

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017625.D
 Acq On : 27 Jul 2020 18:32
 Operator : JC/SP
 Sample : L3440-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jul 28 01:34:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	475675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	867980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	813329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	441480	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	315242	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	5.47	113	261116	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
50) Toluene-d8	8.70	98	957653	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
62) 4-Bromofluorobenzene	11.12	95	417209	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

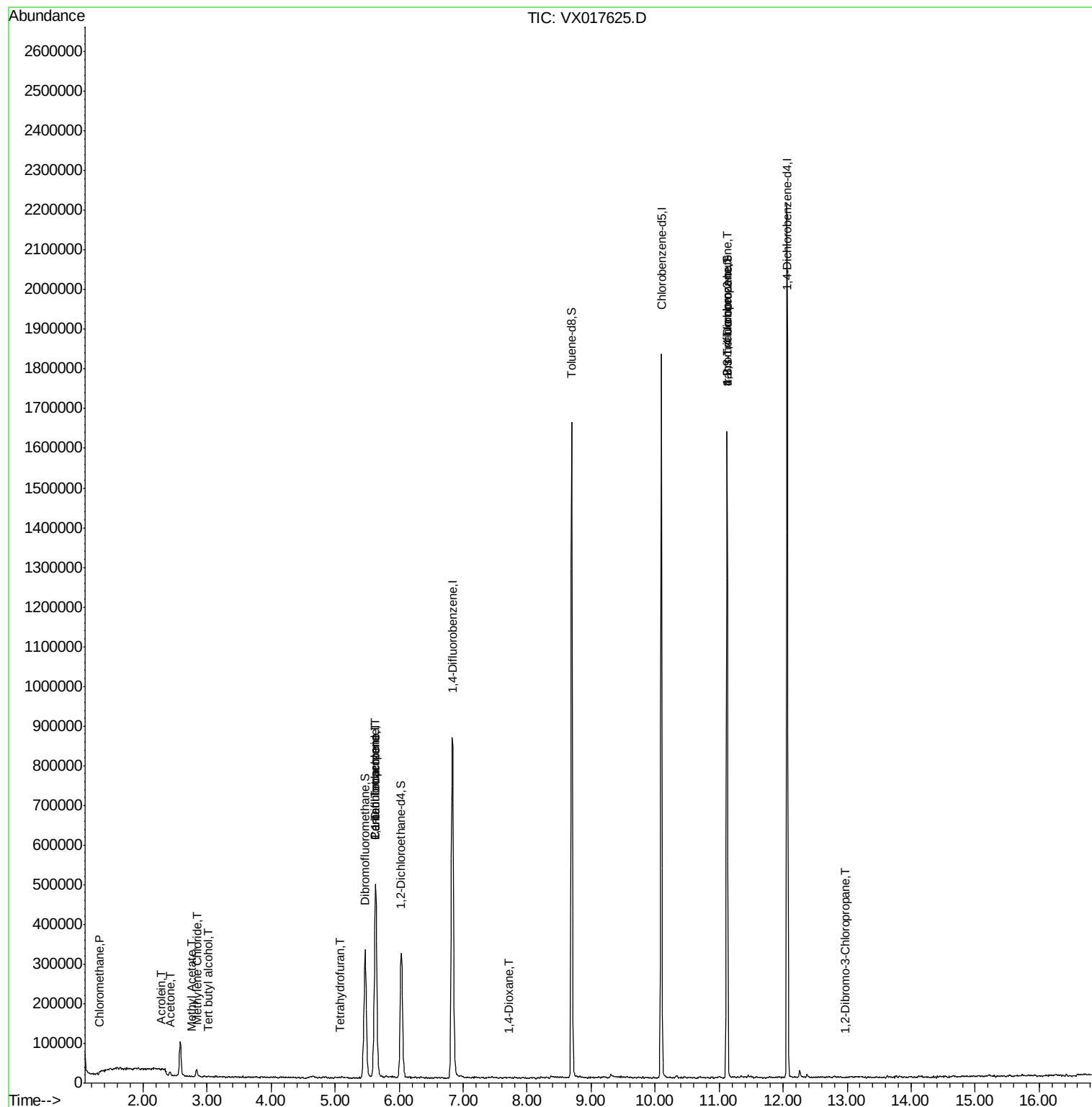
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	562	Below Cal		77
3) Chloromethane	1.31	50	2438	0.778 ug/l #		88
5) Bromomethane	1.61	94	492	Below Cal #		3
6) Chloroethane	1.71	64	278	Below Cal #		45
8) Diethyl Ether	2.17	74	956	Below Cal		95
11) Tert butyl alcohol	3.03	59	437	0.339 ug/l #		1
13) Acrolein	2.28	56	342	4.491 ug/l #		1
16) Acetone	2.42	43	10450	3.886 ug/l		95
18) Methyl Acetate	2.75	43	1862	0.294 ug/l #		88
20) Methylene Chloride	2.83	84	9043	0.514 ug/l #		92
29) Tetrahydrofuran	5.08	42	616	0.260 ug/l #		87
36) 1,1-Dichloropropene	5.63	75	34210	4.109 ug/l #		53
38) Carbon Tetrachloride	5.63	117	46616	4.611 ug/l #		16
49) 1,4-Dioxane	7.71	88	163	1.141 ug/l #		13
76) 1,2,3-Trichloropropane	11.12	75	213659	23.527 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.12	75	213659	59.283 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	251	2.666 ug/l #		39

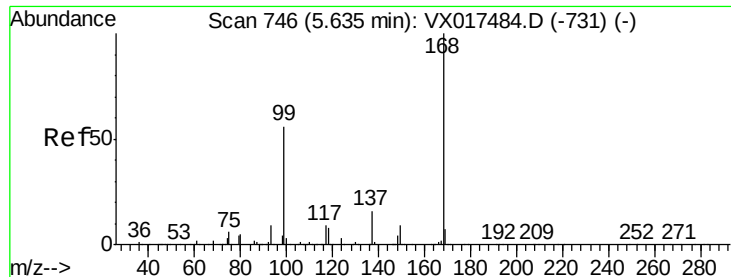
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

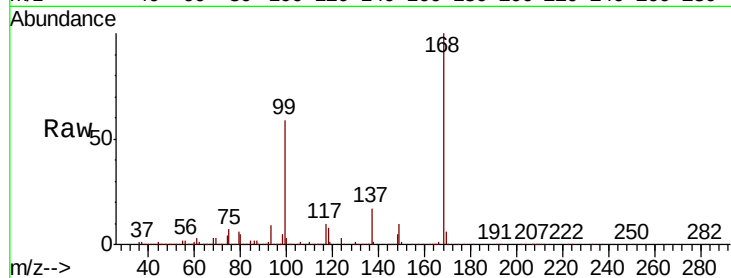
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 475675

Ion Ratio Lower Upper

168 100

99 58.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

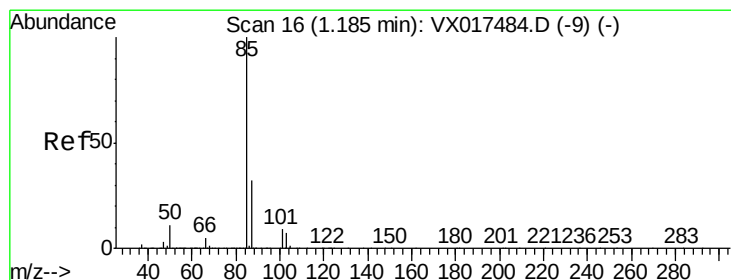
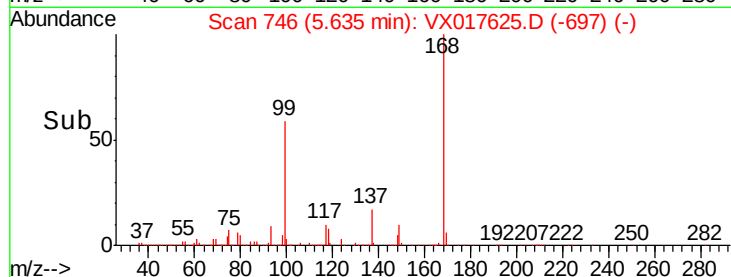
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017625.D

