

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018494.D
 Acq On : 18 Sep 2020 15:54
 Operator : JC/SP
 Sample : L4087-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Sep 19 01:56:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	559336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	887461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	835292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	424659	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	368968	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
35) Dibromofluoromethane	5.46	113	289657	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	8.70	98	1074217	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.12	95	417909	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

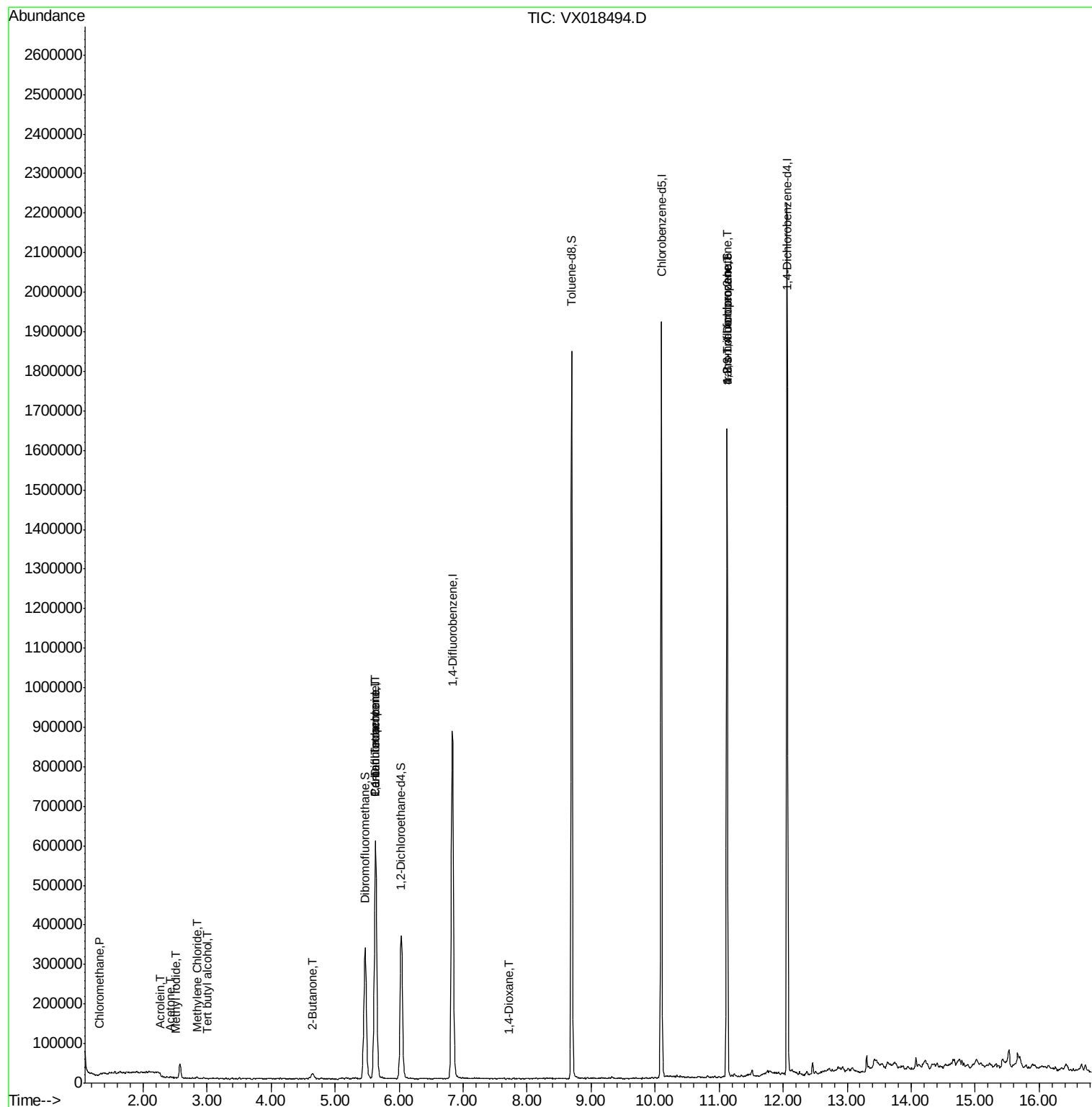
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1801	0.290	ug/l #	73
10) Methyl Iodide	2.51	142	1146	5.070	ug/l #	83
11) Tert butyl alcohol	3.01	59	457	0.332	ug/l #	1
13) Acrolein	2.27	56	847	0.972	ug/l #	34
16) Acetone	2.42	43	2786	0.921	ug/l #	86
20) Methylene Chloride	2.84	84	2201	0.330	ug/l #	77
25) 2-Butanone	4.65	43	1294	0.275	ug/l #	65
36) 1,1-Dichloropropene	5.63	75	43002	4.992	ug/l #	50
38) Carbon Tetrachloride	5.64	117	55196	5.786	ug/l #	18
49) 1,4-Dioxane	7.70	88	105	0.855	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	212867	23.853	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	212867	61.124	ug/l #	12

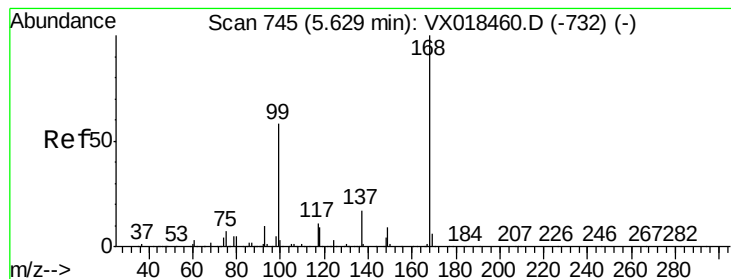
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

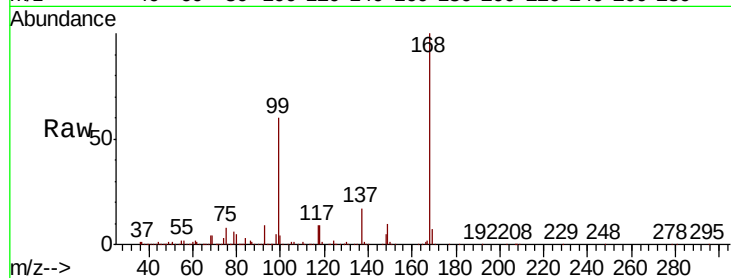
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 559336

Ion Ratio Lower Upper

168 100

99 60.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

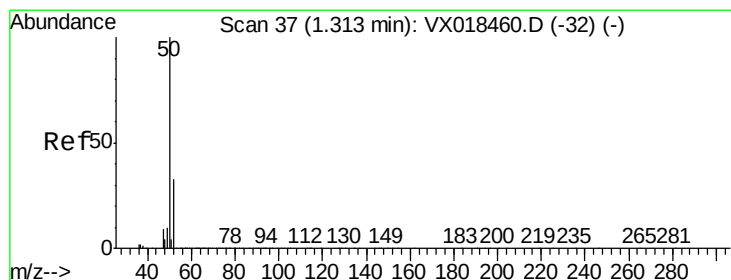
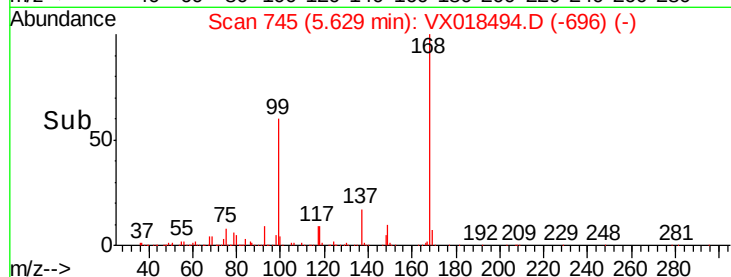
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.290 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018494.D

