

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082120\
 Data File : VX018058.D
 Acq On : 21 Aug 2020 14:59
 Operator : JC/SP
 Sample : L3770-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-SOILREF-6

Quant Time: Aug 21 23:53:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	575453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	939725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	876240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	398844	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	377658	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	5.47	113	309592	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	8.70	98	1092992	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
62) 4-Bromofluorobenzene	11.12	95	423198	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	

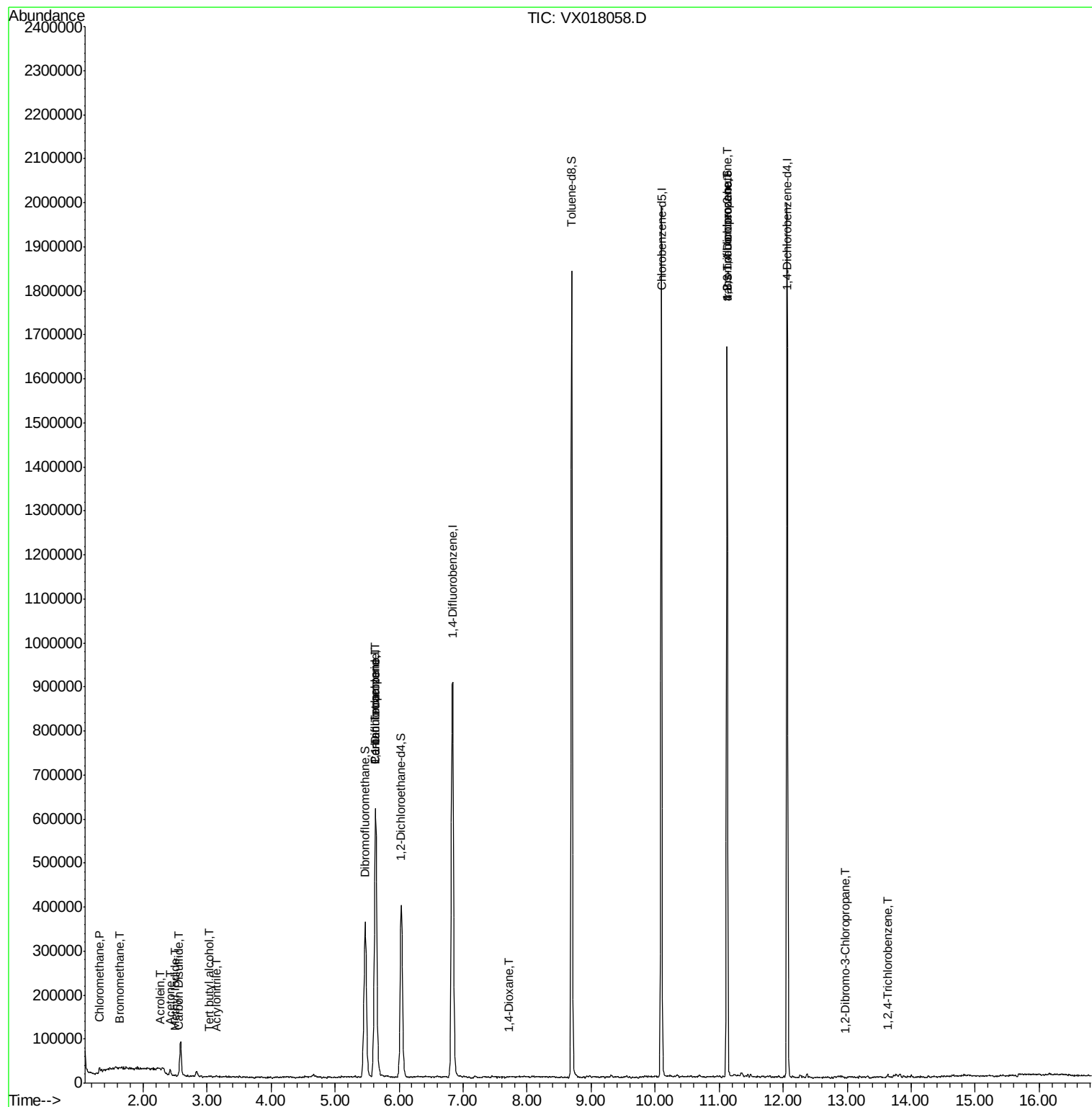
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	6440	0.872	ug/l	89
5) Bromomethane	1.64	94	1455	0.410	ug/l #	30
10) Methyl Iodide	2.51	142	1097	5.456	ug/l #	79
11) Tert butyl alcohol	3.03	59	324	0.209	ug/l #	71
13) Acrolein	2.27	56	493	0.765	ug/l #	81
15) Acrylonitrile	3.14	53	912	0.259	ug/l #	44
16) Acetone	2.42	43	14251	4.578	ug/l	98
17) Carbon Disulfide	2.55	76	3894	0.229	ug/l #	90
20) Methylene Chloride	2.84	84	6172	Below Cal		92
36) 1,1-Dichloropropene	5.63	75	44542	5.139	ug/l #	51
38) Carbon Tetrachloride	5.64	117	58958	6.036	ug/l #	16
49) 1,4-Dioxane	7.71	88	240	1.637	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	211861	23.879	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	211861	64.492	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	587	0.253	ug/l #	23
93) 1,2,4-Trichlorobenzene	13.63	180	1666	0.208	ug/l	98

