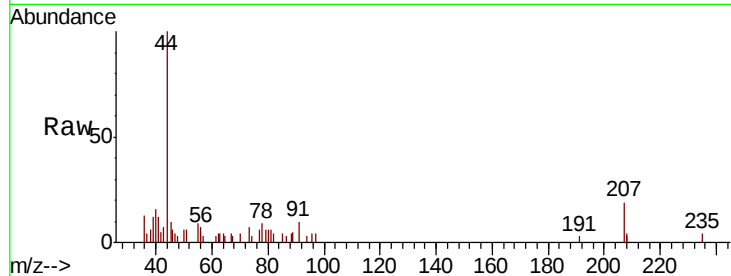
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 472

Ion Ratio Lower Upper

56 100

55 29.7 55.7 83.5#



#16

Acetone

Concen: 1.869 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017038.D

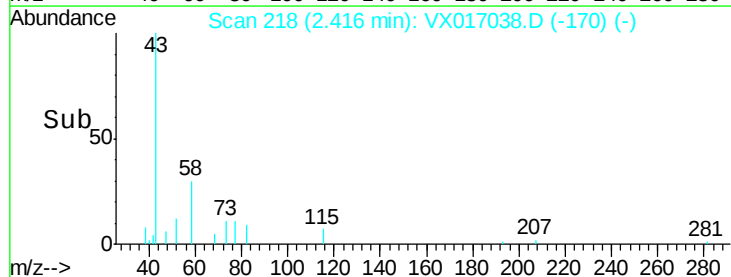
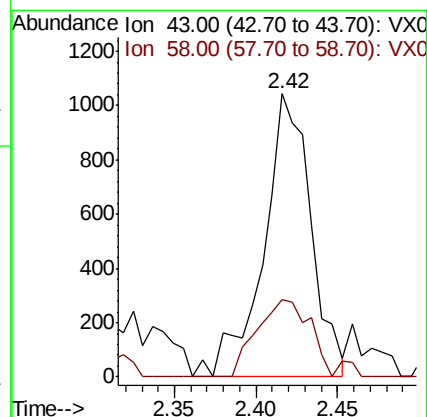
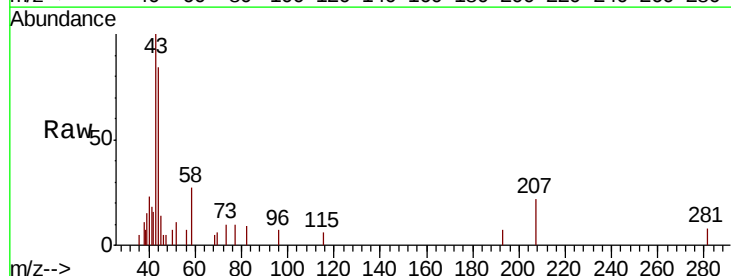
Acq: 30 Jun 2020 12:37

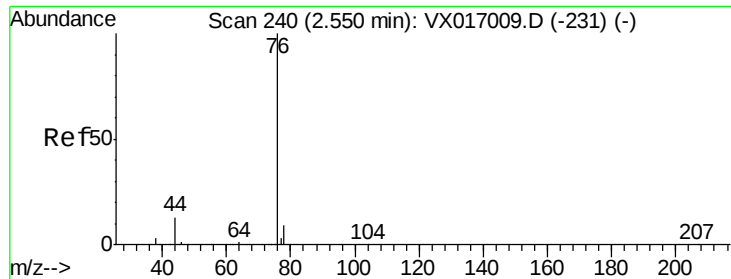
Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

43 100

58 27.3 25.7 38.5

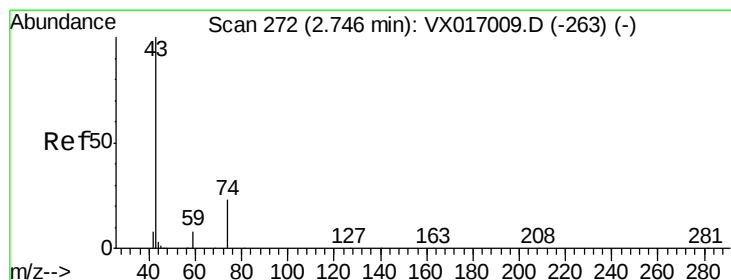
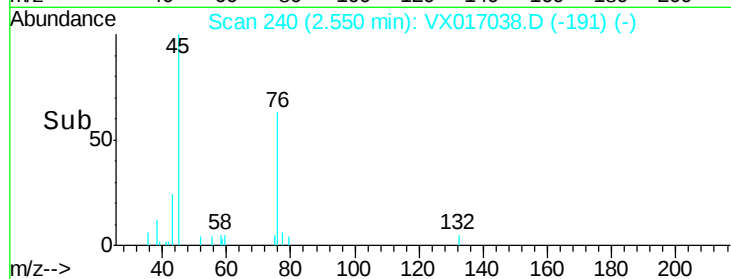
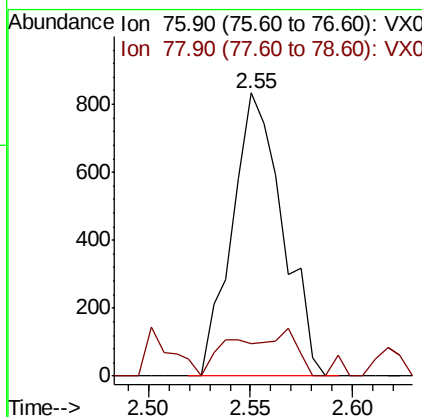
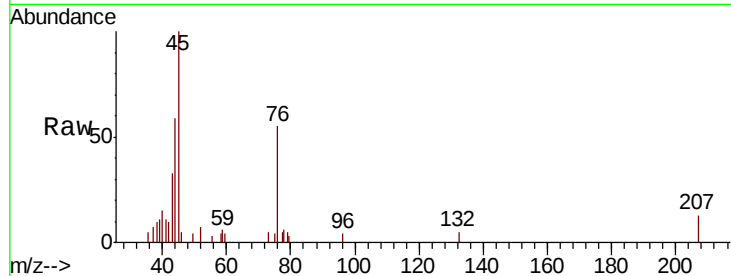