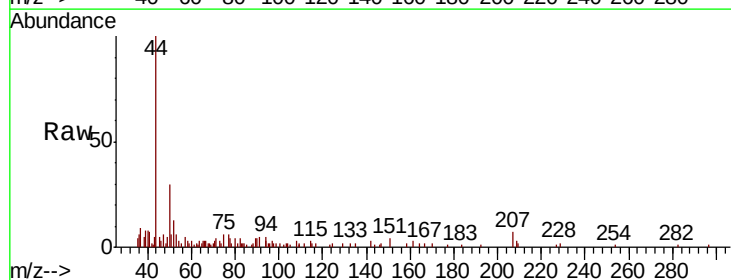
Acq: 18 Sep 2020 15:54

Tgt Ion: 50 Resp: 1801

Ion Ratio Lower Upper

50 100

52 48.8 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

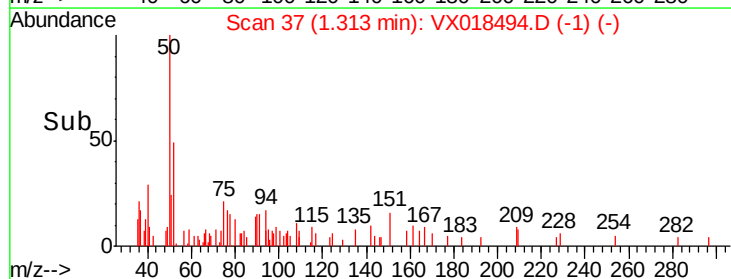
1500

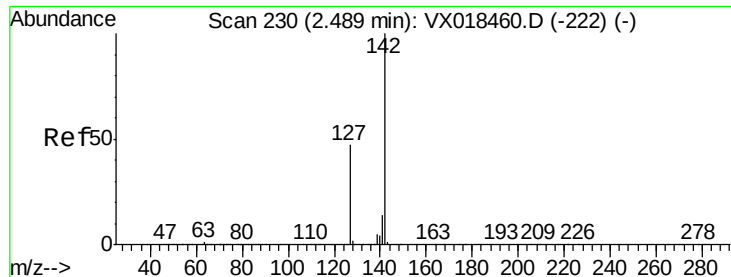
1000

500

0

Time-->

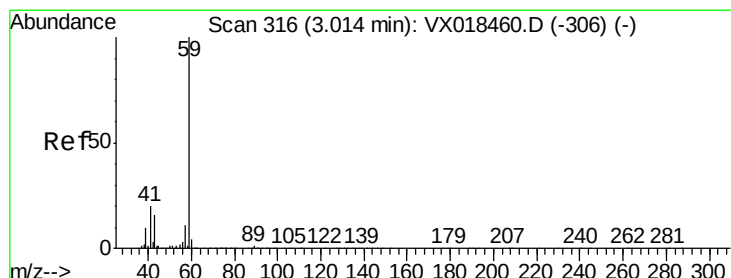
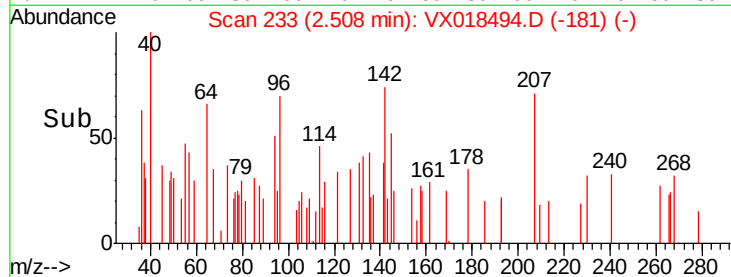
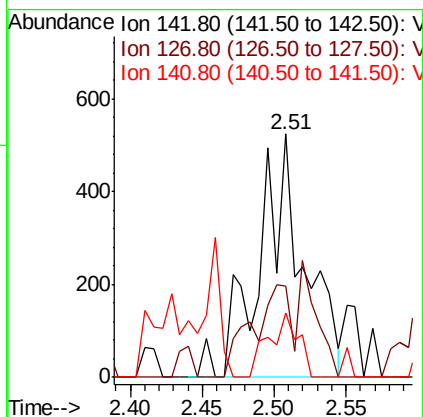
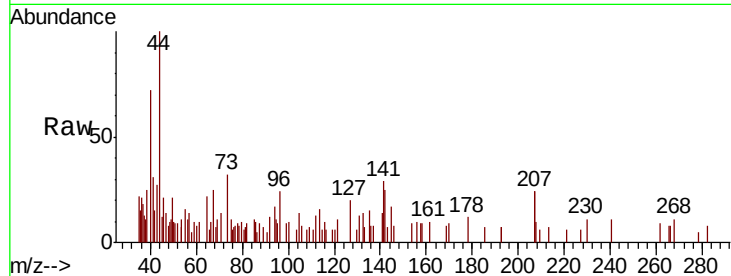




#10
Methyl Iodide
Concen: 5.070 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018494.D
Acq: 18 Sep 2020 15:54

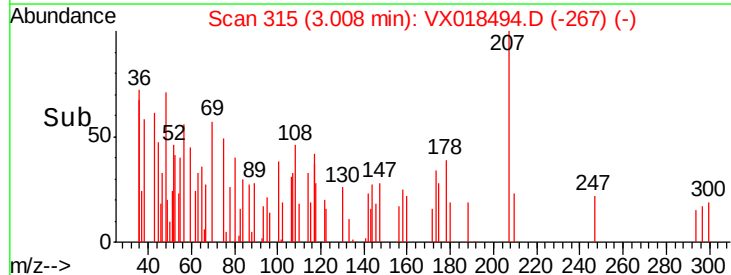
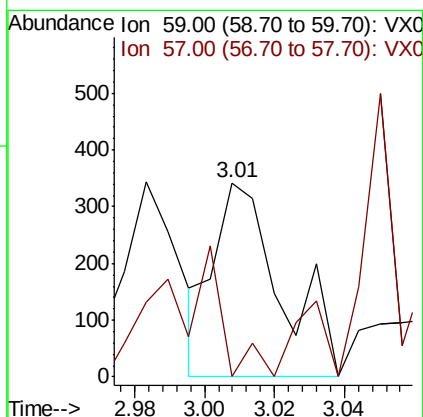
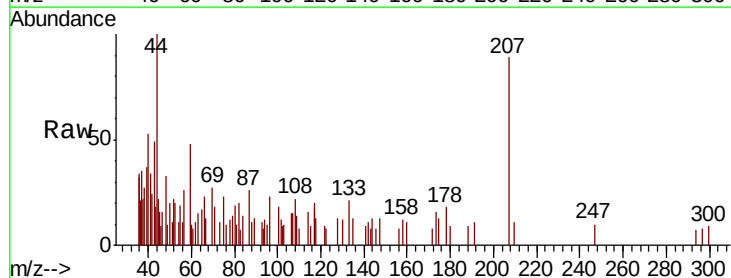
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