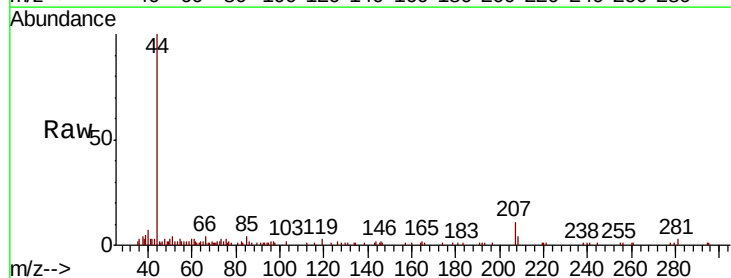
Acq: 27 Jul 2020 18:32

Tgt Ion: 85 Resp: 562

Ion Ratio Lower Upper

85 100

87 19.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

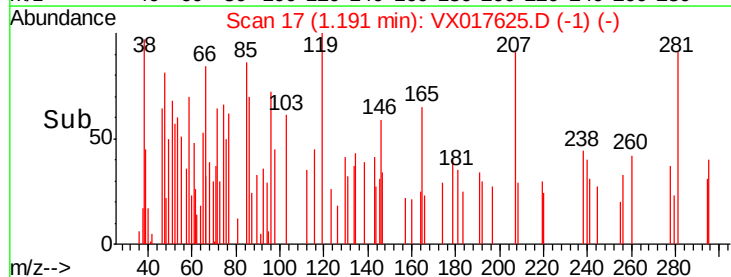
300

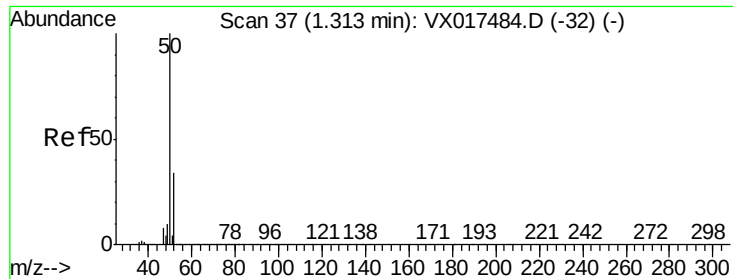
200

100

0

Time-->





#3

Chloromethane

Concen: 0.778 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

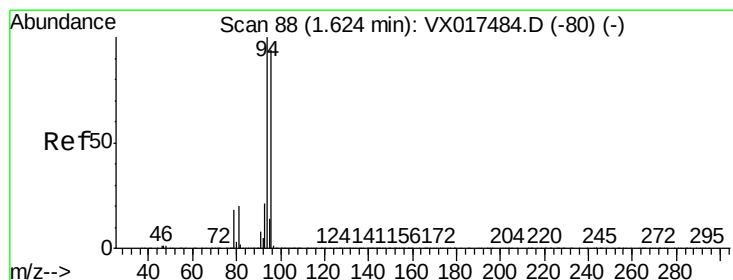
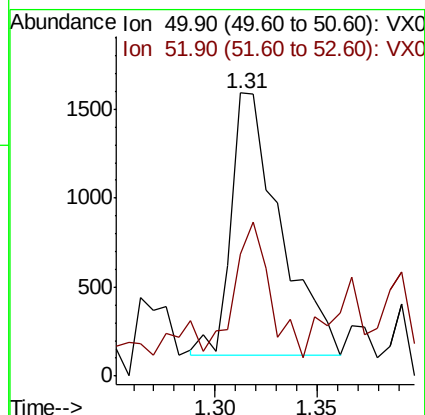
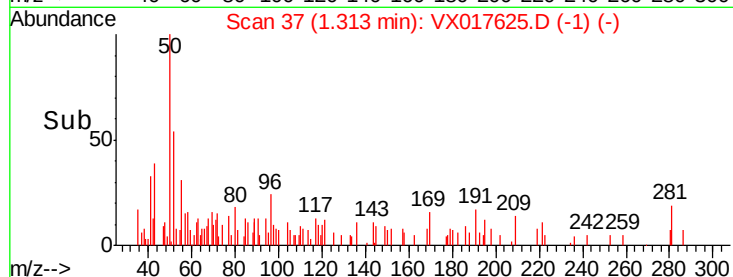
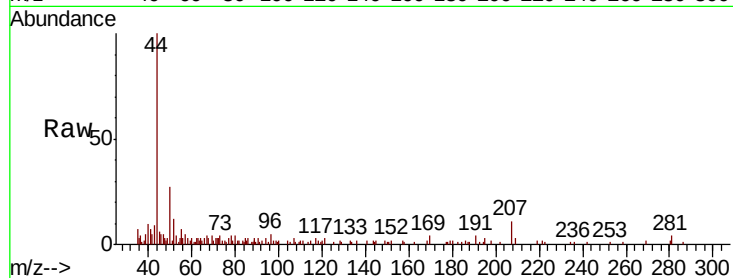
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 50 Resp: 2438

Ion Ratio Lower Upper

50 100

52 25.7 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 85

Delta R.T. -0.02 min

Lab File: VX017625.D

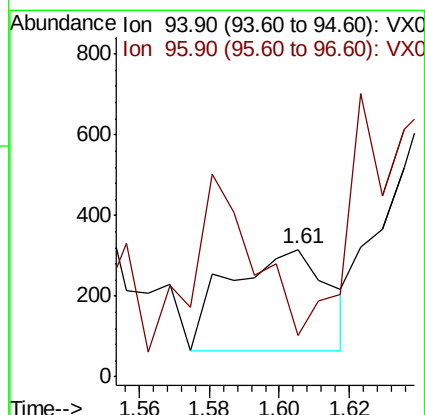
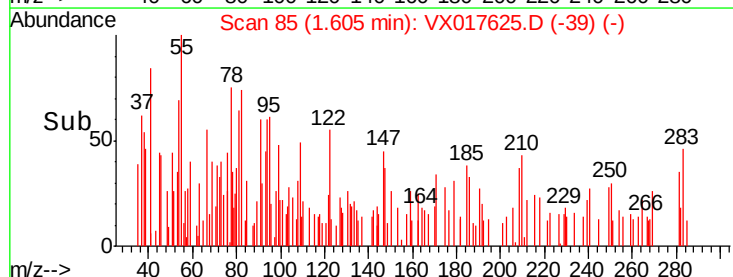
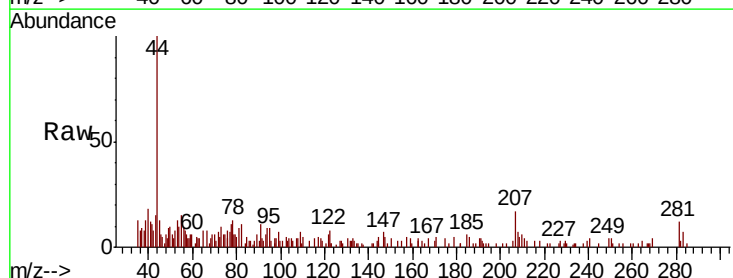
Acq: 27 Jul 2020 18:32

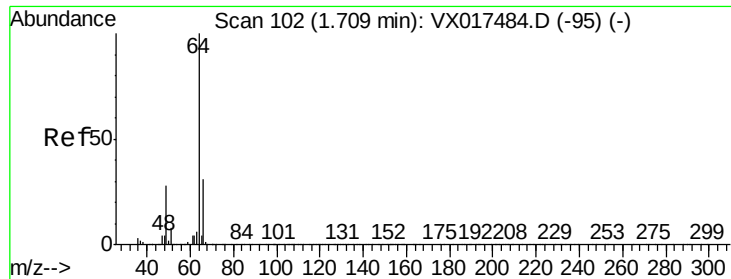
Tgt Ion: 94 Resp: 492

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

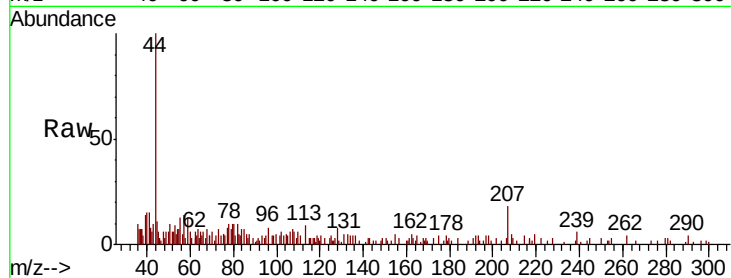
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 64 Resp: 278

Ion Ratio Lower Upper

64 100

66 0.8 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

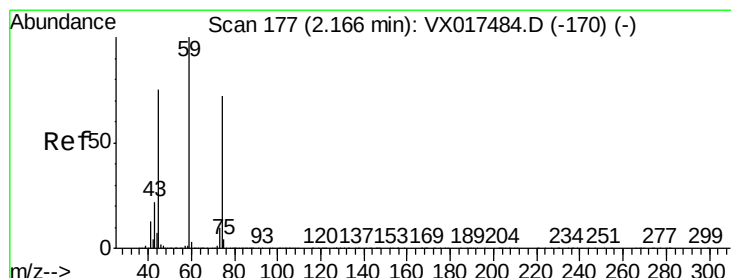
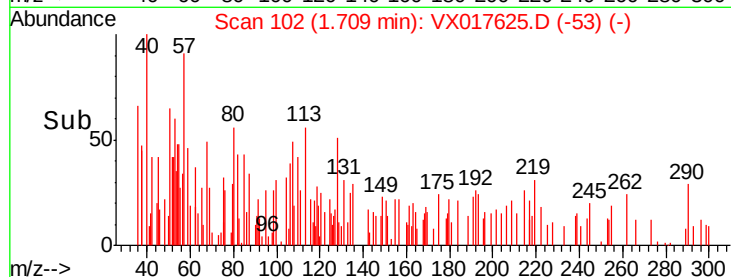
400