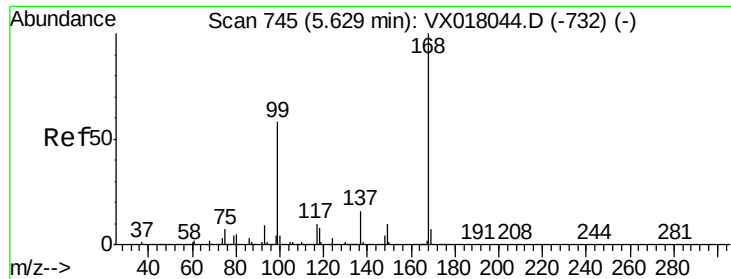
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082120\
Data File : VX018058.D
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Quant Time: Aug 21 23:53:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

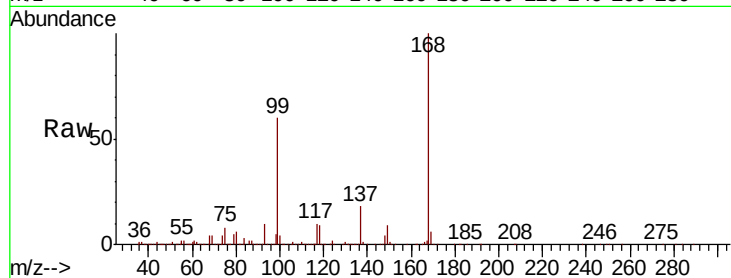
STORAGEBLANK-SOILREF-6

Tot Ion:168 Resp: 575453

Ion Ratio Lower Upper

168 100

99 60.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

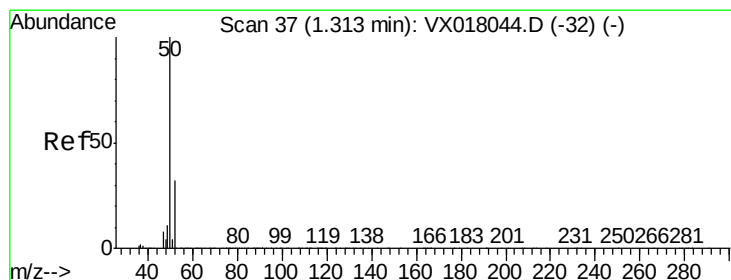
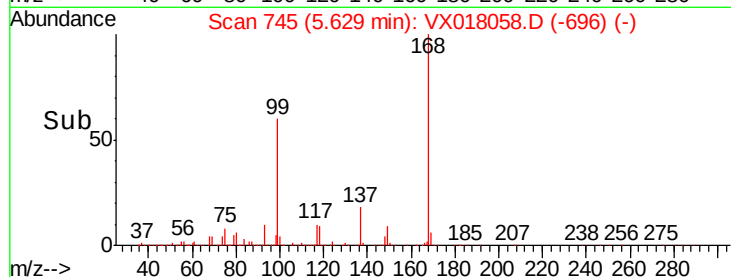
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.872 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018058.D

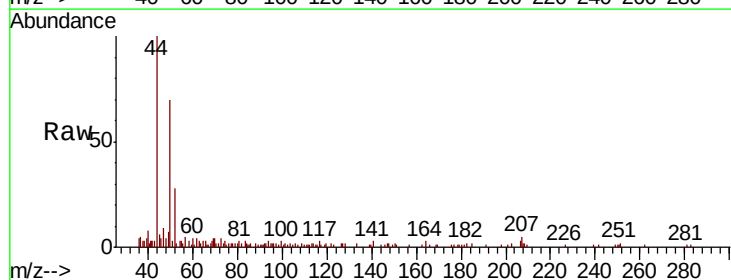
Acq: 21 Aug 2020 14:59

Tgt Ion: 50 Resp: 6440

Ion Ratio Lower Upper

50 100

52 37.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

6000

5000

4000

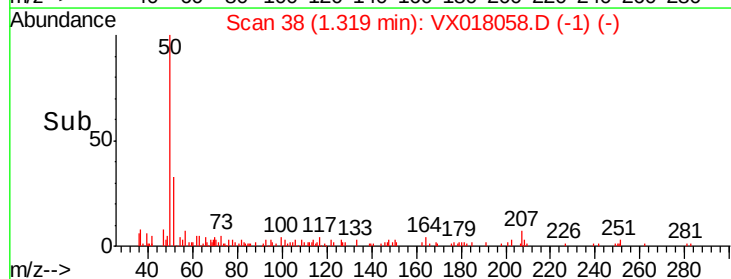
3000

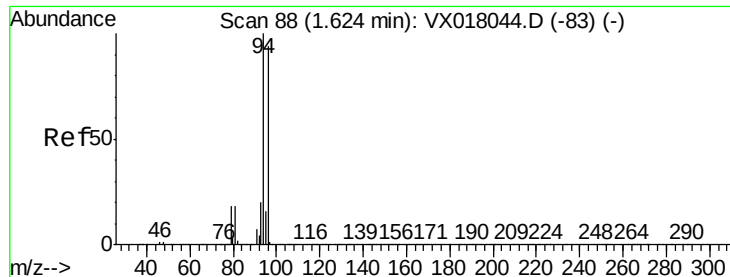
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.410 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