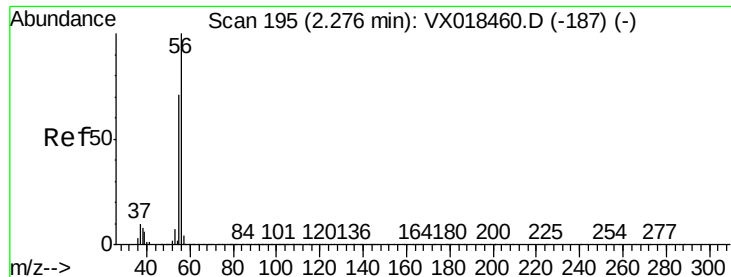
Tot Ion:142 Resp: 1146
Ion Ratio Lower Upper
142 100
127 31.6 36.0 54.0#
141 17.5 11.9 17.9



#11
Tert butyl alcohol
Concen: 0.332 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018494.D
Acq: 18 Sep 2020 15:54

Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 58.2 8.2 12.4#





#13

Acrolein

Concen: 0.972 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

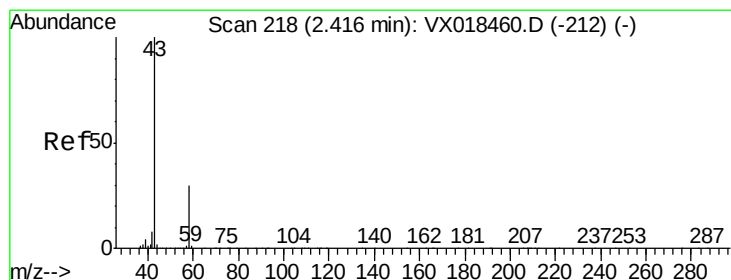
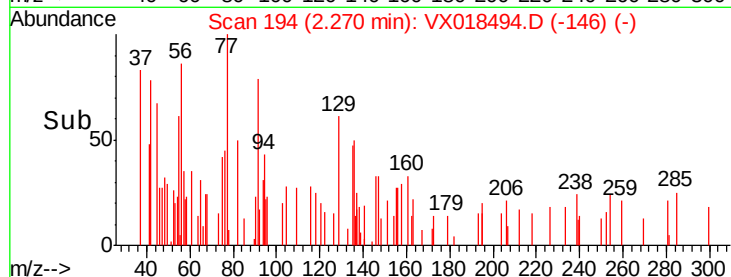
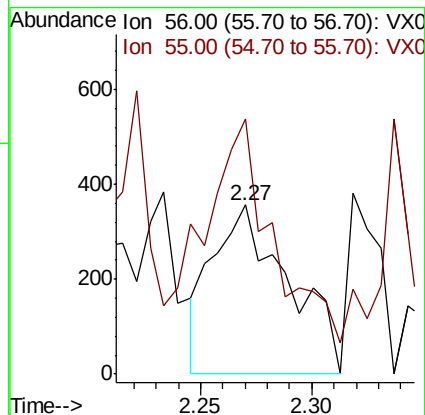
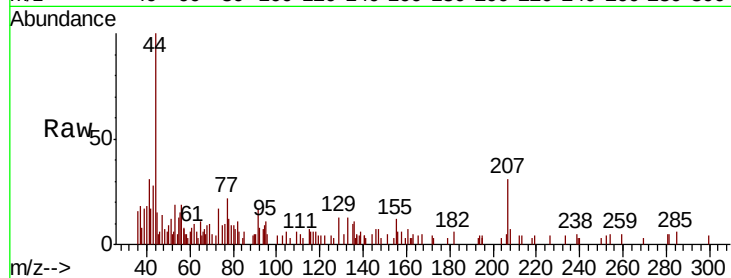
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 847

Ion Ratio Lower Upper

56 100

55 127.7 58.2 87.4#



#16

Acetone

Concen: 0.921 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018494.D

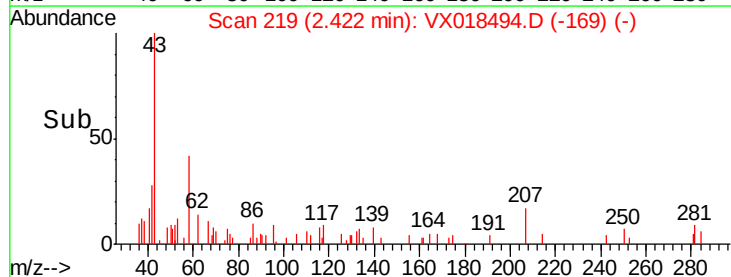
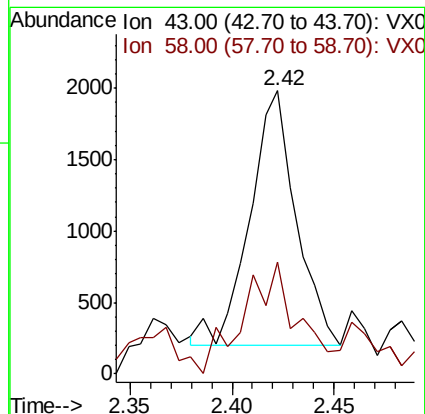
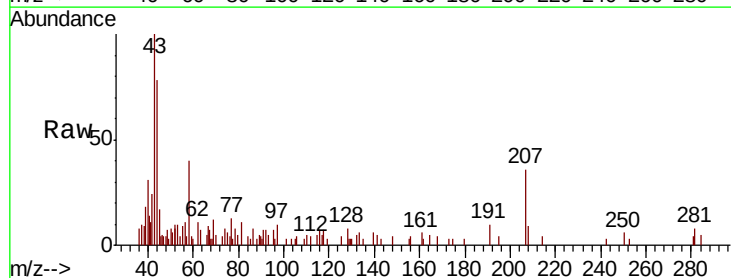
Acq: 18 Sep 2020 15:54