200

100

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017625.D

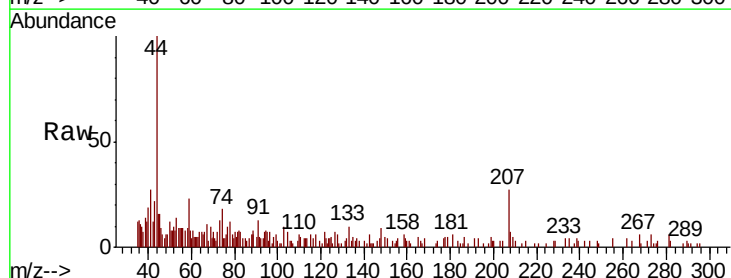
Acq: 27 Jul 2020 18:32

Tgt Ion: 74 Resp: 956

Ion Ratio Lower Upper

74 100

45 106.5 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1200

1000

800

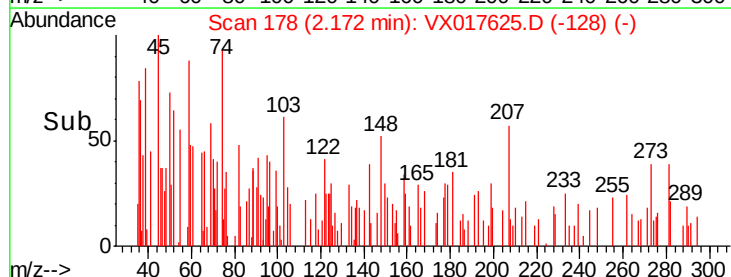
600

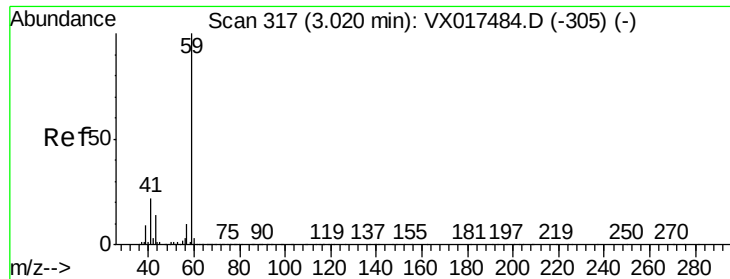
400

200

0

Time-->



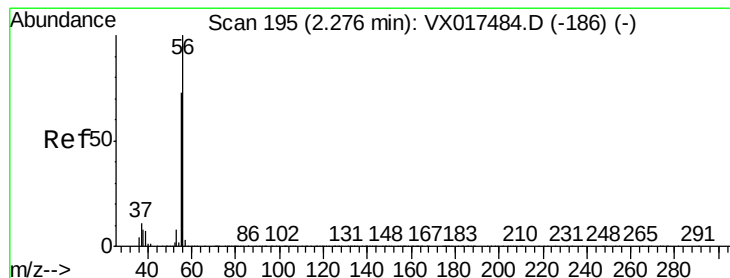
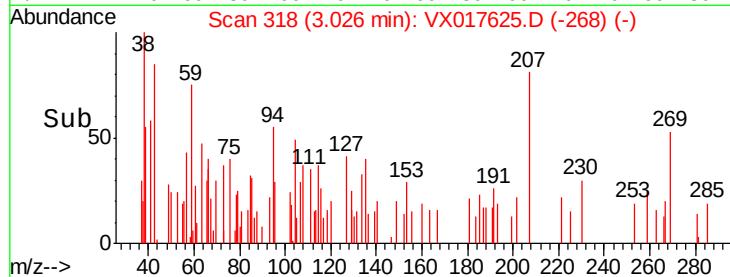
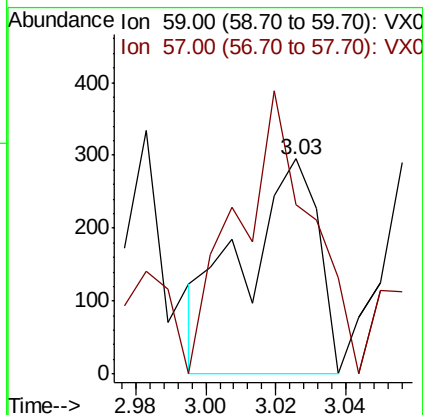
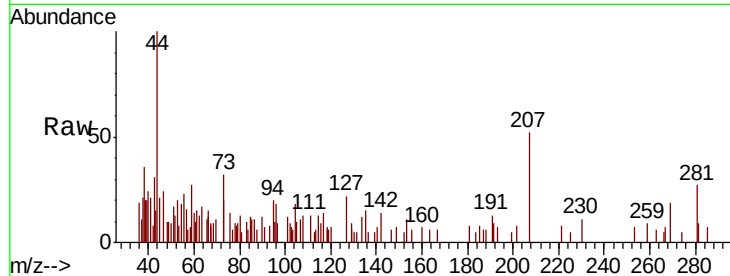


#11

Tert butyl alcohol
Concen: 0.339 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

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

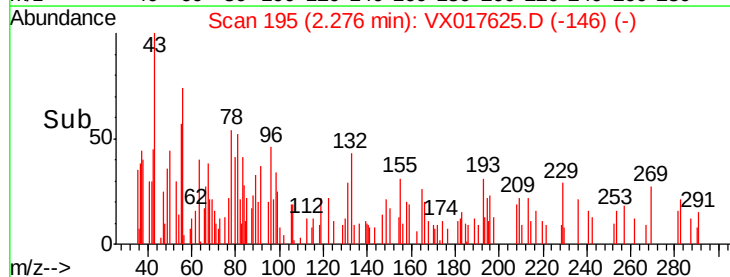
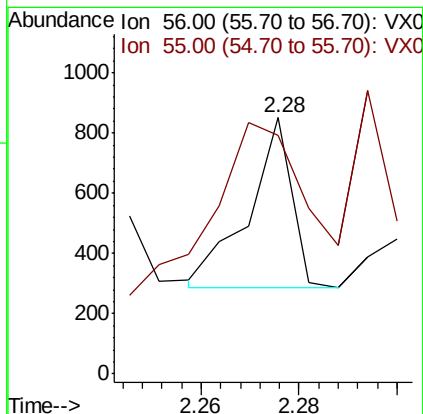
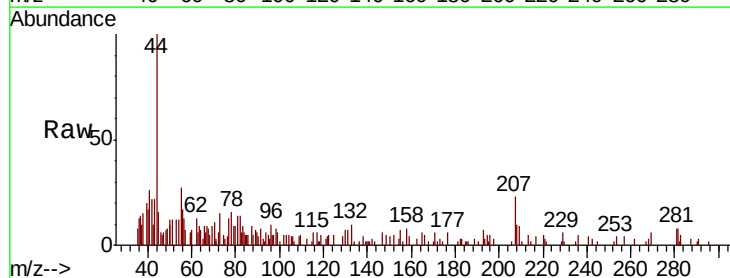
Tot Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 128.8 8.6 12.8#