#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

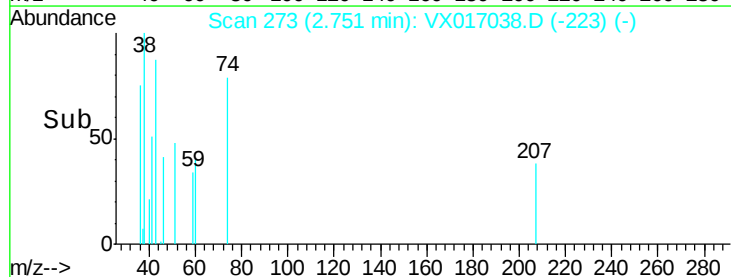
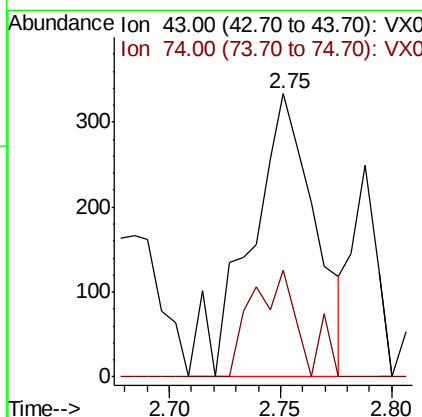
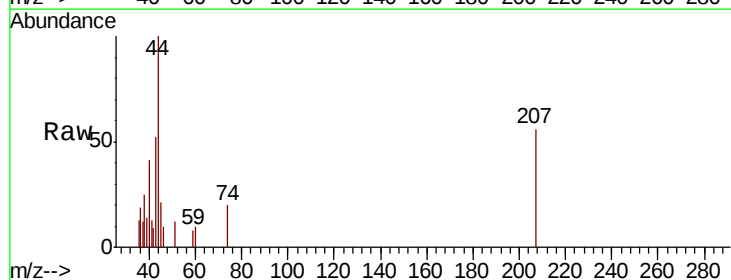
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

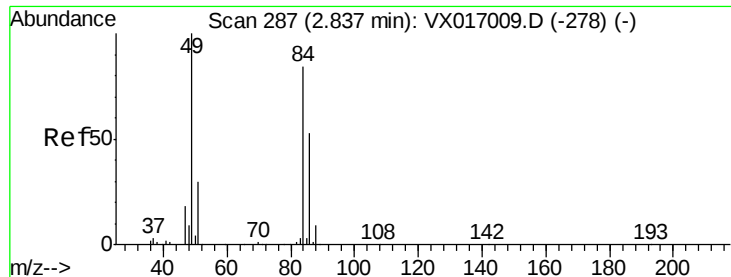
Tot Ion: 76 Resp: 1433
Ion Ratio Lower Upper
76 100
78 5.3 7.2 10.8#



#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9

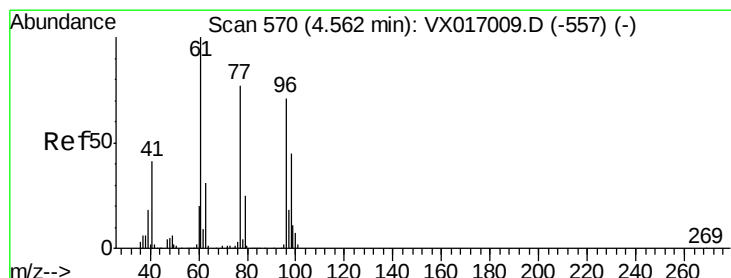
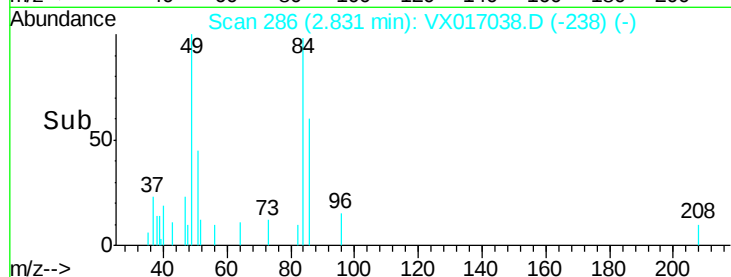
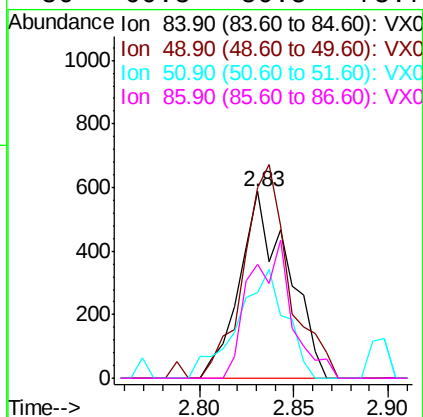
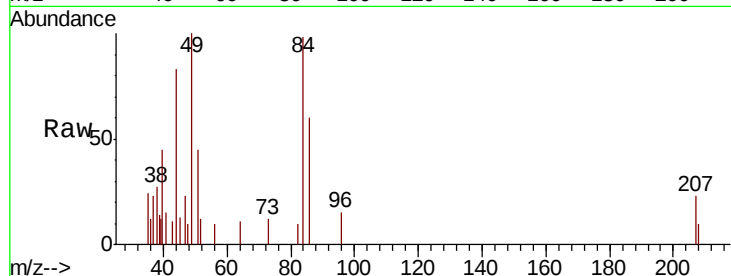




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

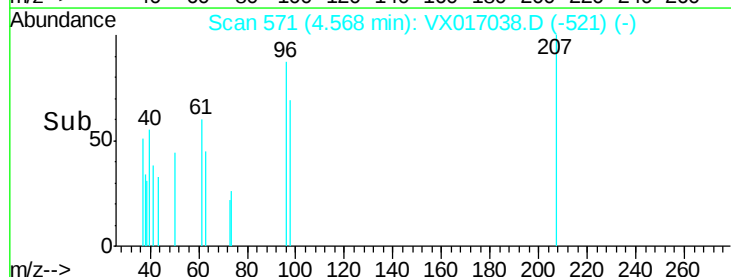
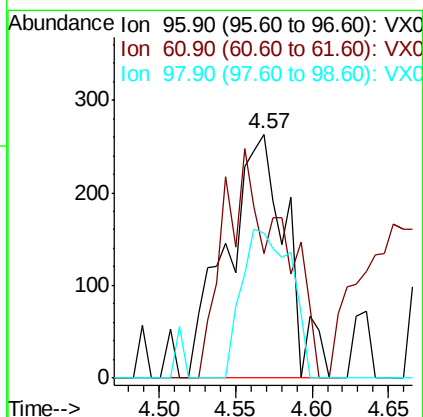
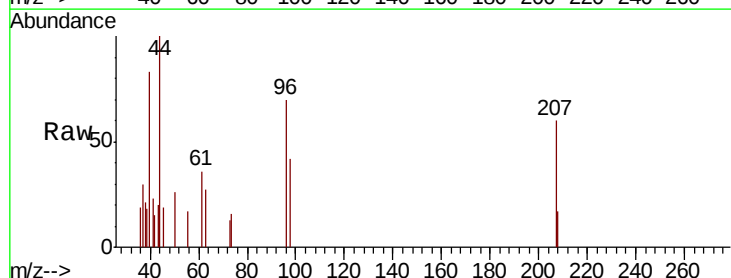
Instrument :
MSVOA_X
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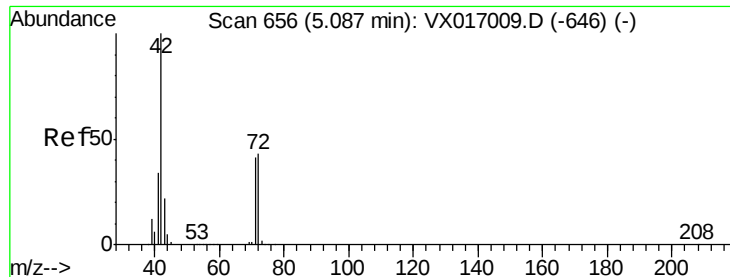
Tot Ion: 84 Resp: 1045
Ion Ratio Lower Upper
84 100
49 102.2 94.7 142.1
51 46.2 28.6 42.8#
86 60.8 50.5 75.7