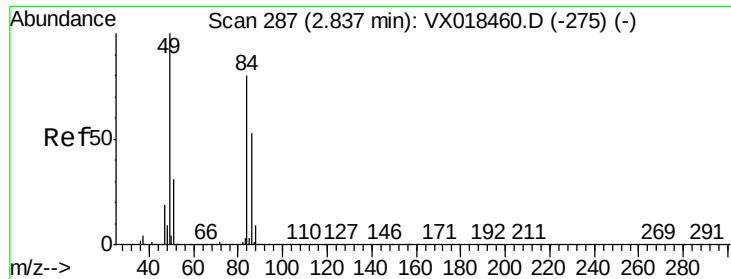
Tgt Ion: 43 Resp: 2786

Ion Ratio Lower Upper

43 100

58 37.6 24.0 36.0#

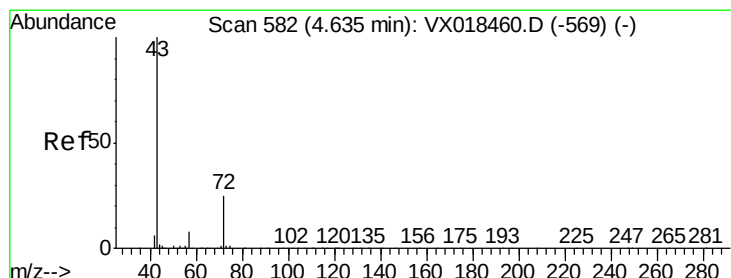
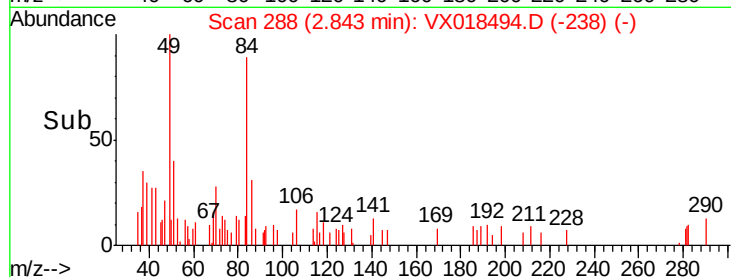
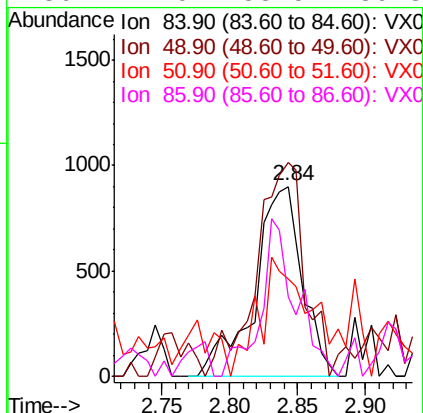
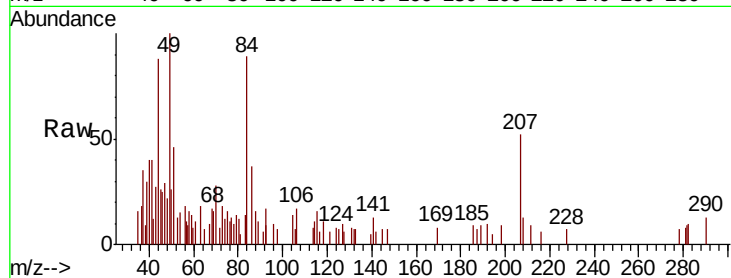




#20
Methylene Chloride
Concen: 0.330 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018494.D
Acq: 18 Sep 2020 15:54

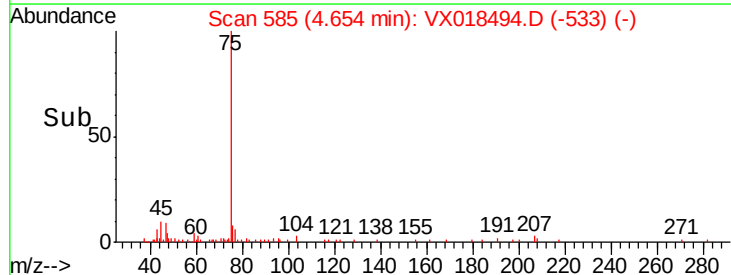
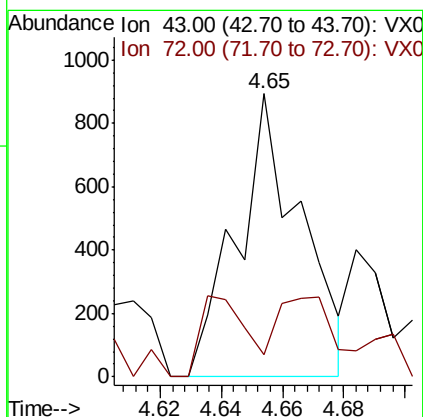
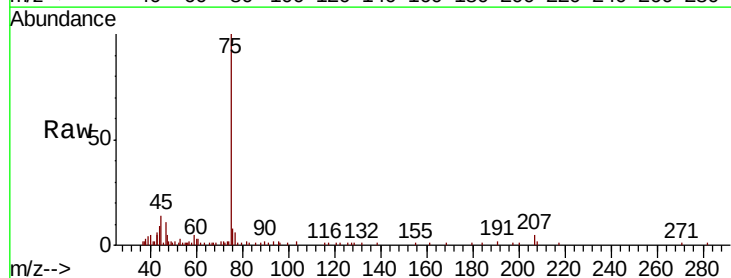
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

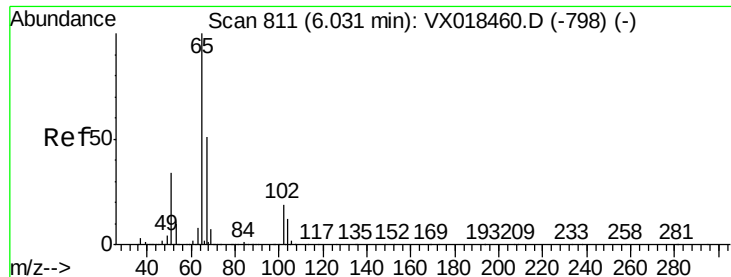
Tot Ion: 84 Resp: 2201
Ion Ratio Lower Upper
84 100
49 101.1 100.6 151.0
51 30.0 30.9 46.3#
86 42.0 53.5 80.3#



#25
2-Butanone
Concen: 0.275 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX018494.D
Acq: 18 Sep 2020 15:54

Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
72 7.7 20.2 30.4#





#33

1,2-Dichloroethane-d4

Concen: 46.630 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

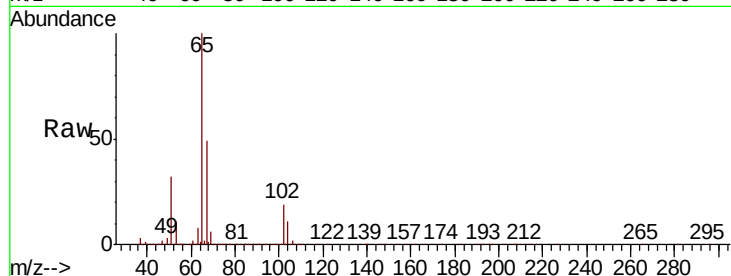
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 368968