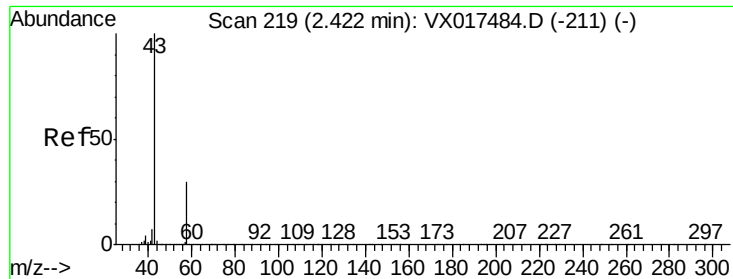


#13

Acrolein
Concen: 4.491 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

Tgt Ion: 56 Resp: 342
Ion Ratio Lower Upper
56 100
55 268.7 57.4 86.2#

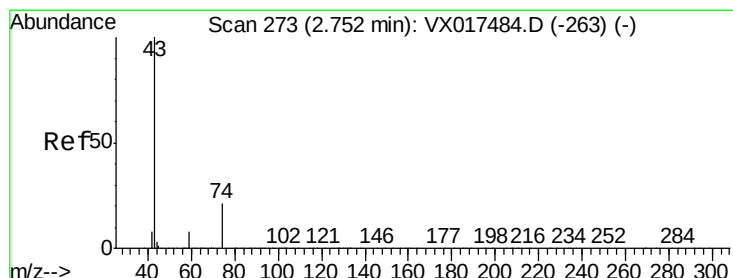
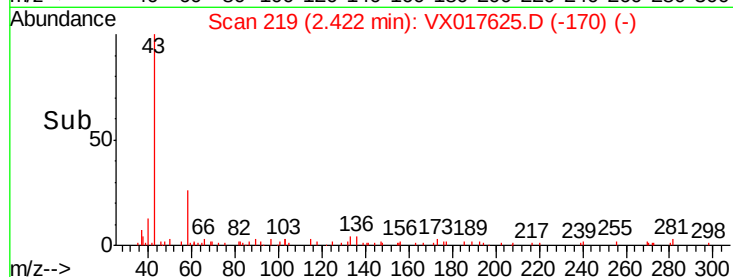
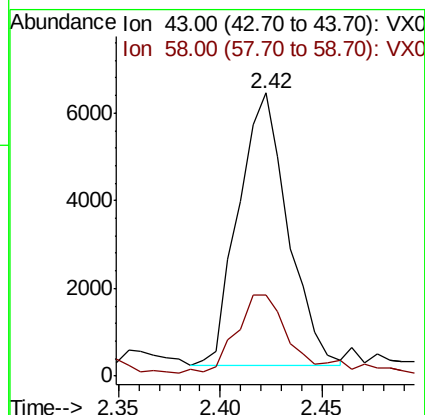
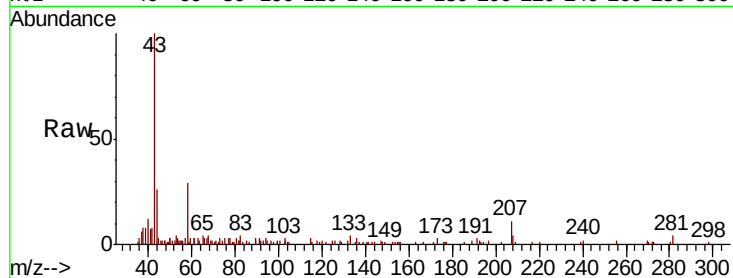




#16
Acetone
Concen: 3.886 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

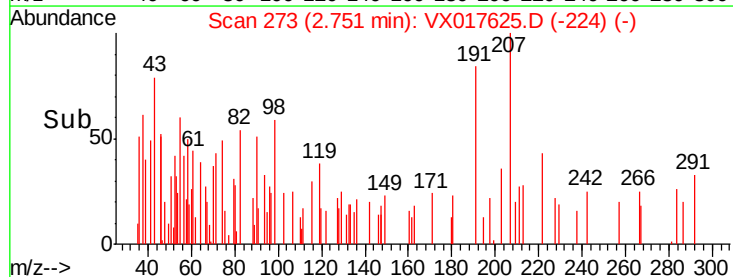
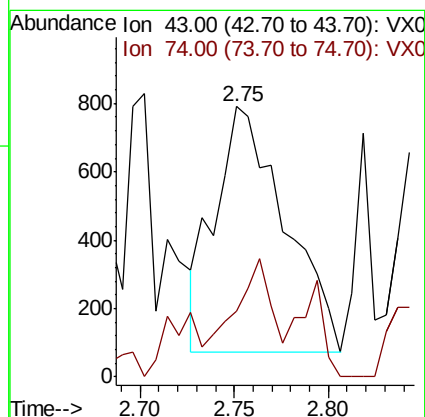
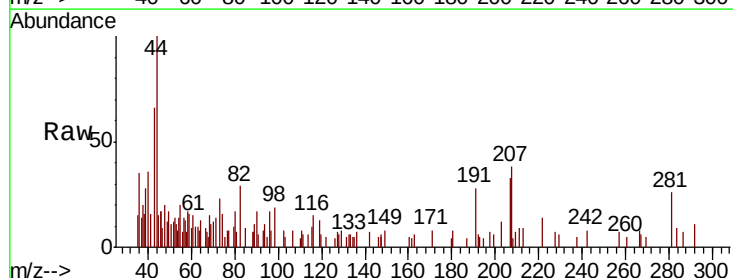
Instrument :
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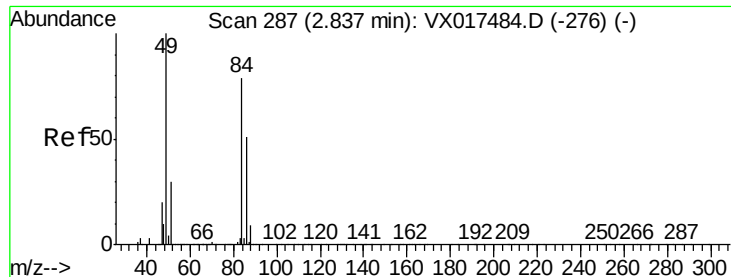
Tot Ion: 43 Resp: 10450
Ion Ratio Lower Upper
43 100
58 27.6 24.2 36.4



#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

Tgt Ion: 43 Resp: 1862
Ion Ratio Lower Upper
43 100
74 27.4 17.5 26.3#

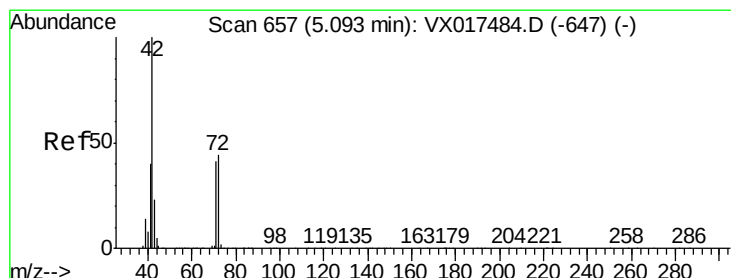
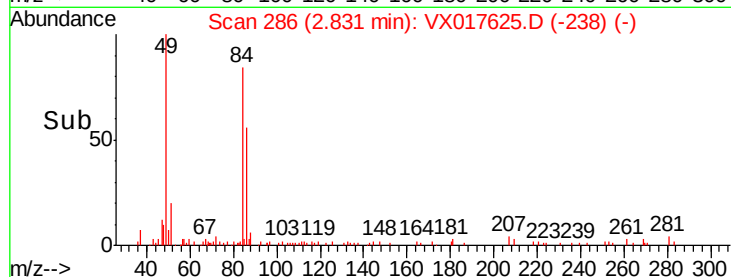
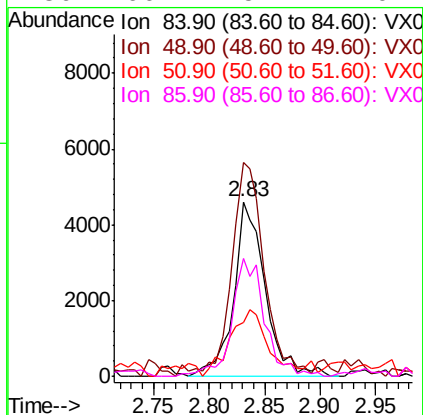
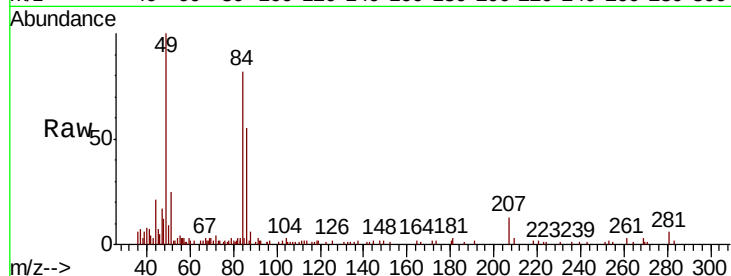




#20
Methvlene Chloride
Concen: 0.514 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

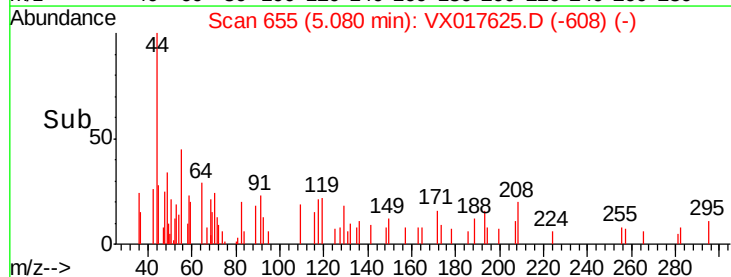
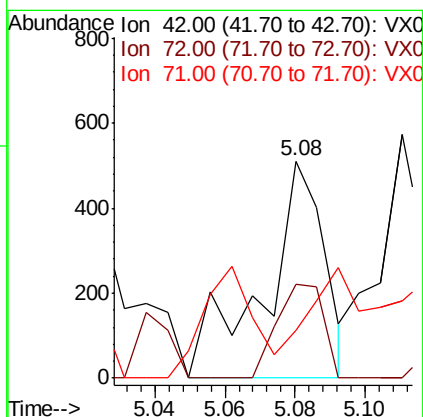
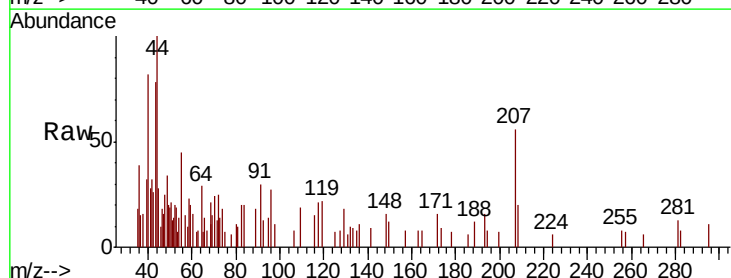
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