#27
cis-1,2-Dichloroethene
Concen: 0.234 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

Tgt Ion: 96 Resp: 714
Ion Ratio Lower Upper
96 100
61 55.9 0.0 282.8
98 50.3 0.0 127.6

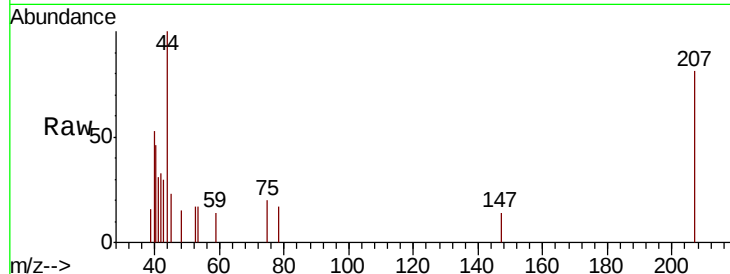




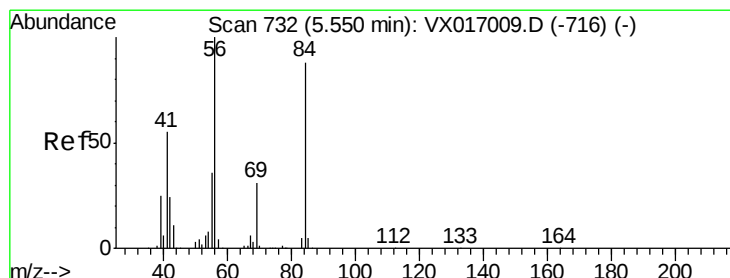
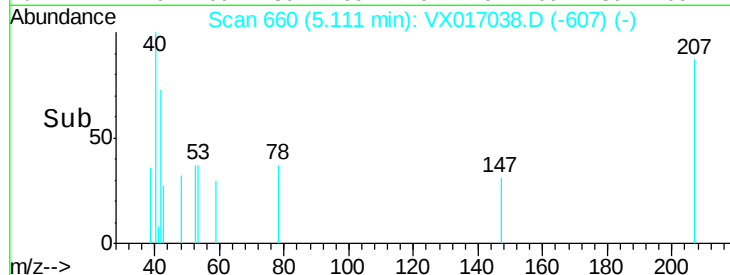
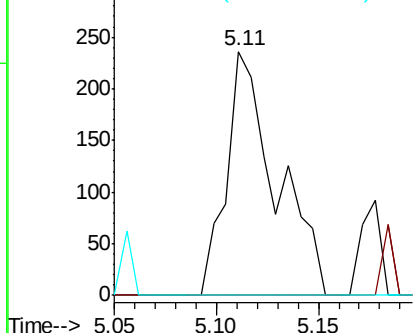
#29
Tetrahydrofuran
Concen: 0.319 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

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

Tot Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 0.0 33.1 49.7#

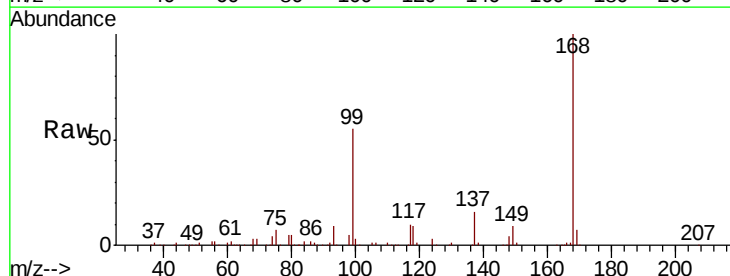


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

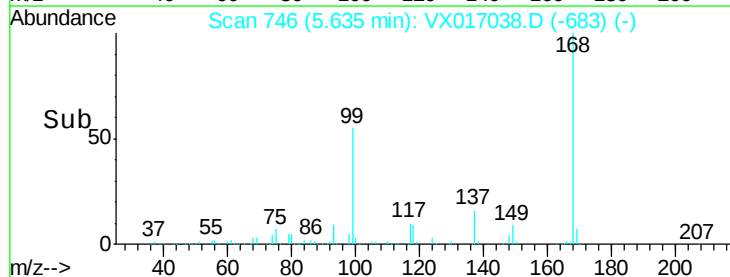
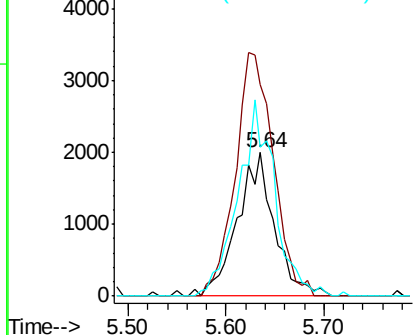


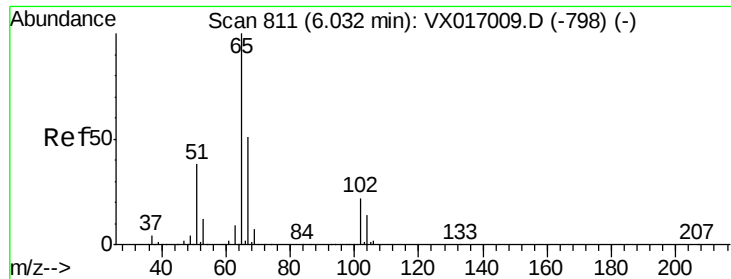
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

Tgt Ion: 56 Resp: 5227
Ion Ratio Lower Upper
56 100
69 147.8 25.0 37.4#
84 103.7 69.1 103.7