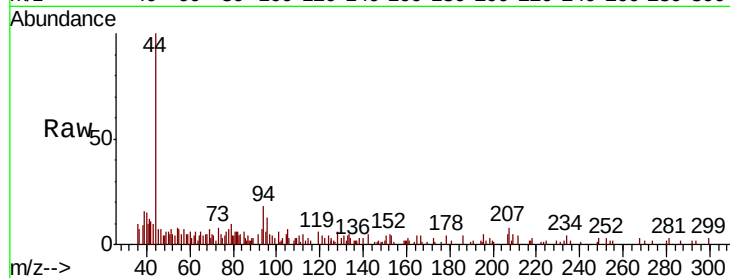
STORAGEBLANK-SOILREF-6

Tot Ion: 94 Resp: 1455

Ion Ratio Lower Upper

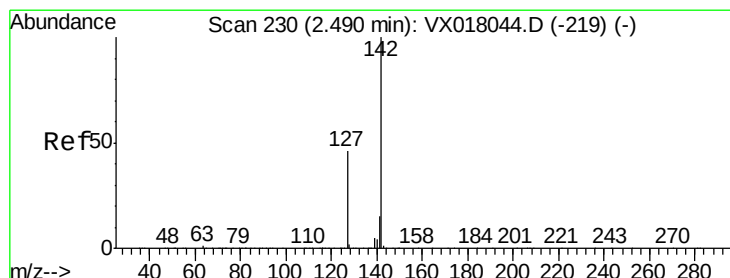
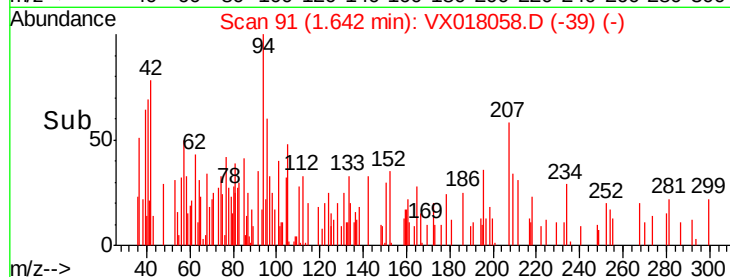
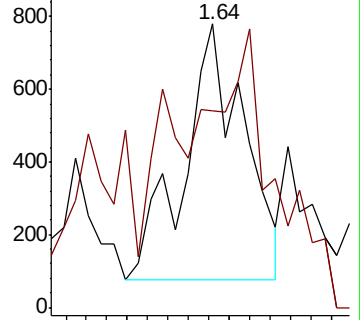
94 100

96 26.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.456 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

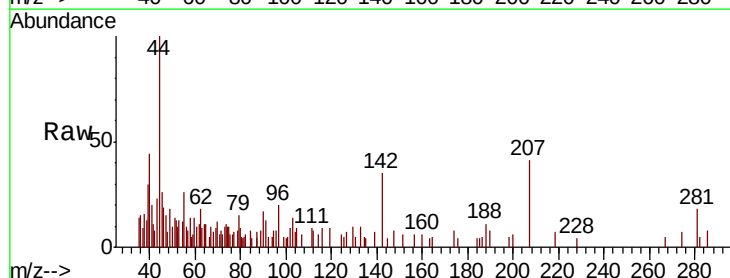
Tgt Ion: 142 Resp: 1097

Ion Ratio Lower Upper

142 100

127 34.9 37.0 55.6#

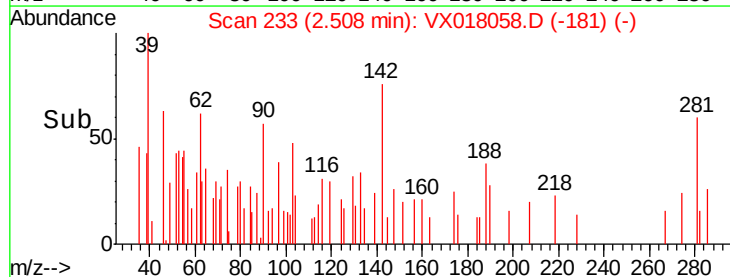
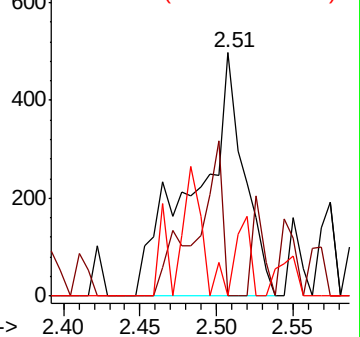
141 0.0 11.5 17.3#