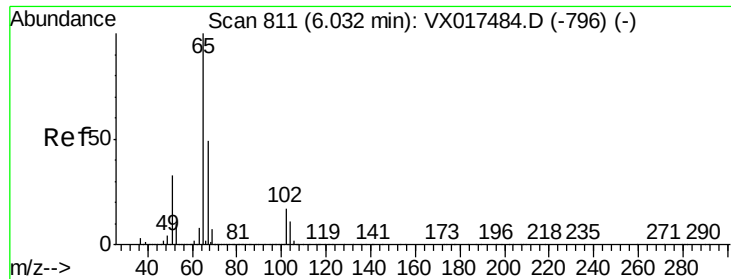
Tot Ion:	84	Resp:	9043
Ion	Ratio	Lower	Upper
84	100		
49	119.8	100.3	150.5
51	23.4	30.5	45.7#
86	66.2	51.1	76.7



#29
Tetrahydrofuran
Concen: 0.260 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

Tgt Ion:	42	Resp:	616
Ion	Ratio	Lower	Upper
42	100		
72	33.1	35.5	53.3#
71	35.6	33.0	49.4





#33

1,2-Dichloroethane-d4

Concen: 51.592 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

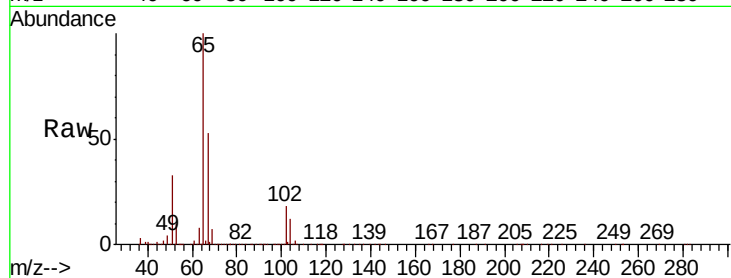
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 315242

Ion Ratio Lower Upper

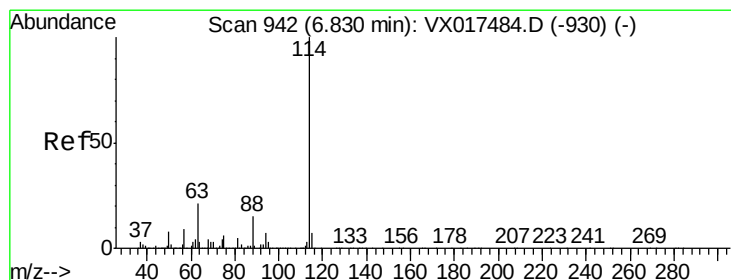
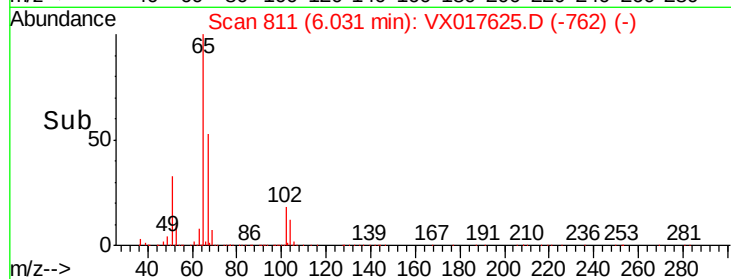
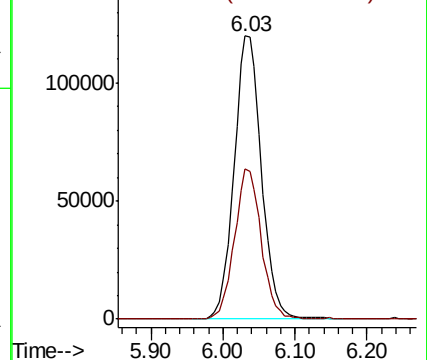
65 100

67 52.0 0.0 102.8



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: VX017625.D

Acq: 27 Jul 2020 18:32

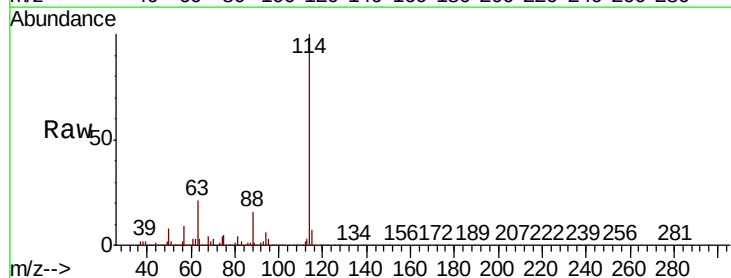
Tgt Ion: 114 Resp: 867980

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

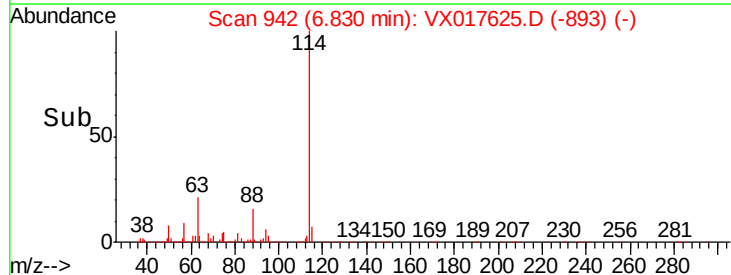
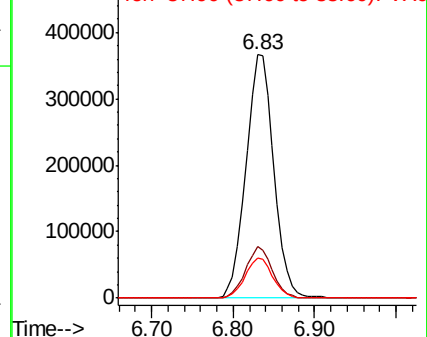
88 16.3 0.0 33.4

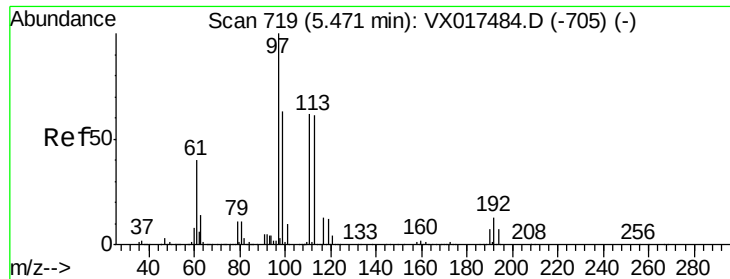


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

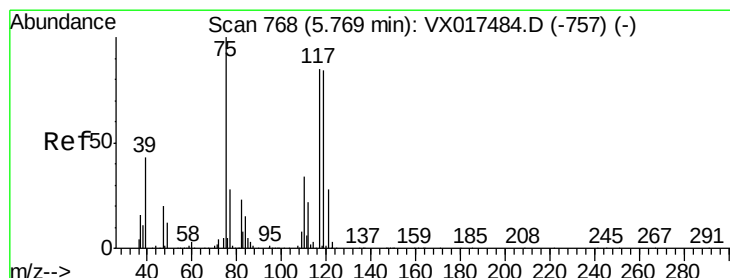
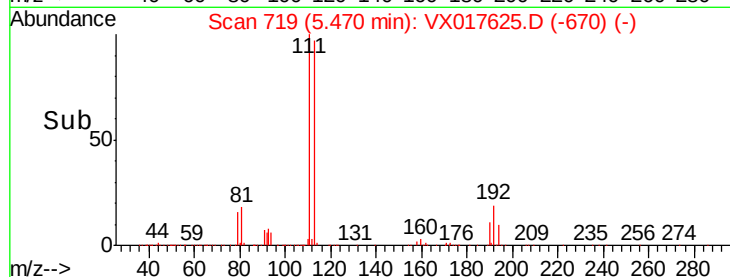
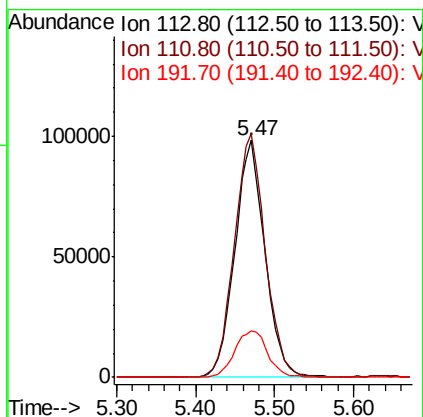
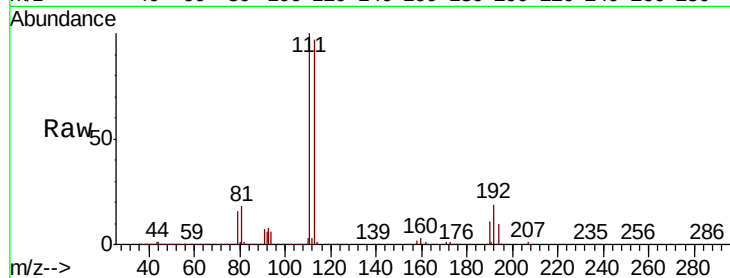