Ion Ratio Lower Upper

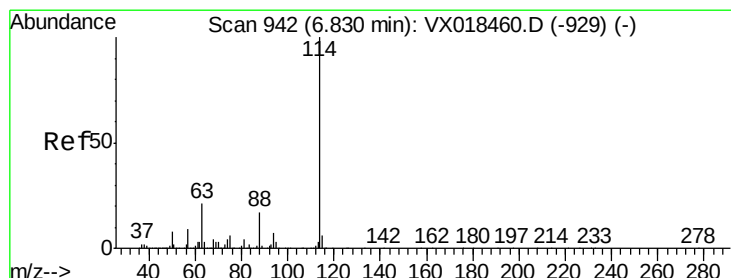
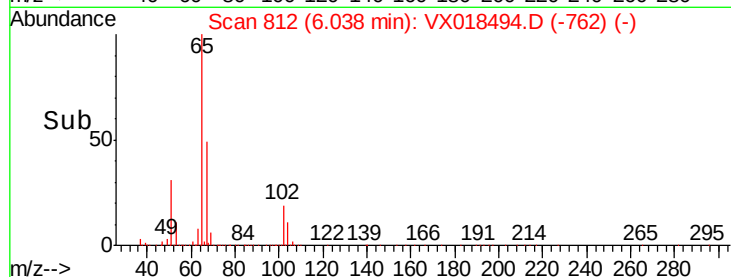
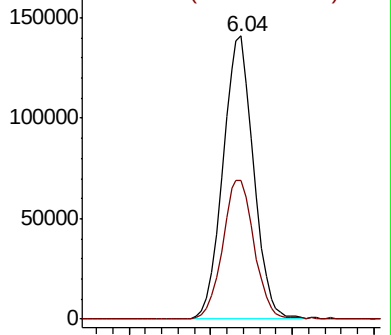
65 100

67 50.4 0.0 105.6



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

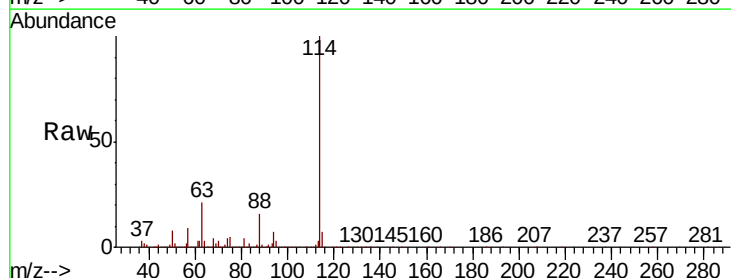
Tgt Ion: 114 Resp: 887461

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

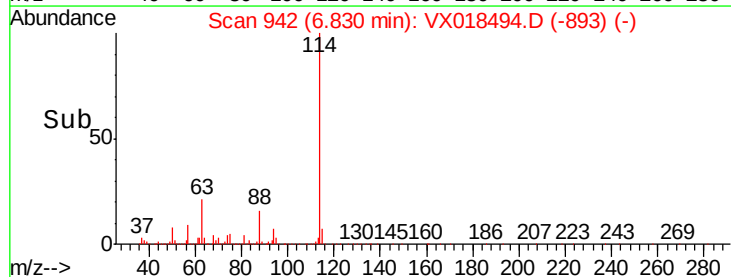
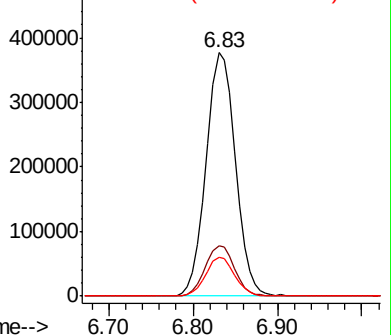
88 16.1 0.0 33.6

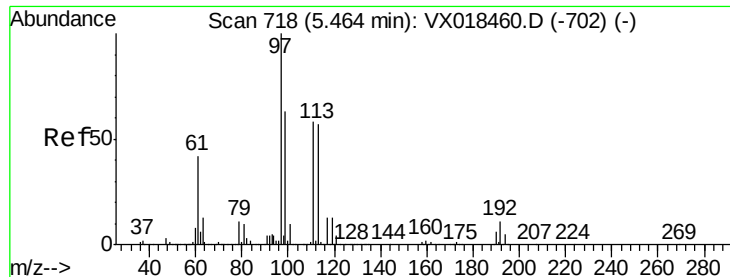


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.213 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Instrument :

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ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

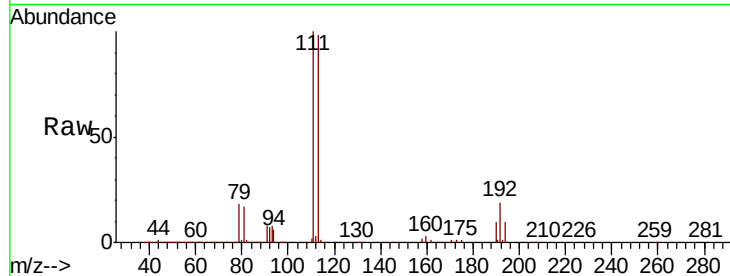
Tot Ion:113 Resp: 289657

Ion Ratio Lower Upper

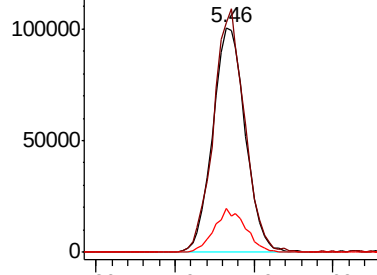
113 100

111 103.5 81.4 122.2

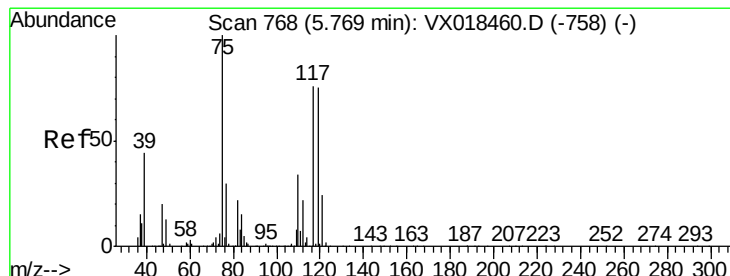
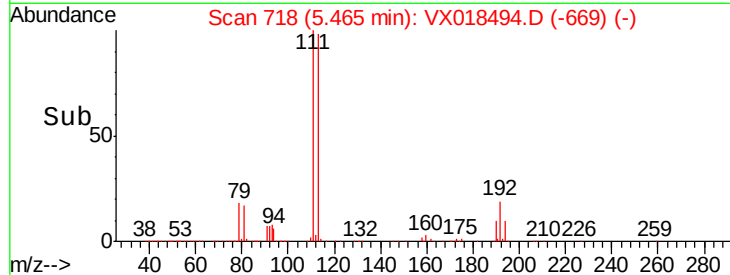
192 18.7 16.6 24.8