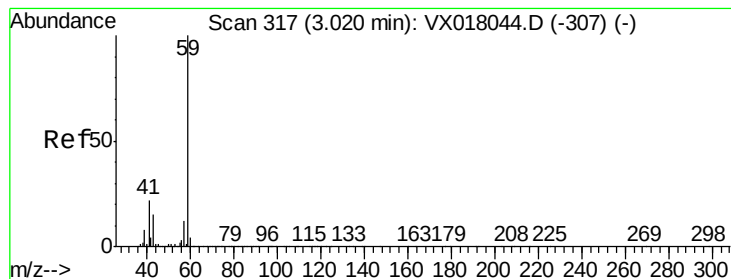


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



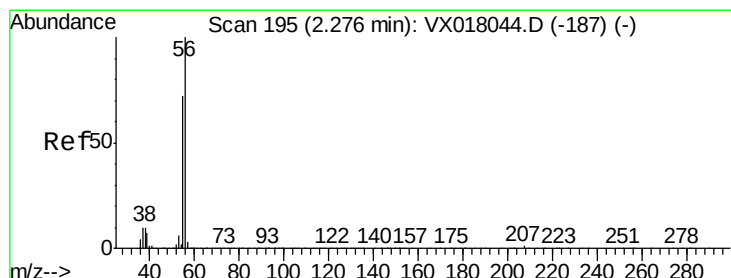
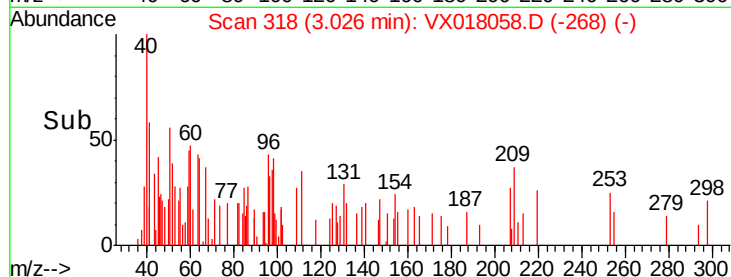
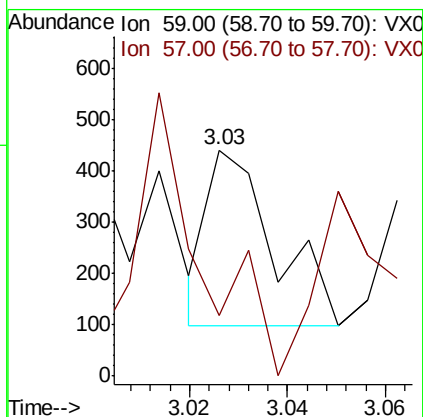
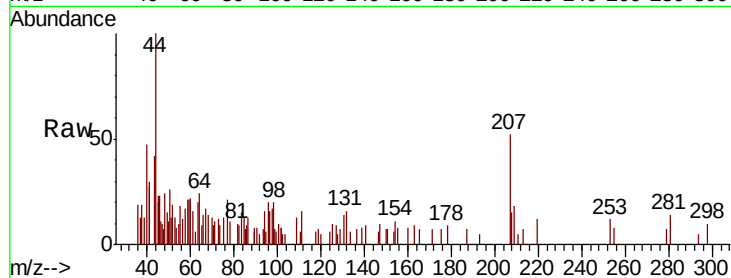


#11

Tert butyl alcohol
Concen: 0.209 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX018058.D
Acq: 21 Aug 2020 14:59

Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

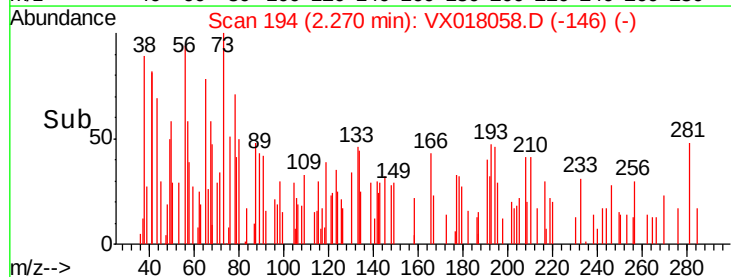
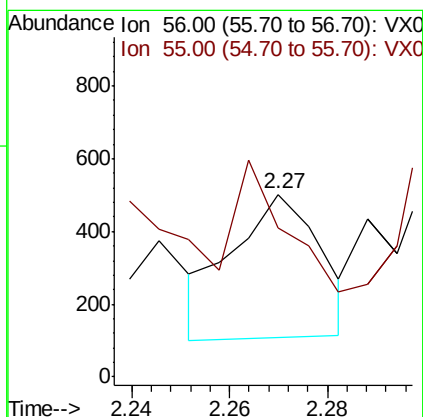
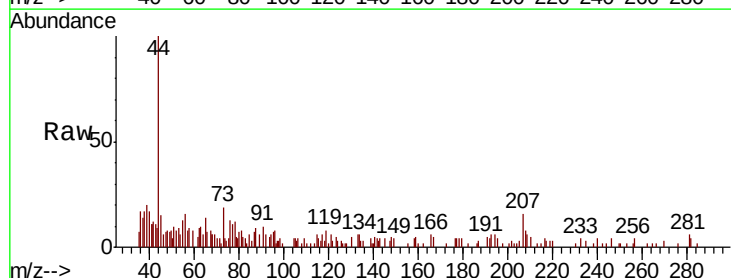
Tot Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

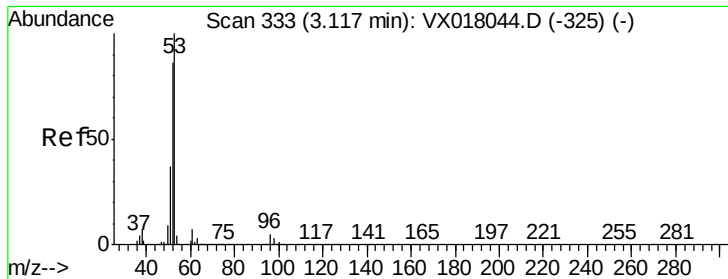


#13

Acrolein
Concen: 0.765 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018058.D
Acq: 21 Aug 2020 14:59

Tgt Ion: 56 Resp: 493
Ion Ratio Lower Upper
56 100
55 55.4 57.0 85.6#





#15

Acrylonitrile

Concen: 0.259 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.02 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