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

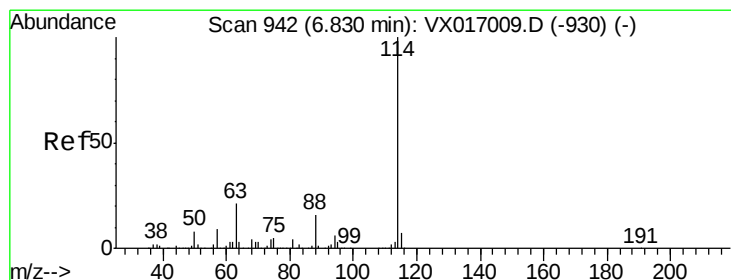
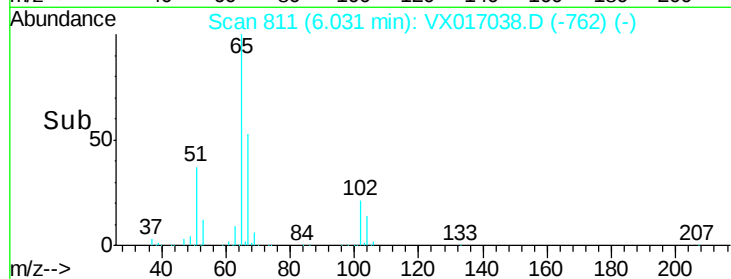
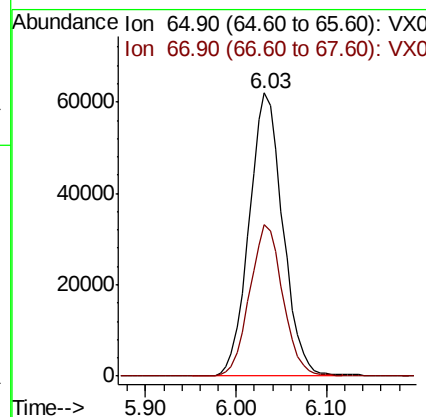
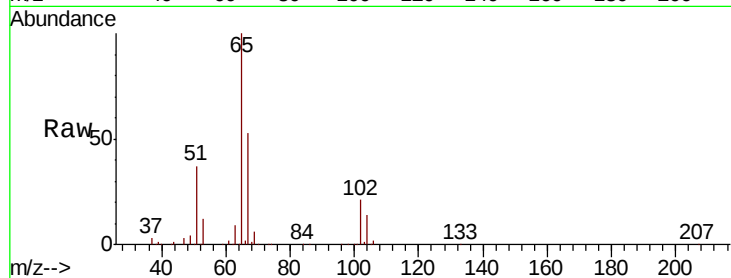




#33
 1,2-Dichloroethane-d4
 Concen: 52.646 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017038.D
 Acq: 30 Jun 2020 12:37

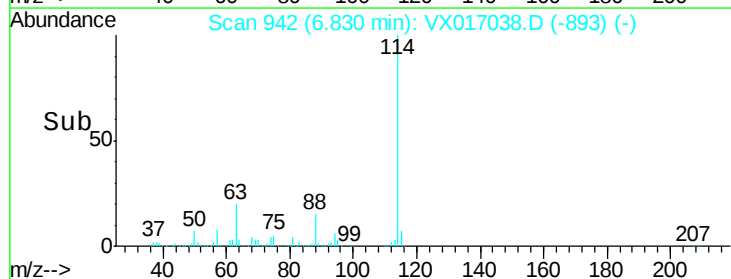
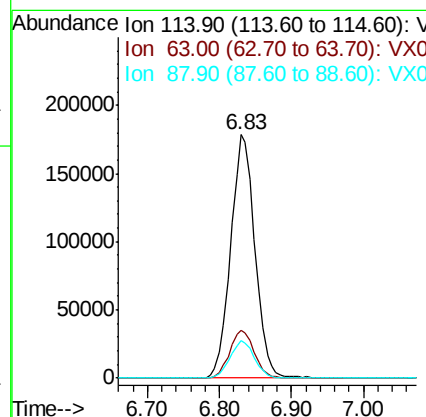
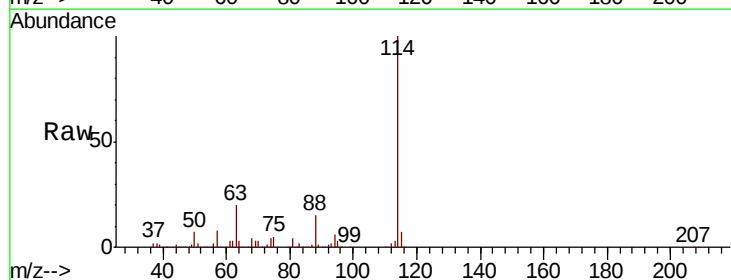
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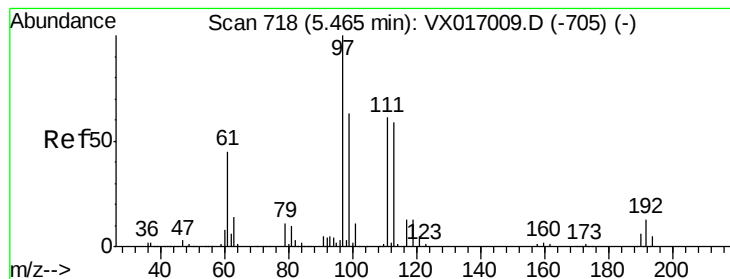
Tot Ion: 65 Resp: 159292
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017038.D
 Acq: 30 Jun 2020 12:37

Tgt Ion: 114 Resp: 418836
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.816 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