#35
 Dibromofluoromethane
 Concen: 44.980 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017625.D
 Acq: 27 Jul 2020 18:32

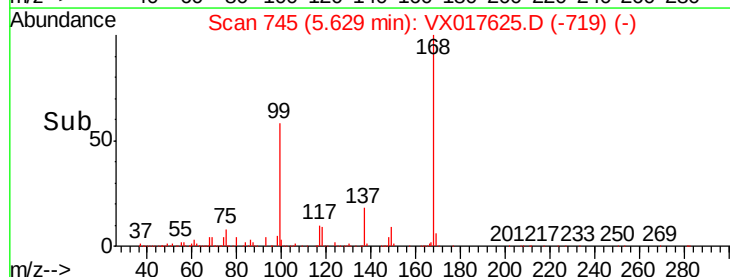
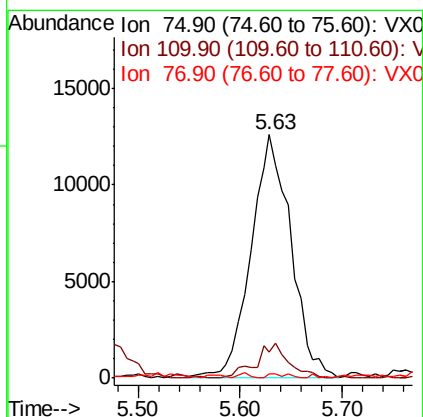
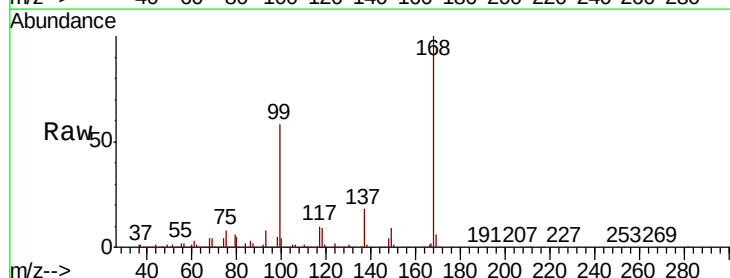
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

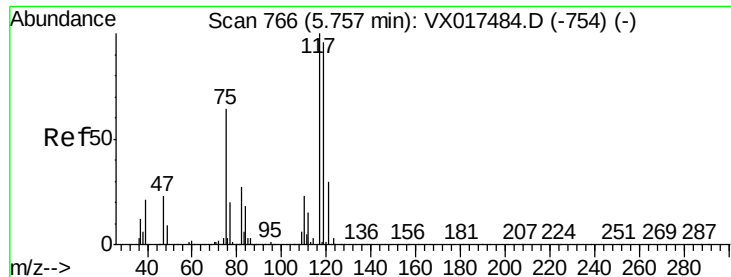
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	80.7	121.1
192	21.5	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.109 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017625.D
 Acq: 27 Jul 2020 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	18.1	54.3#
77	0.9	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 4.611 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

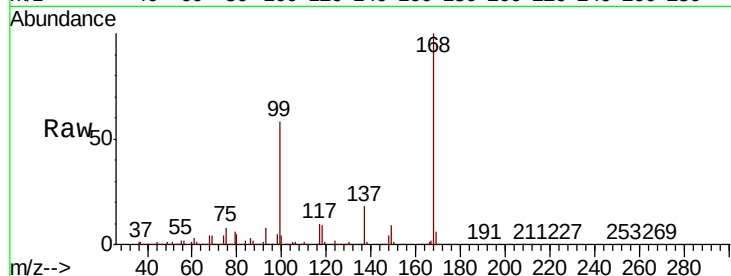
Tot Ion:117 Resp: 46616

Ion Ratio Lower Upper

117 100

119 4.8 75.4 113.0#

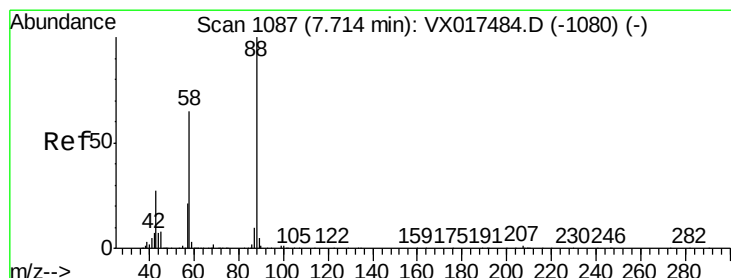
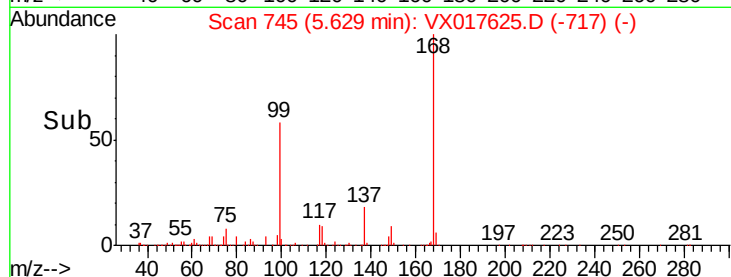
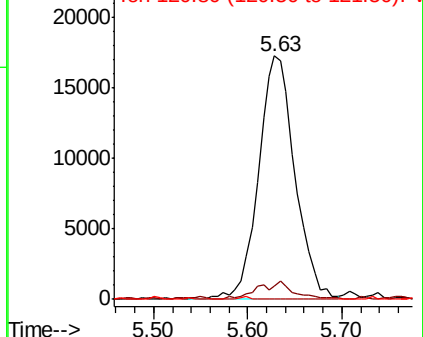
121 0.0 24.3 36.5#



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: 1.141 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

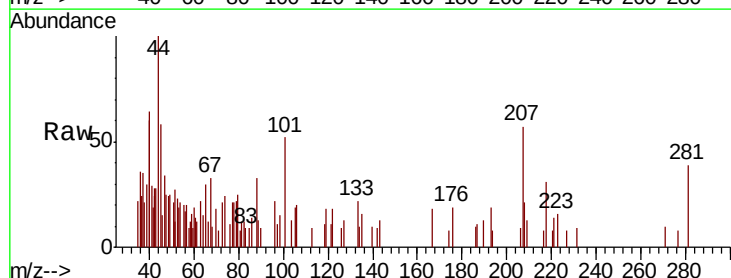
Tgt Ion: 88 Resp: 163

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

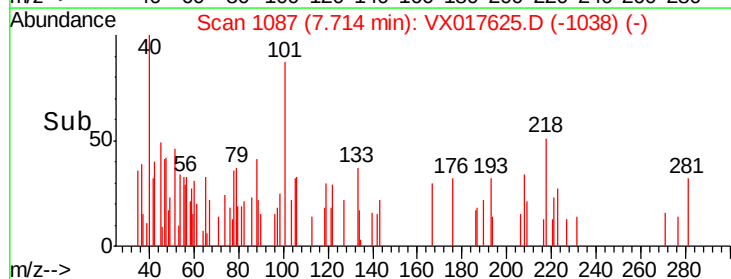
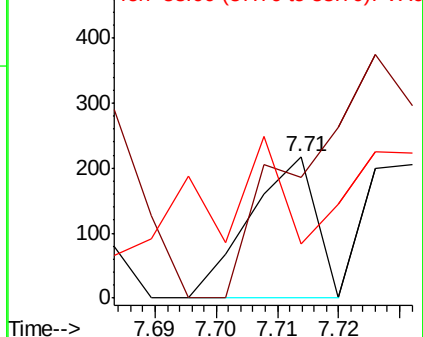
58 156.4 58.3 87.5#