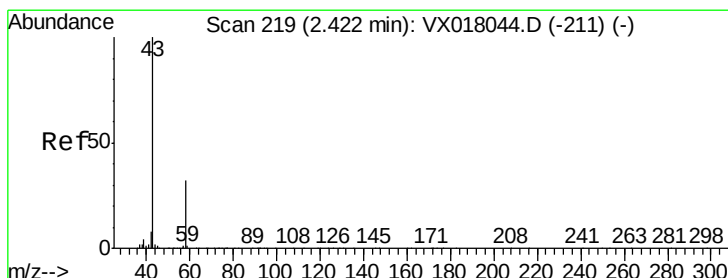
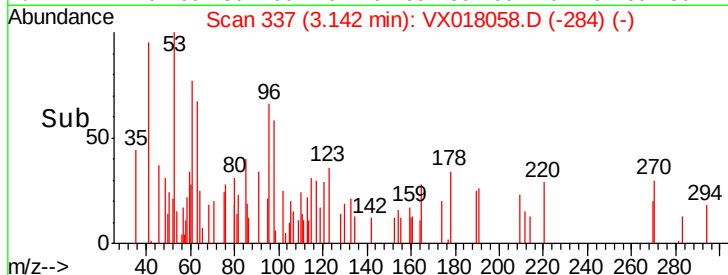
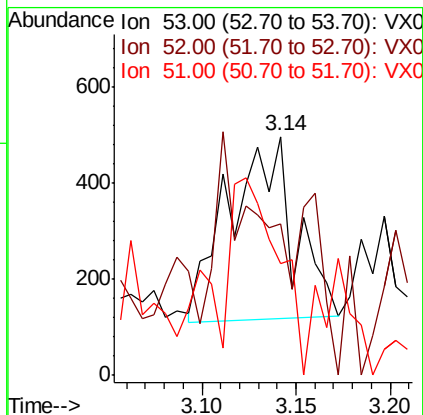
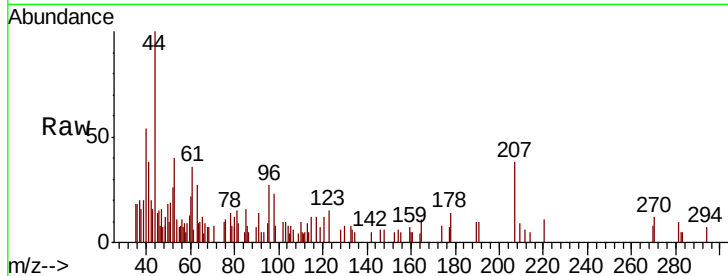
Tot Ion: 53 Resp: 912

Ion Ratio Lower Upper

53 100

52 35.4 66.9 100.3#

51 0.0 28.7 43.1#



#16

Acetone

Concen: 4.578 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018058.D

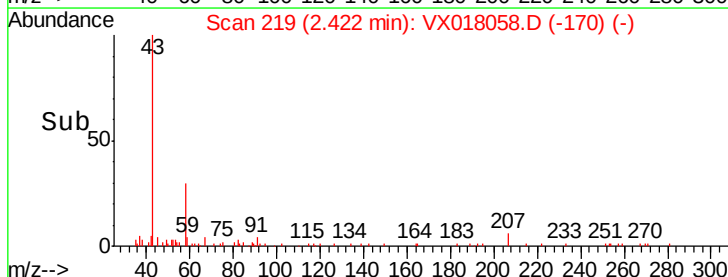
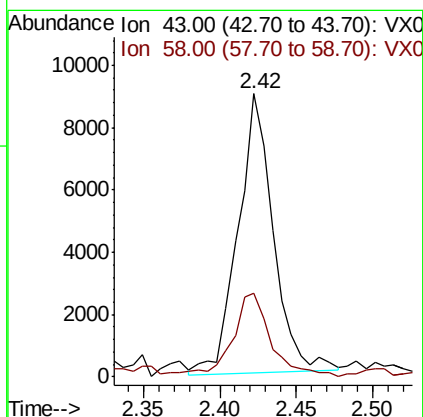
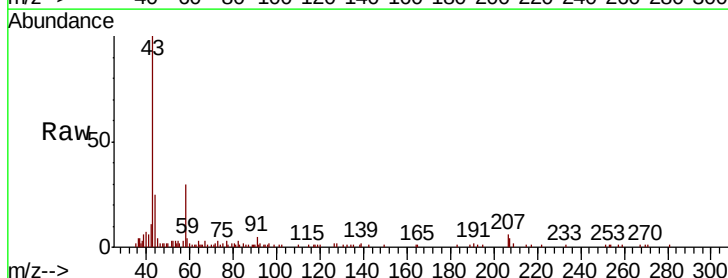
Acq: 21 Aug 2020 14:59