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



Time--> 5.30 5.40 5.50 5.60



#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

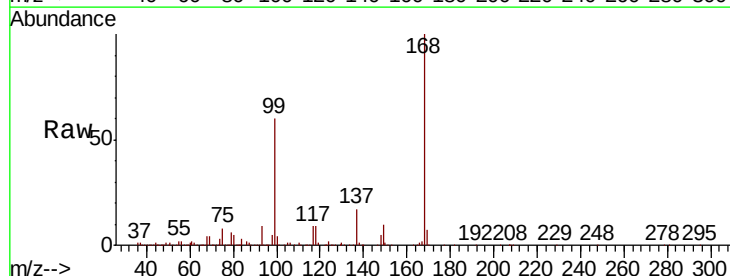
Tgt Ion: 75 Resp: 43002

Ion Ratio Lower Upper

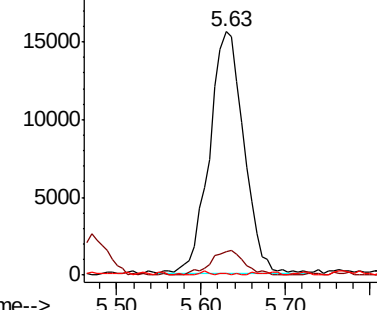
75 100

110 9.8 17.6 52.8#

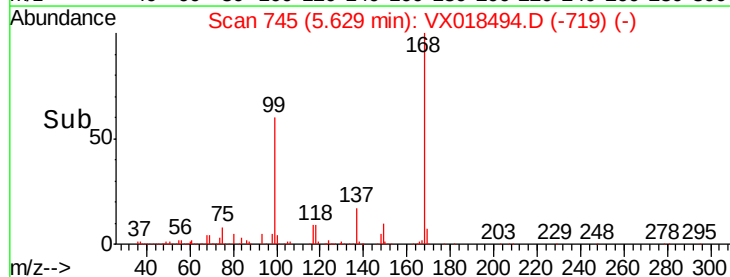
77 0.2 25.0 37.6#

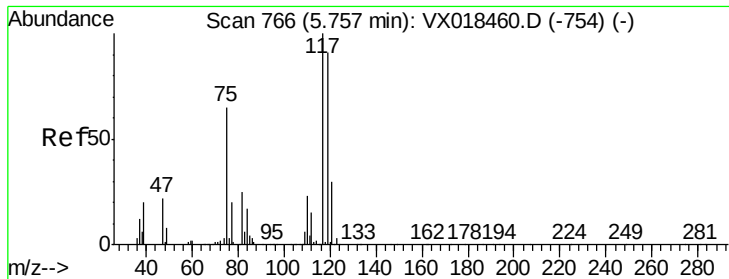


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0



Time--> 5.50 5.60 5.70





#38

Carbon Tetrachloride

Concen: 5.786 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Instrument :

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STORAGE-BLANK-SOIL-REF-6

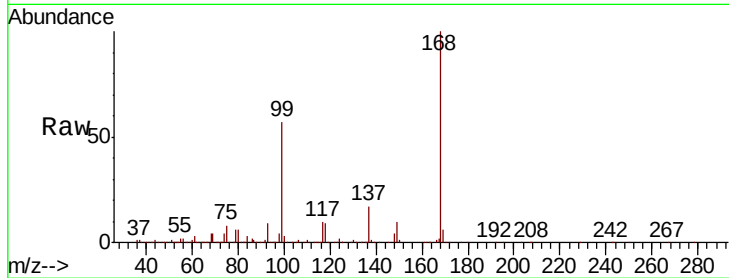
Tot Ion:117 Resp: 55196

Ion Ratio Lower Upper

117 100

119 4.7 72.3 108.5#

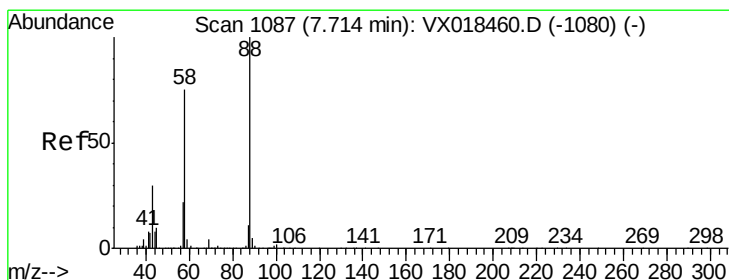
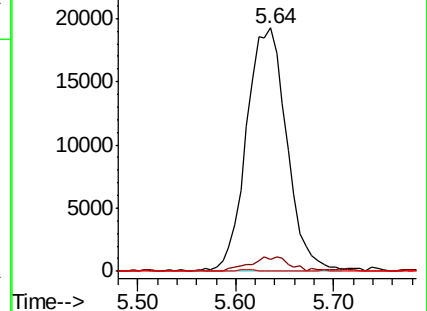
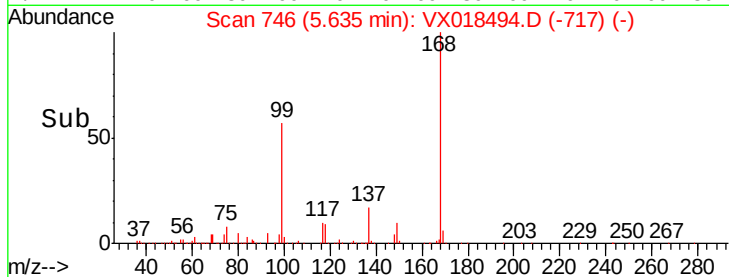
121 0.0 23.8 35.8#



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: 0.855 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

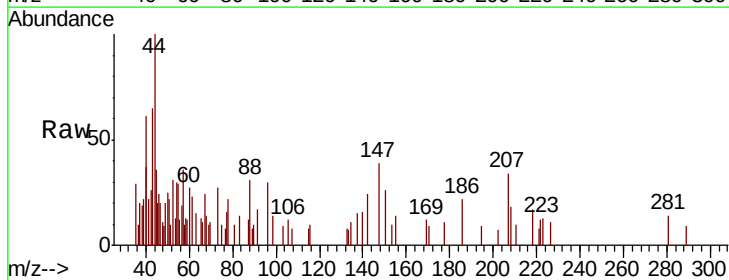
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 182.9 29.9 44.9#

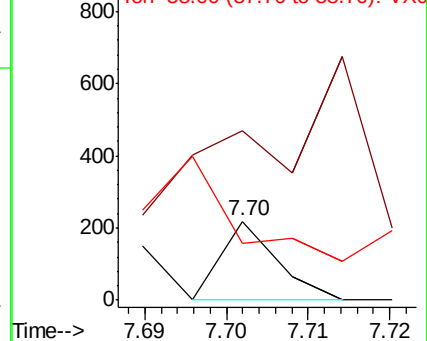
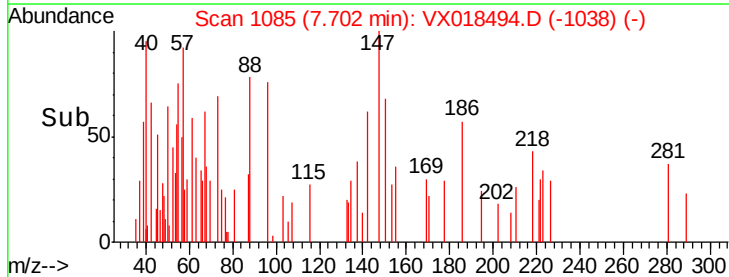
58 486.7 59.0 88.6#

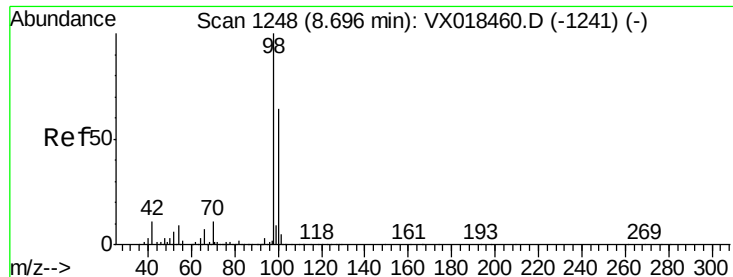


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.190 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