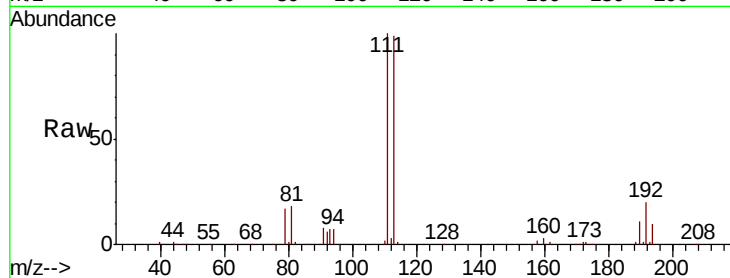
Tot Ion:113 Resp: 137283

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

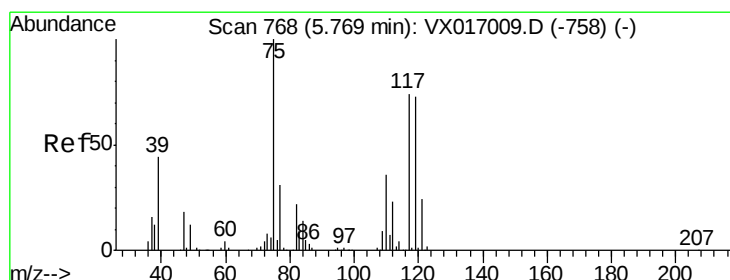
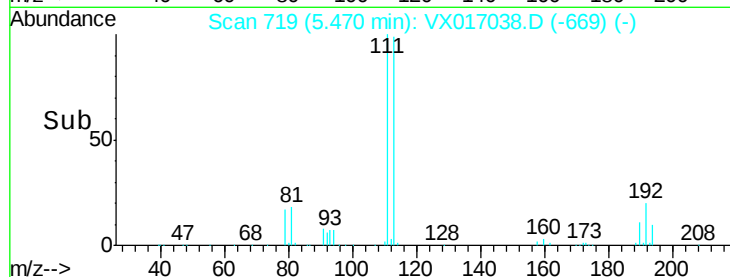
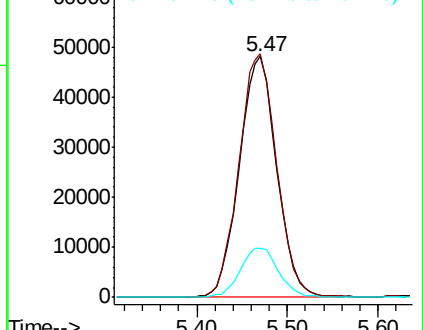
192 20.9 16.7 25.1



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: 4.427 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

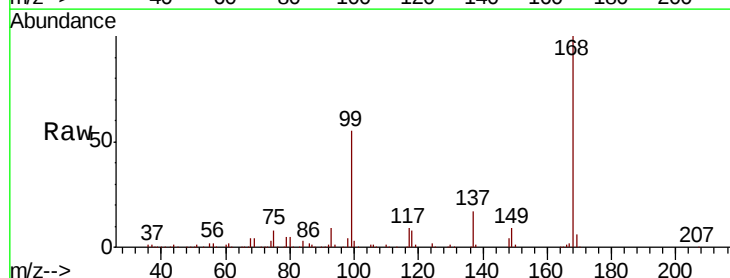
Tgt Ion: 75 Resp: 17524

Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.1#

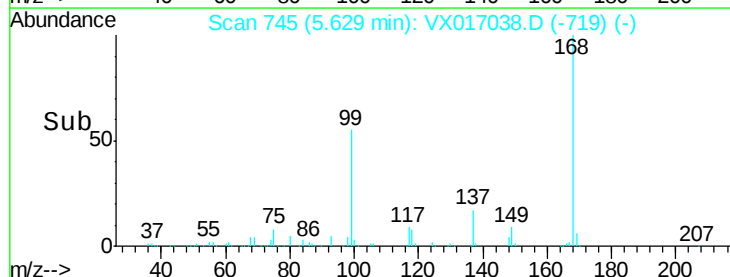
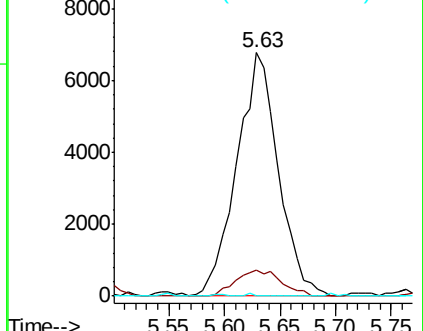
77 0.2 24.6 37.0#

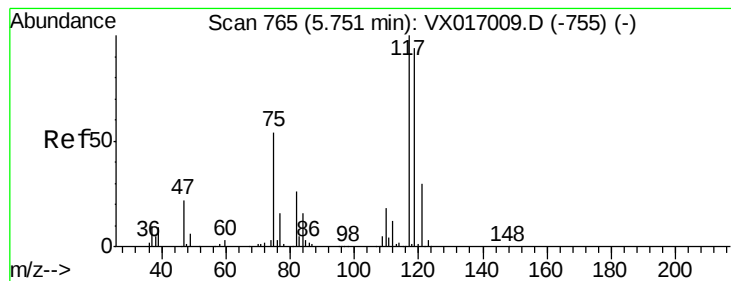


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.465 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

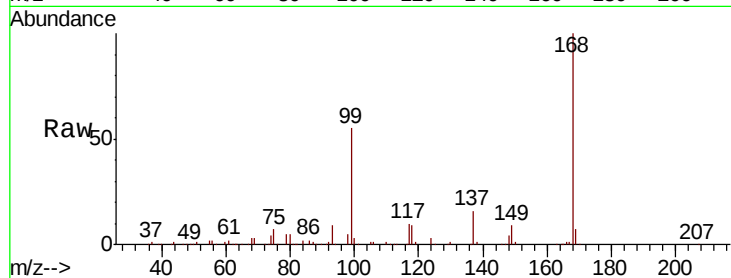
Tot Ion:117 Resp: 23826

Ion Ratio Lower Upper

117 100

119 8.3 75.4 113.0#

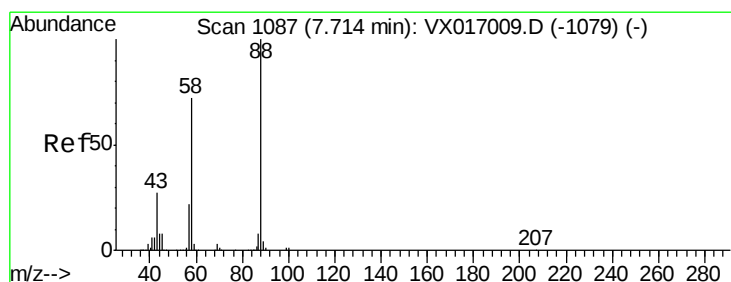
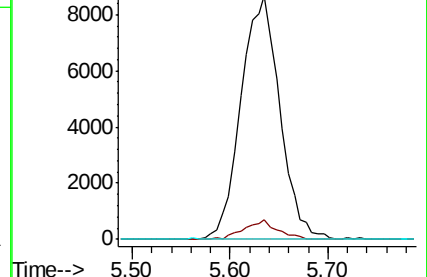
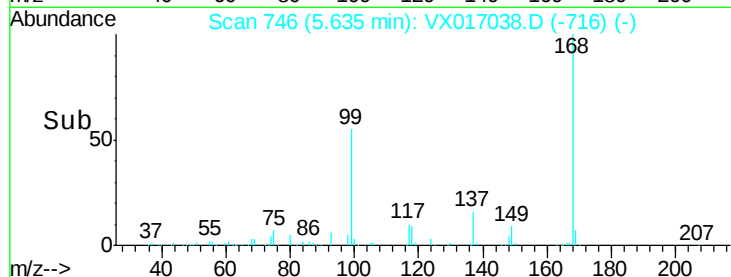
121 0.0 23.8 35.6#