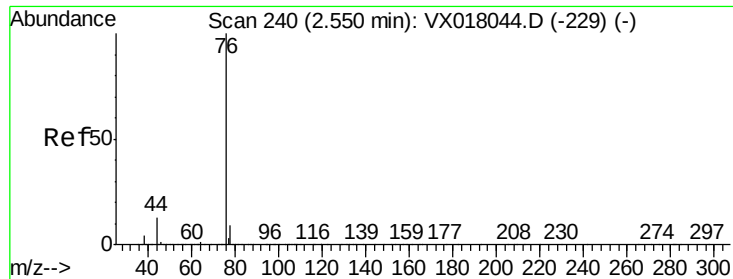
Tgt Ion: 43 Resp: 14251

Ion Ratio Lower Upper

43 100

58 30.5 25.5 38.3

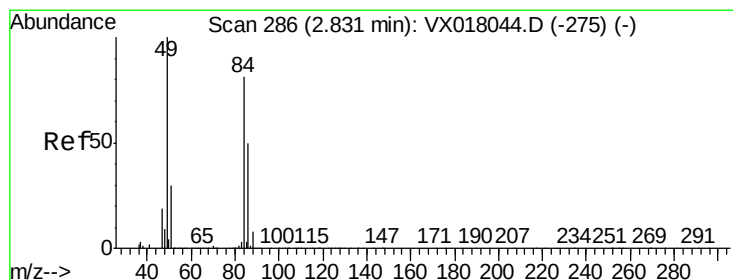
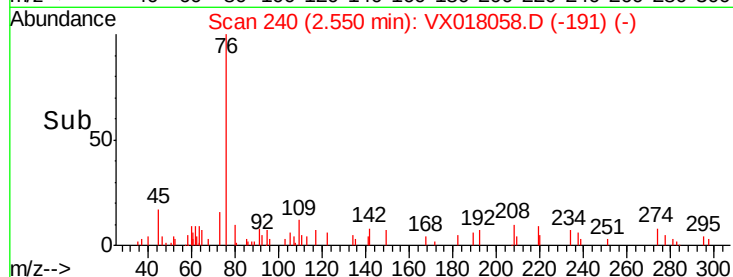
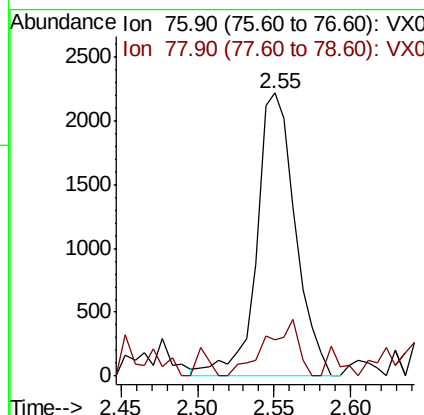
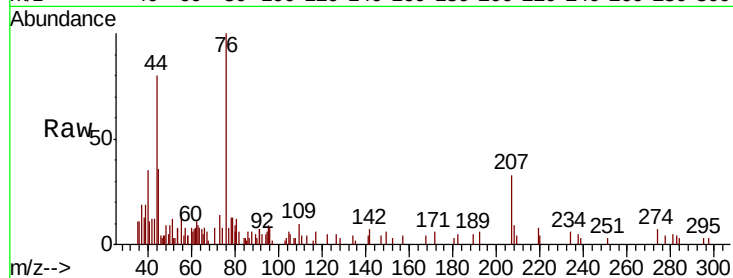




#17
Carbon Disulfide
Concen: 0.229 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX018058.D
Acq: 21 Aug 2020 14:59

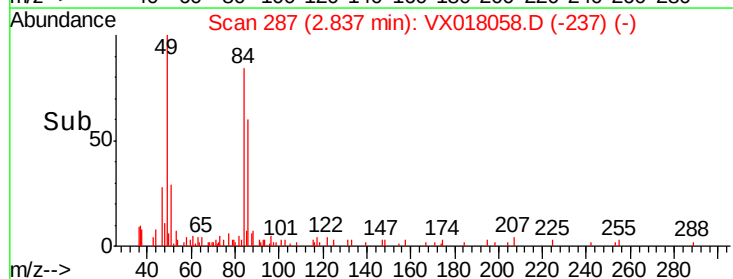
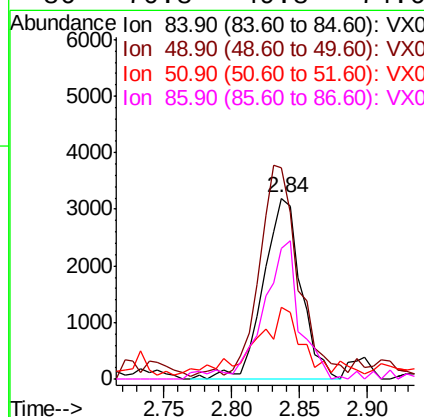
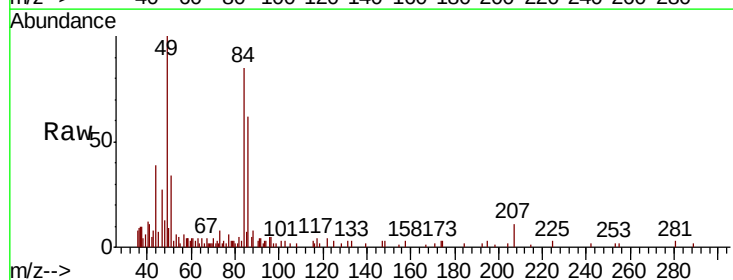
Instrument :
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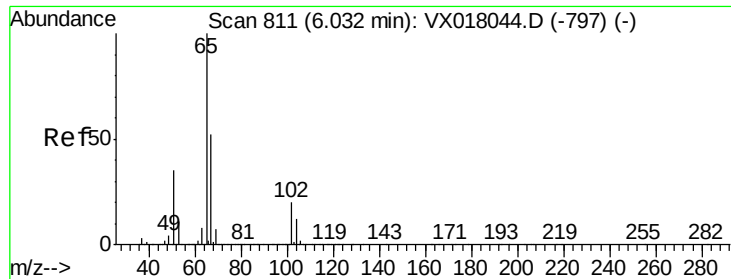
Tot Ion: 76 Resp: 3894
Ion Ratio Lower Upper
76 100
78 12.8 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018058.D
Acq: 21 Aug 2020 14:59

Tgt Ion: 84 Resp: 6172
Ion Ratio Lower Upper
84 100
49 115.4 98.6 148.0
51 34.6 29.6 44.4
86 70.8 49.8 74.6