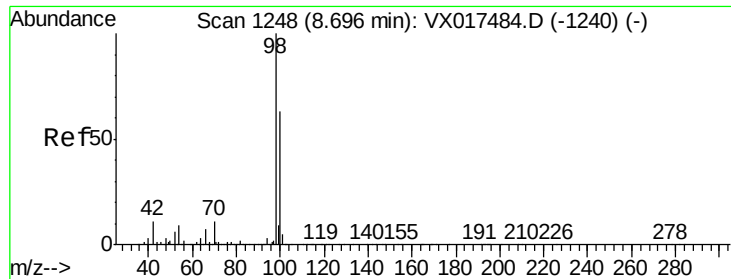


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

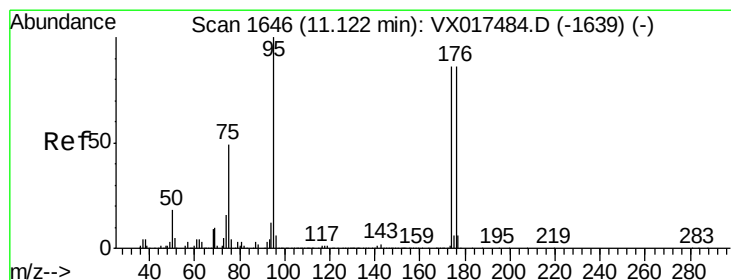
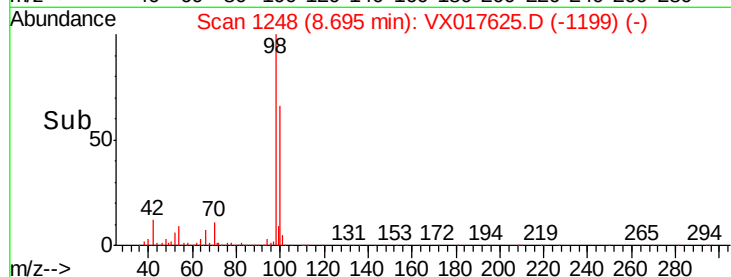
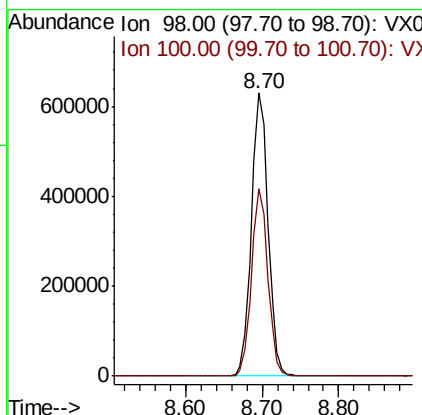
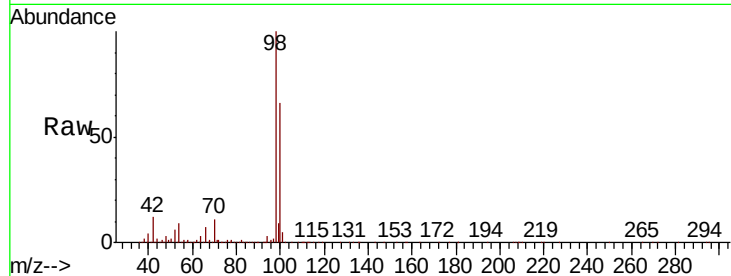




#50
Toluene-d8
Concen: 45.729 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

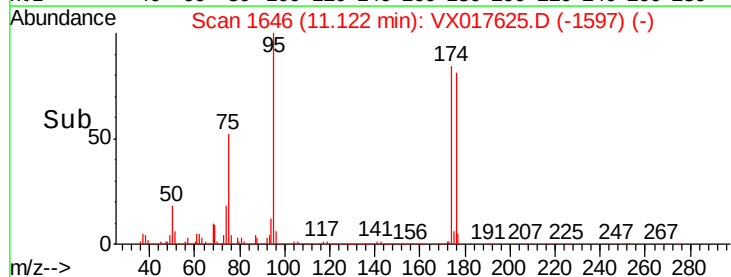
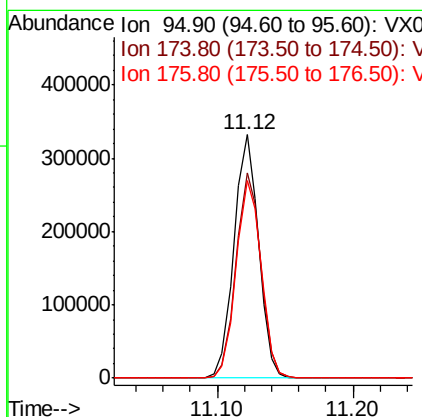
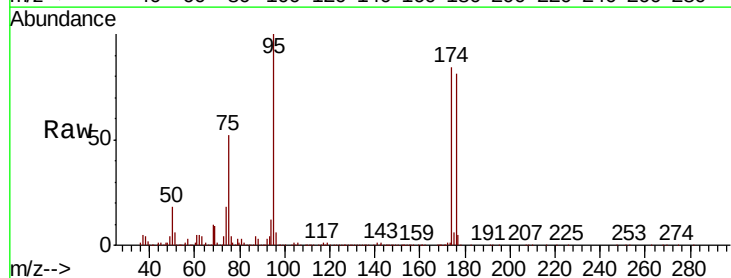
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

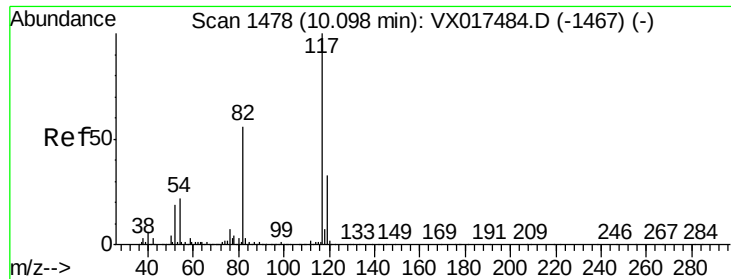
Tot Ion: 98 Resp: 957653
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.781 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

Tgt Ion: 95 Resp: 417209
Ion Ratio Lower Upper
95 100
174 85.2 0.0 169.0
176 83.1 0.0 161.0

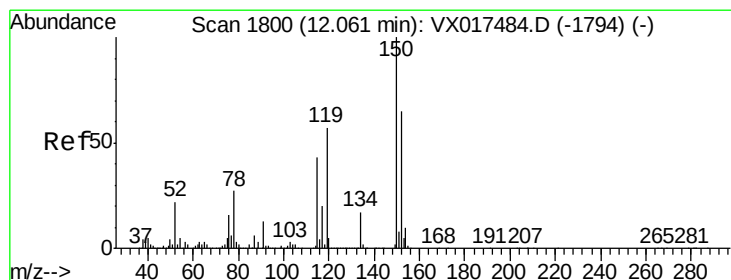
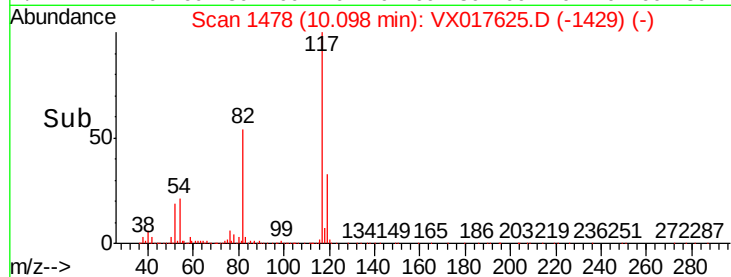
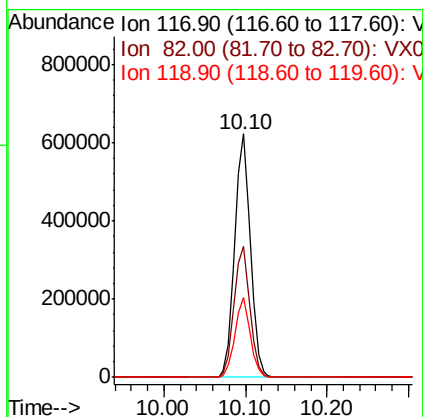
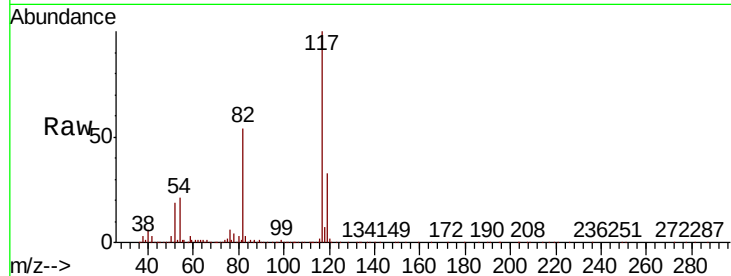