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: 0.320 ug/l

RT: 7.78 min Scan# 1098

Delta R.T. 0.07 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

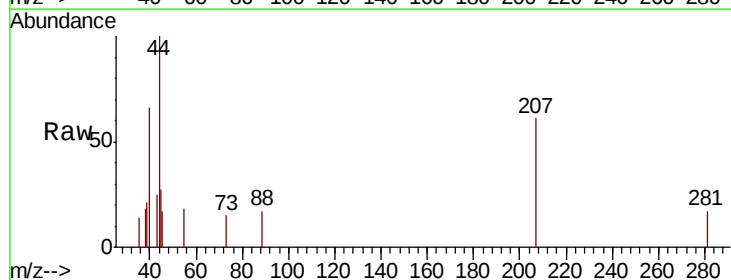
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 634.8 25.8 38.8#

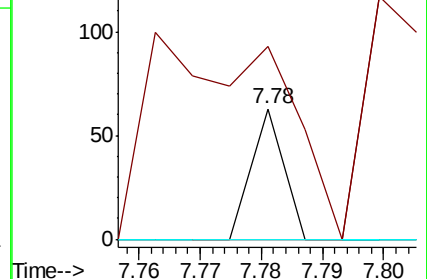
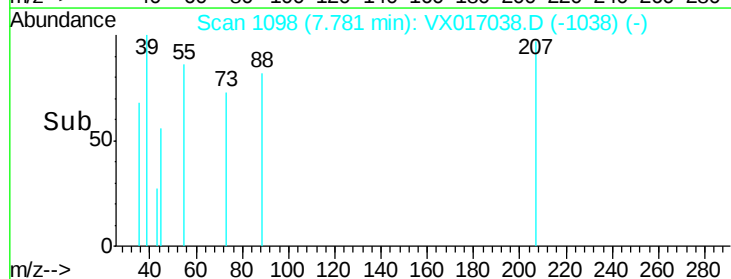
58 0.0 54.8 82.2#

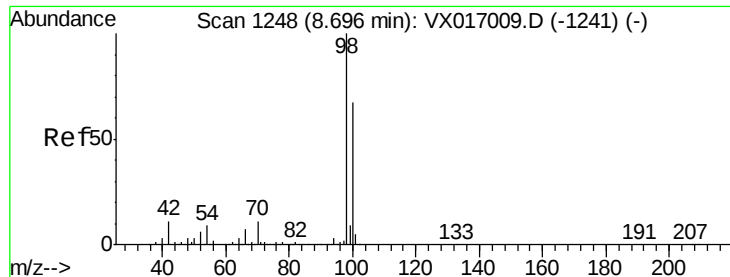


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.296 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

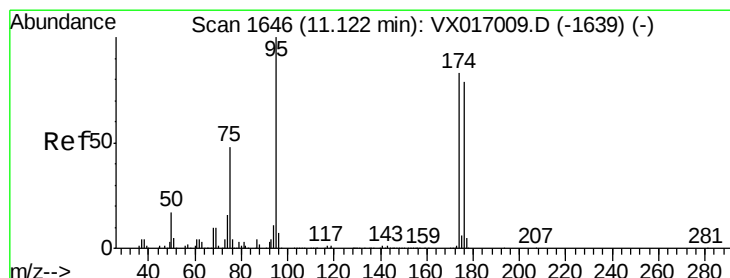
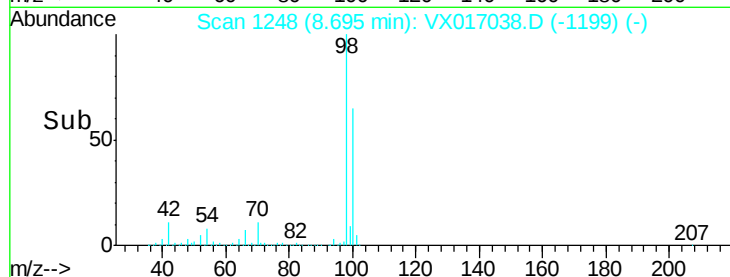
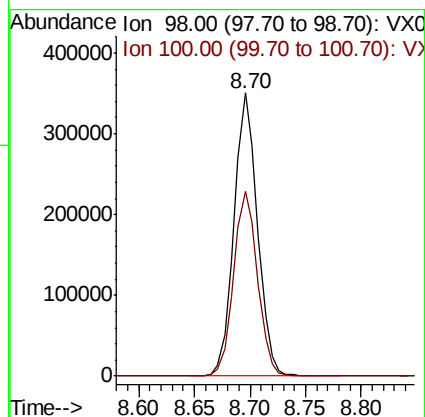
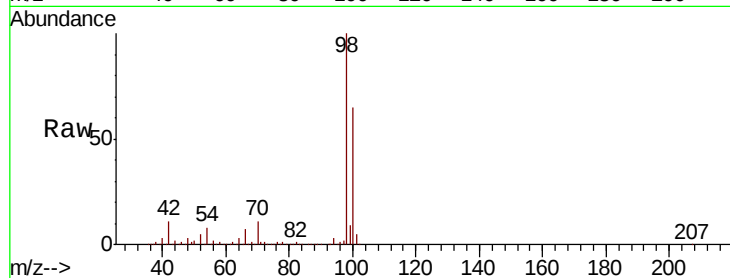
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 512351

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.399 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

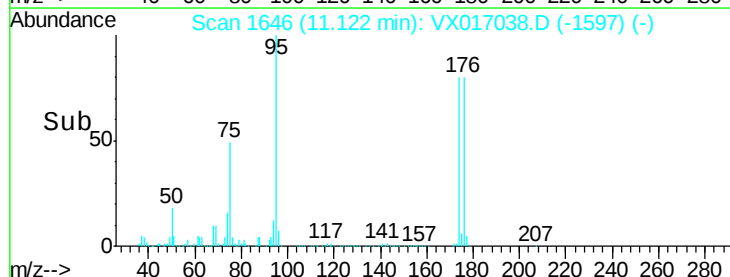
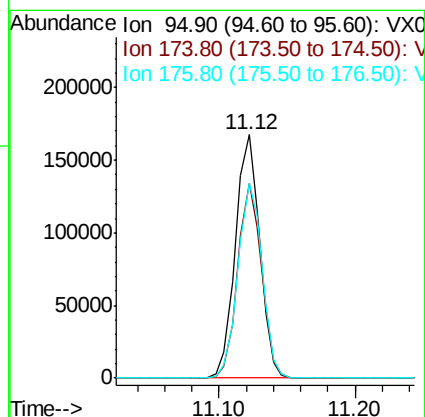
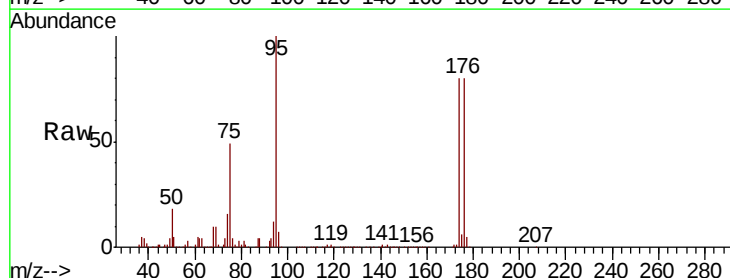
Tgt Ion: 95 Resp: 208335