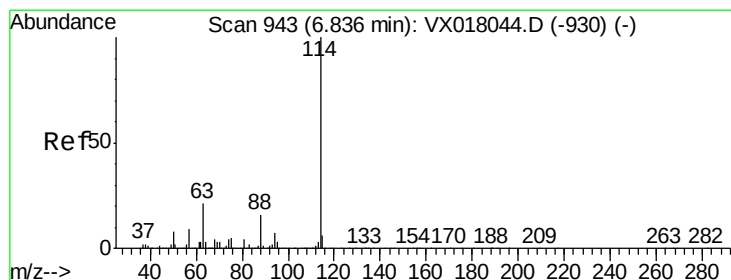
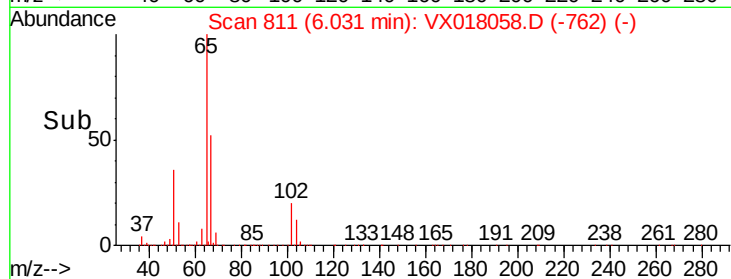
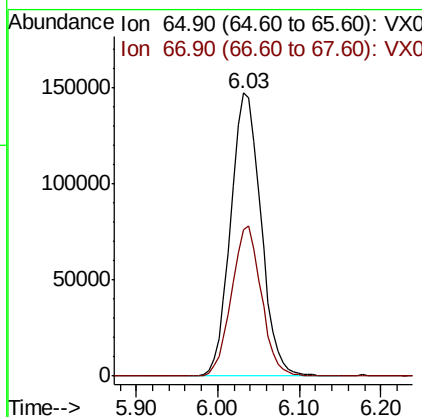
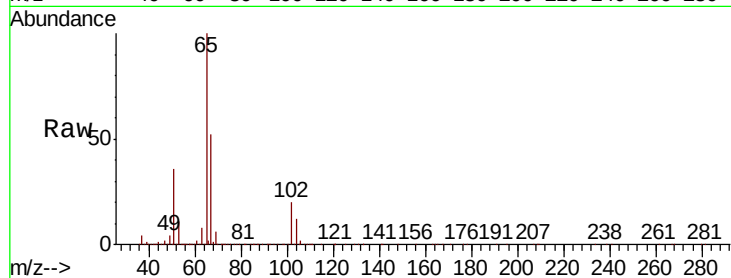




#33
 1,2-Dichloroethane-d4
 Concen: 47.274 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018058.D
 Acq: 21 Aug 2020 14:59

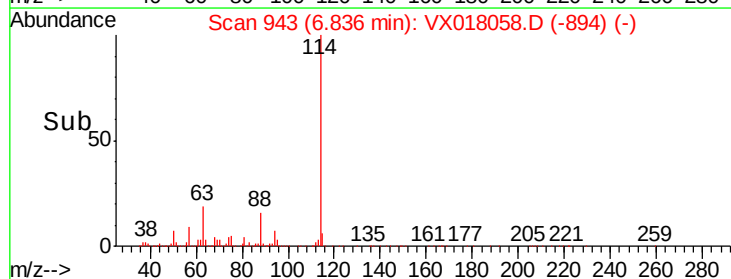
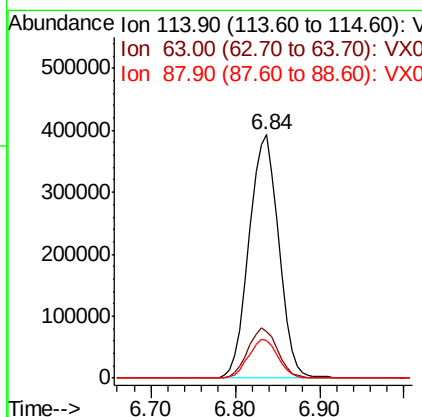
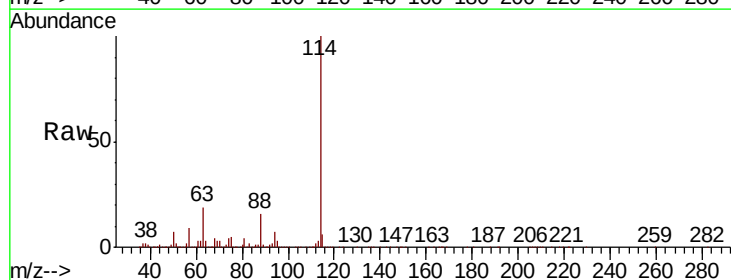
Instrument :
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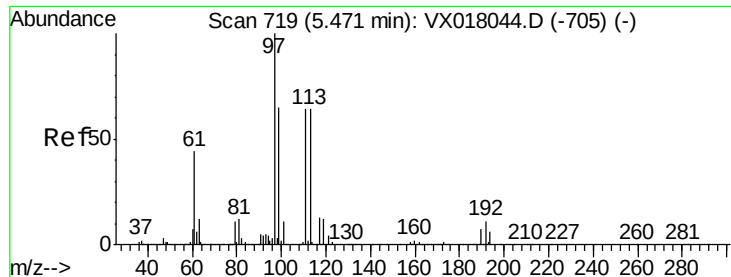
Tot Ion: 65 Resp: 377658
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018058.D
 Acq: 21 Aug 2020 14:59

Tgt Ion: 114 Resp: 939725
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.6
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.374 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