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

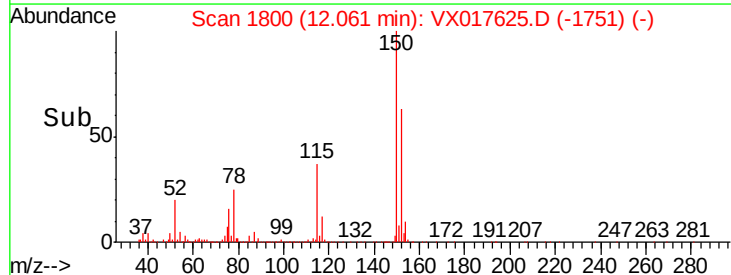
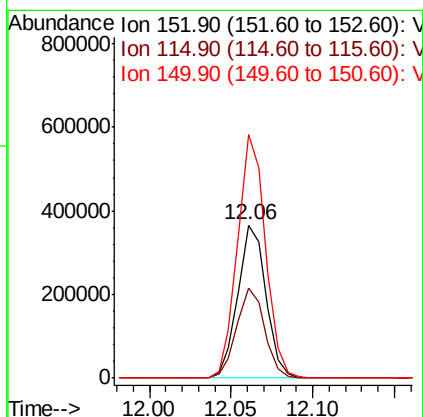
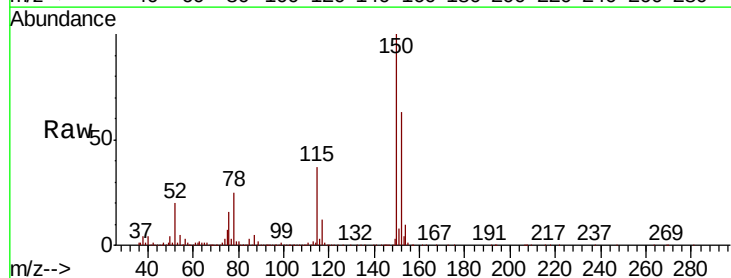
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

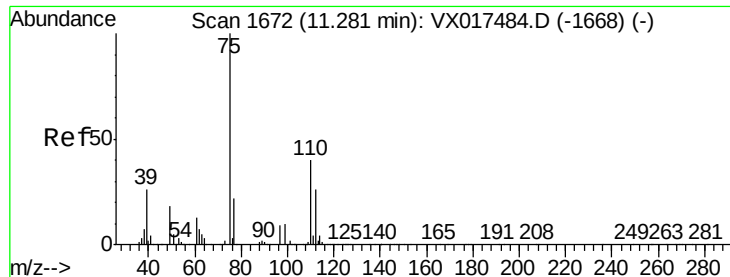
Tot Ion:117 Resp: 813329
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017625.D
Acq: 27 Jul 2020 18:32

Tgt Ion:152 Resp: 441480
Ion Ratio Lower Upper
152 100
115 58.6 65.5 196.6#
150 157.7 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.527 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

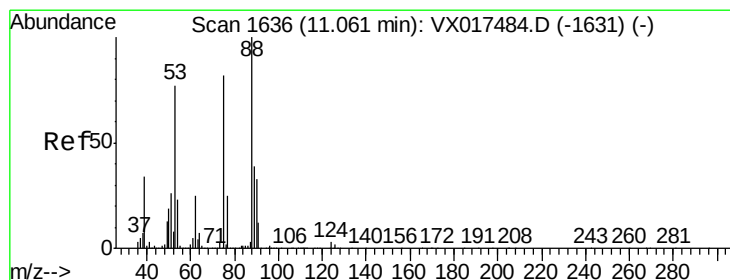
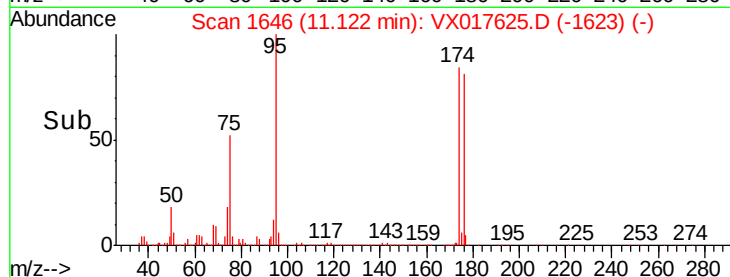
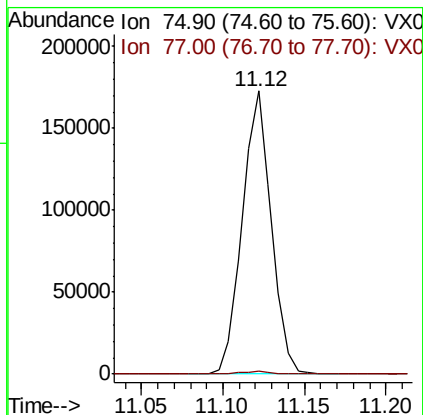
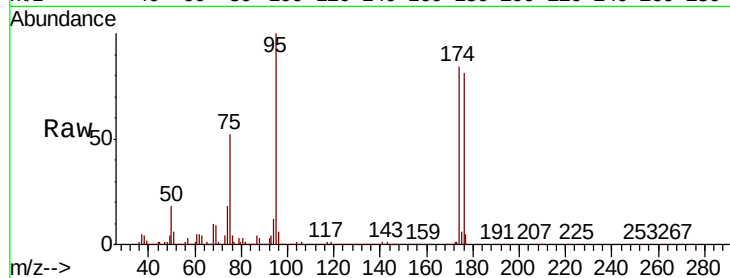
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 213659

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.283 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

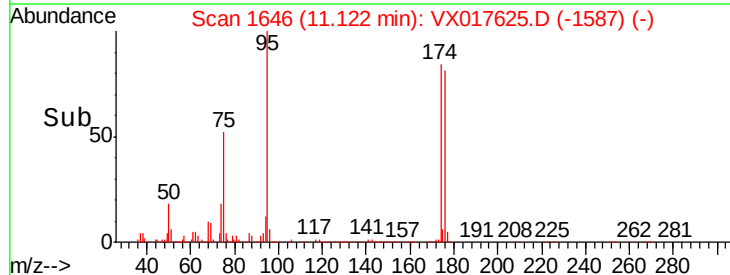
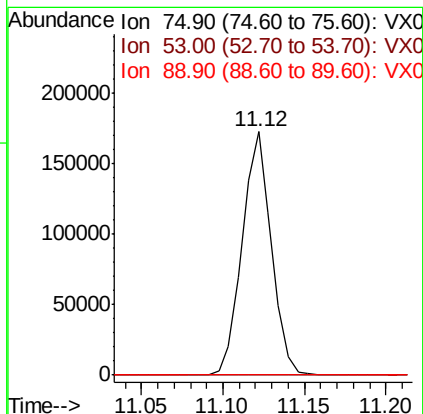
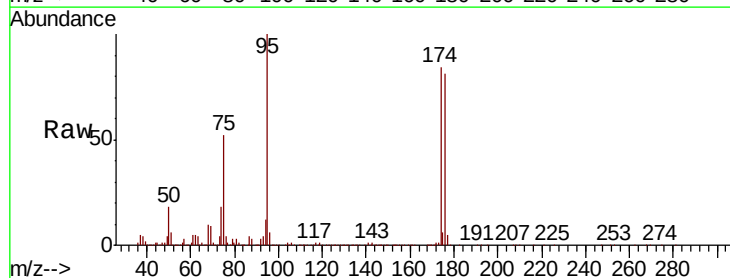
Tgt Ion: 75 Resp: 213659

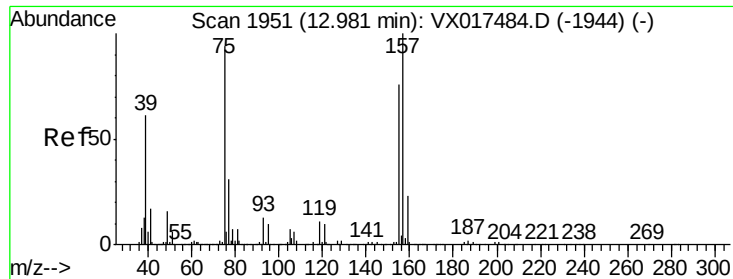
Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.666 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017625.D

Acq: 27 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

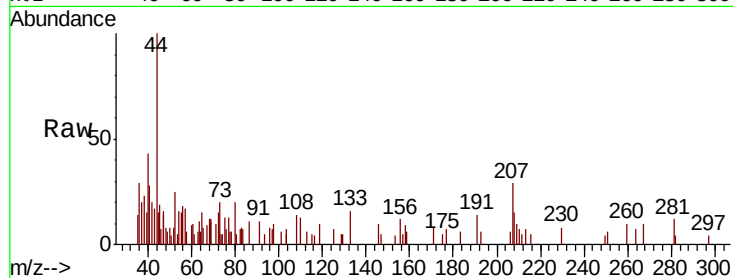
Tot Ion: 75 Resp: 251

Ion Ratio Lower Upper

75 100

155 54.6 42.3 126.8

157 22.3 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