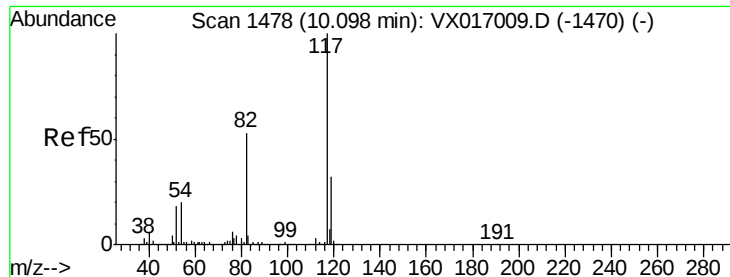
Ion Ratio Lower Upper

95 100

174 78.7 0.0 164.0

176 79.6 0.0 157.6

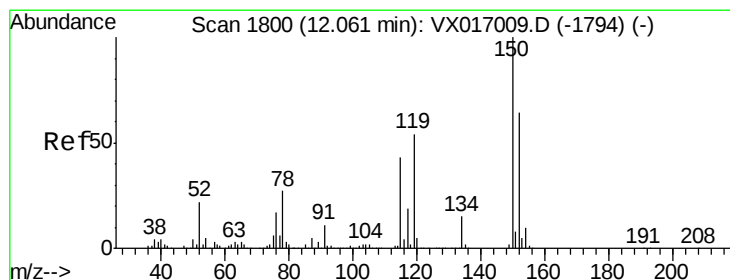
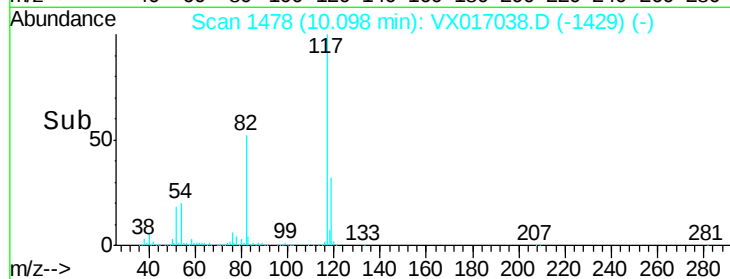
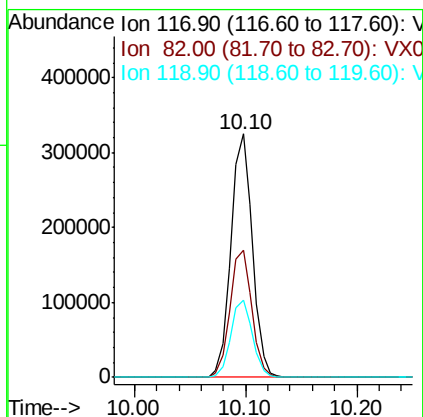
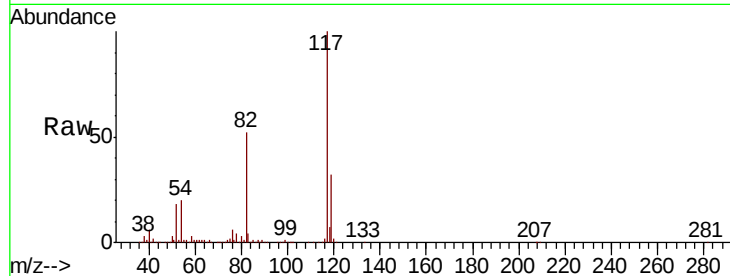




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

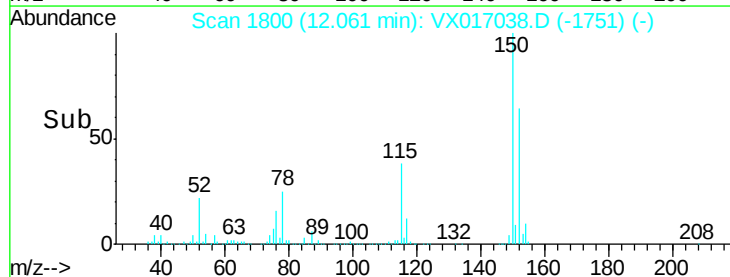
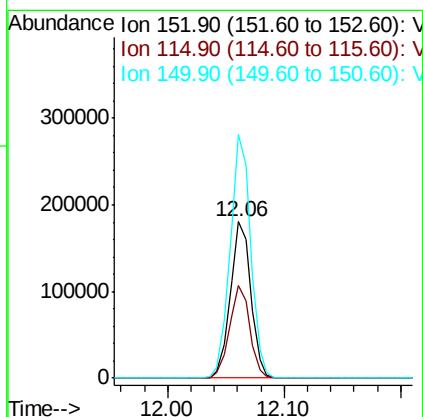
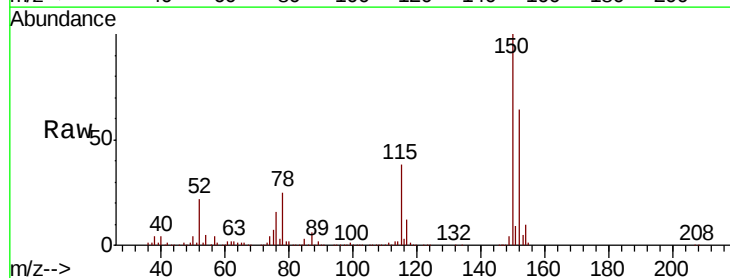
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

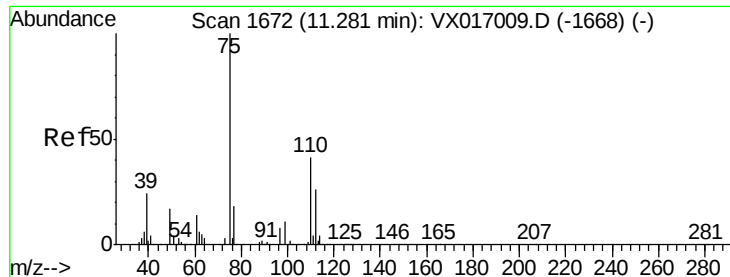
Tot Ion:117 Resp: 431857
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017038.D
Acq: 30 Jun 2020 12:37