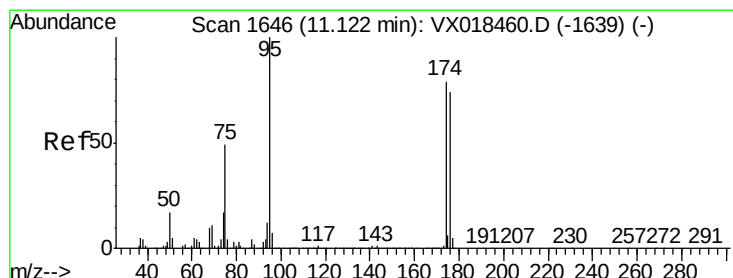
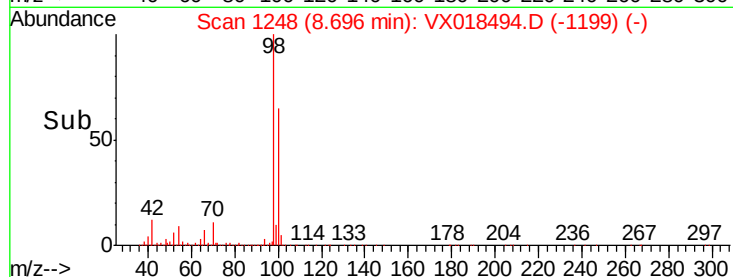
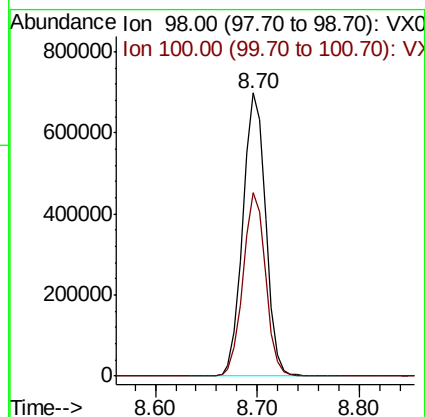
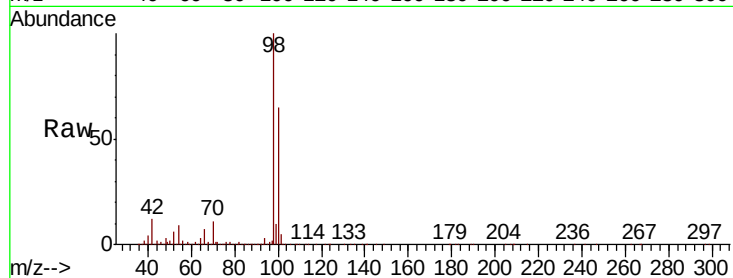
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 1074217

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.132 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

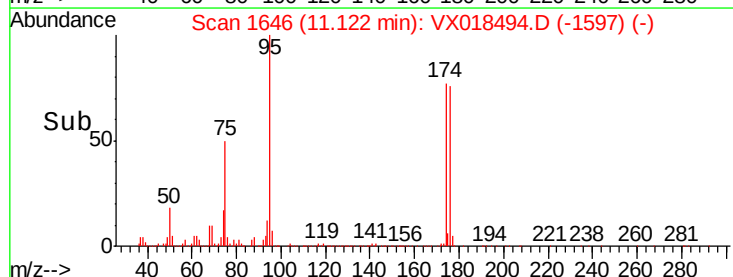
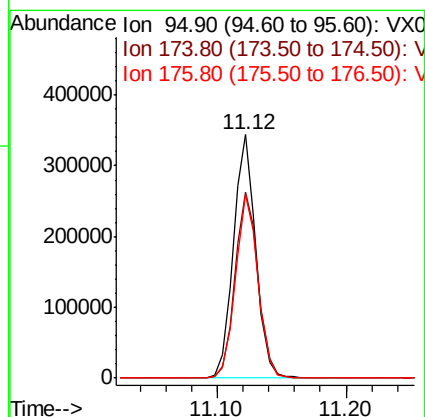
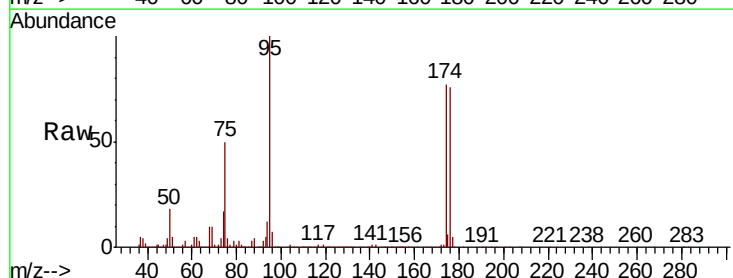
Tgt Ion: 95 Resp: 417909

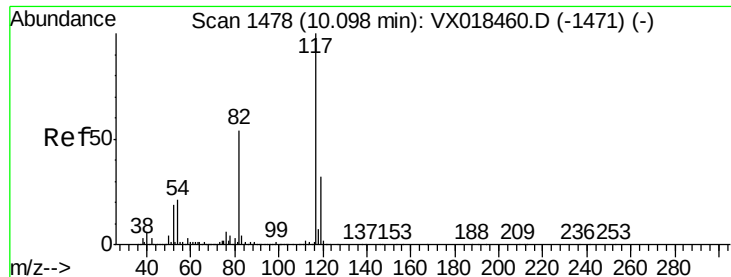
Ion Ratio Lower Upper

95 100

174 78.4 0.0 161.4

176 75.3 0.0 151.4

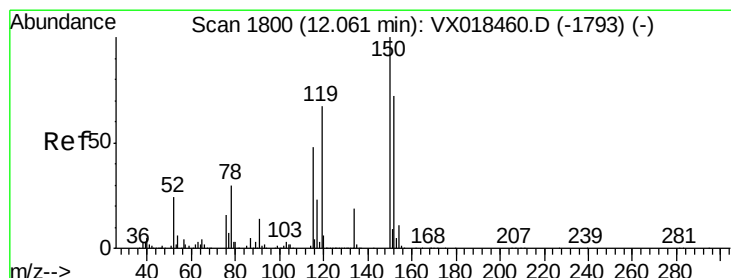
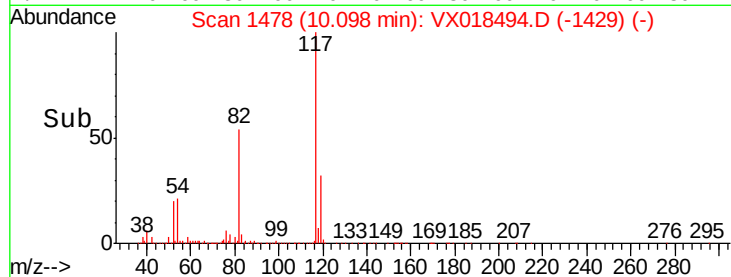
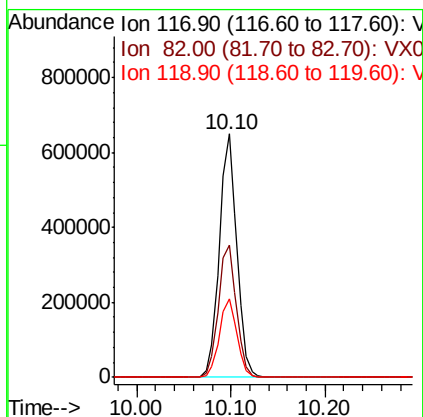
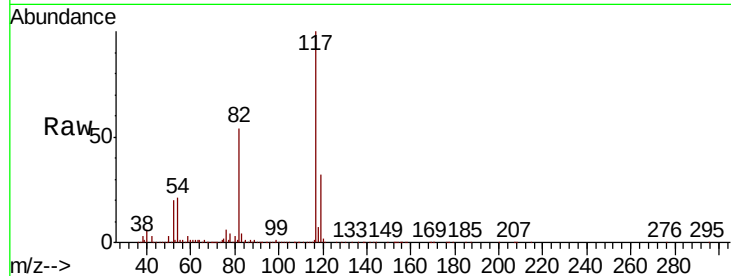