Tgt Ion:152 Resp: 221543
Ion Ratio Lower Upper
152 100
115 58.1 40.9 122.7
150 155.8 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.291 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

Instrument :

MSVOA_X

ClientSampleId :

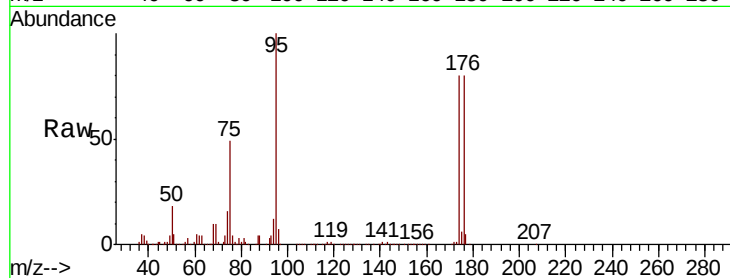
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 101468

Ion Ratio Lower Upper

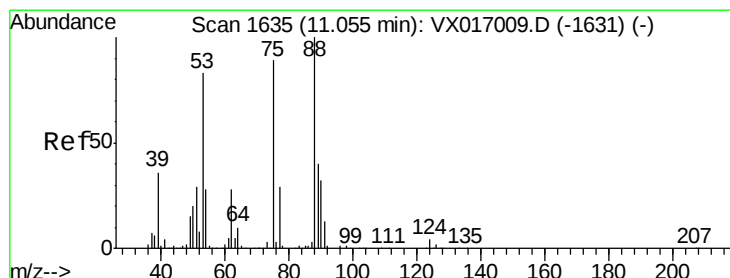
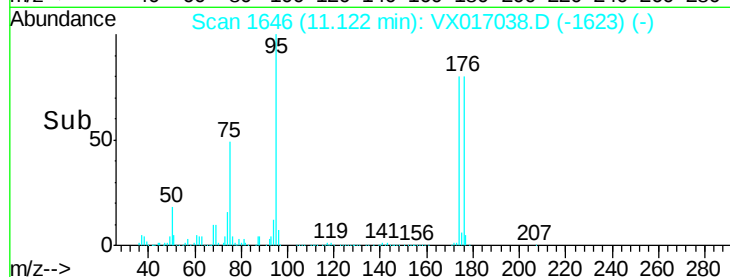
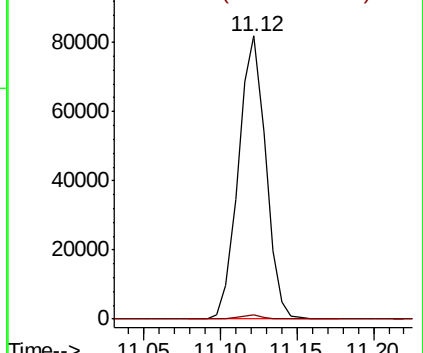
75 100

77 1.4 20.2 60.6#



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: 60.316 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017038.D

Acq: 30 Jun 2020 12:37

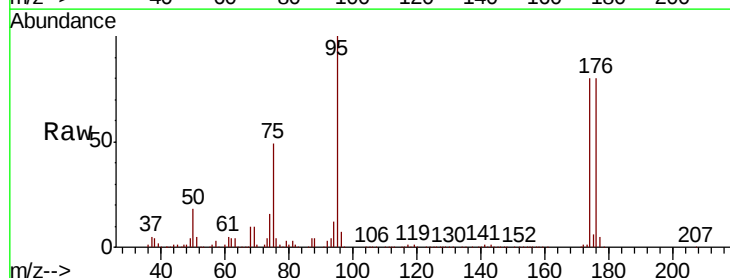
Tgt Ion: 75 Resp: 101468

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

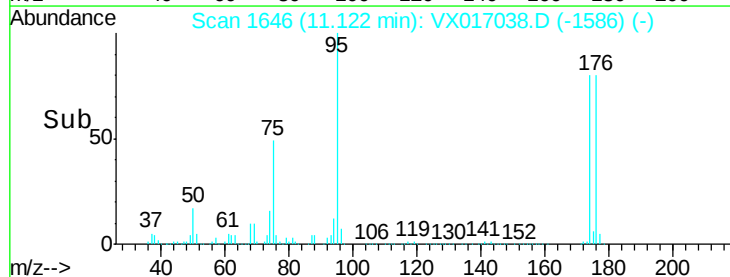
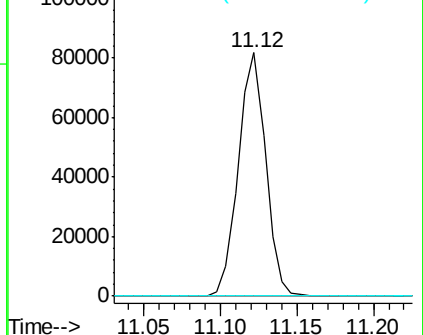
89 0.0 37.0 55.4#

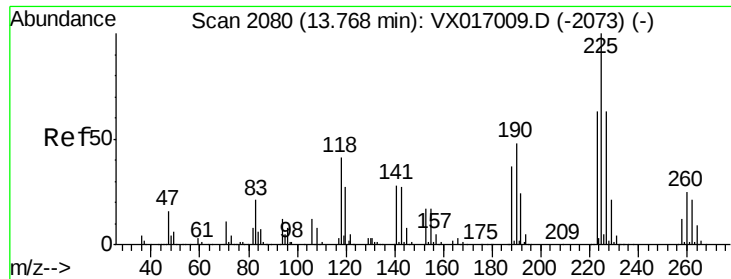


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

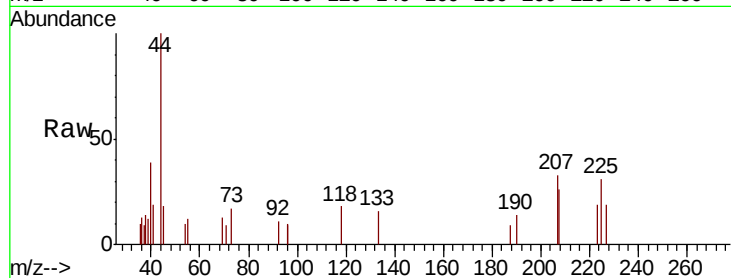




#94
 Hexachlorobutadiene
 Concen: 0.970 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX017038.D
 Acq: 30 Jun 2020 12:37

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

Tot Ion	Ratio	Lower	Upper
225	100		
223	33.0	32.5	97.5
227	77.2	33.1	99.2



Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