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018494.D
Acq: 18 Sep 2020 15:54

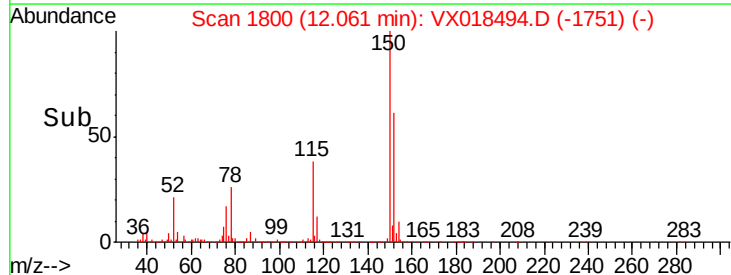
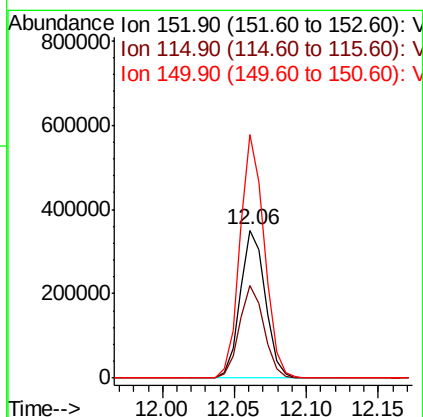
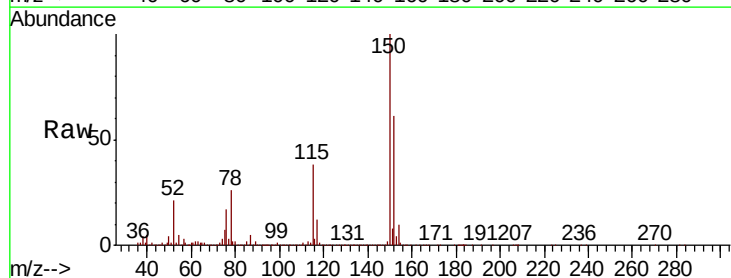
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

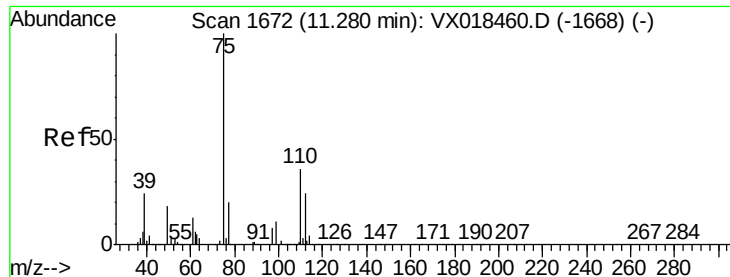
Tot Ion:117 Resp: 835292
Ion Ratio Lower Upper
117 100
82 54.1 43.3 64.9
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018494.D
Acq: 18 Sep 2020 15:54

Tgt Ion:152 Resp: 424659
Ion Ratio Lower Upper
152 100
115 61.5 41.8 125.4
150 159.3 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 23.853 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

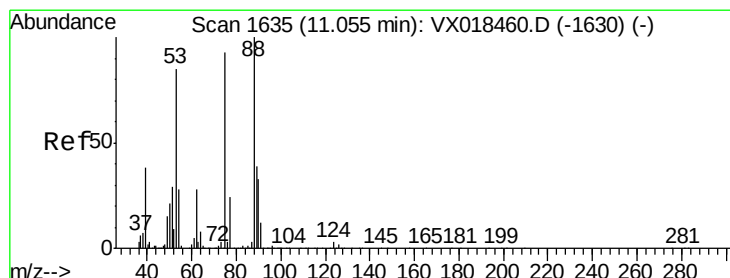
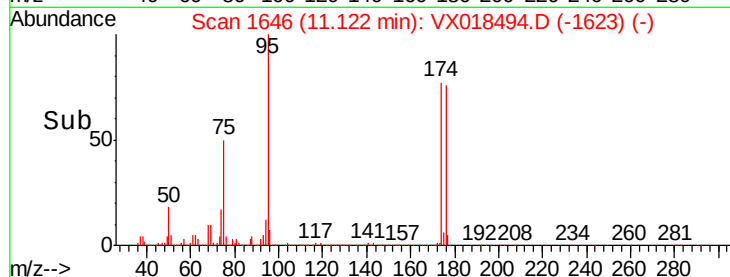
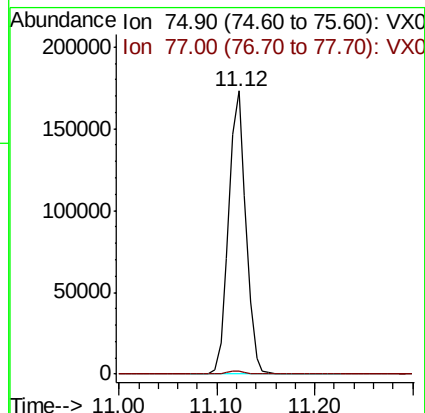
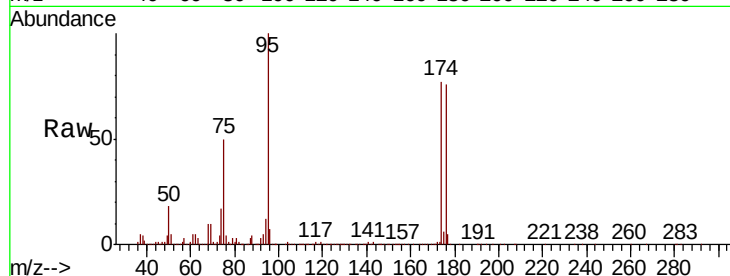
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 212867

Ion Ratio Lower Upper

75 100

77 1.5 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.124 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018494.D

Acq: 18 Sep 2020 15:54

Tgt Ion: 75 Resp: 212867

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.2 36.2 54.4#