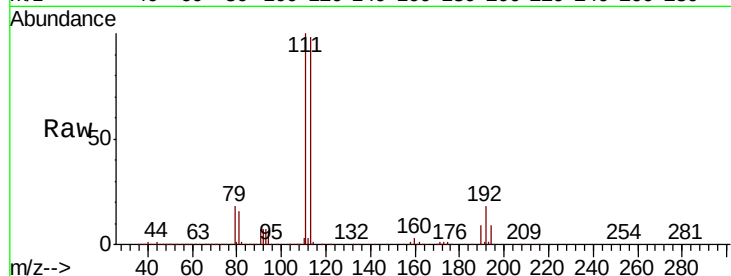
Tot Ion:113 Resp: 309592

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

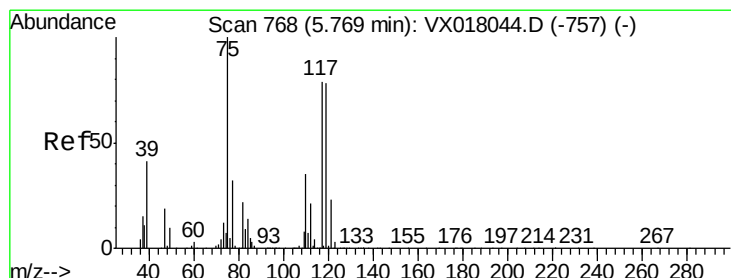
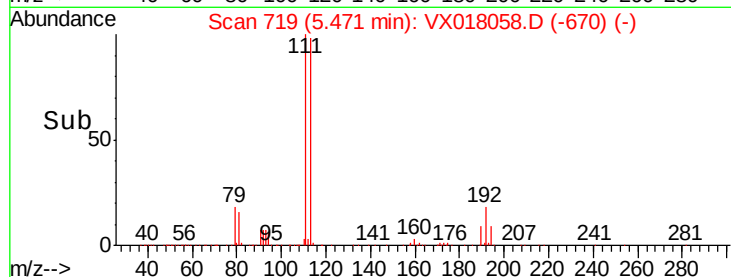
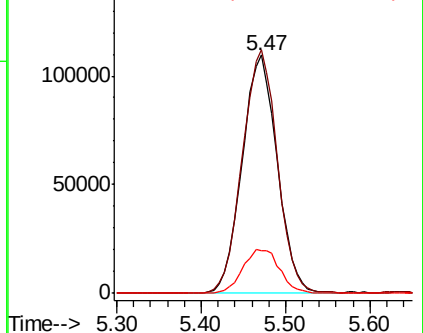
192 19.3 15.8 23.8



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



#36

1,1-Dichloropropene

Concen: 5.139 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

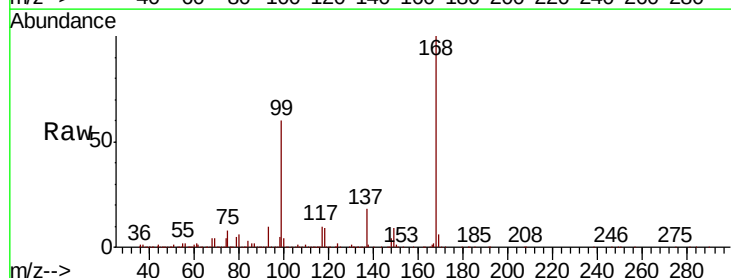
Tgt Ion: 75 Resp: 44542

Ion Ratio Lower Upper

75 100

110 10.6 18.0 54.0#

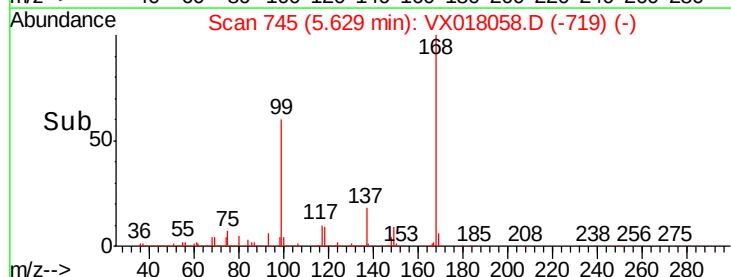
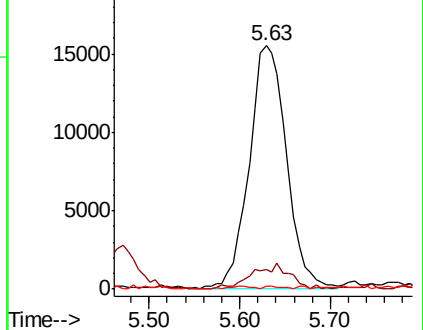
77 0.5 24.4 36.6#

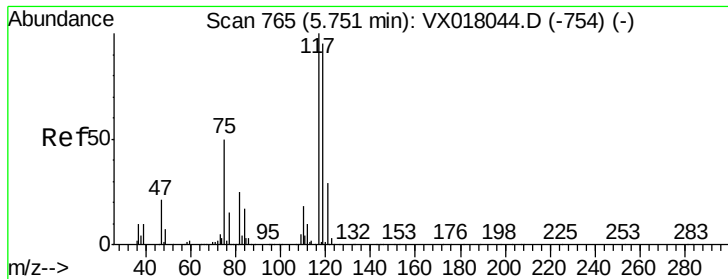


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.036 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-SOILREF-6

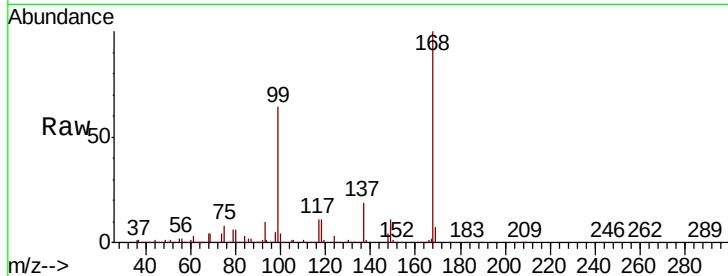
Tot Ion:117 Resp: 58958

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

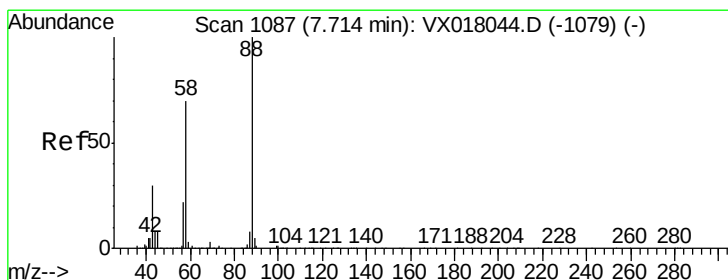
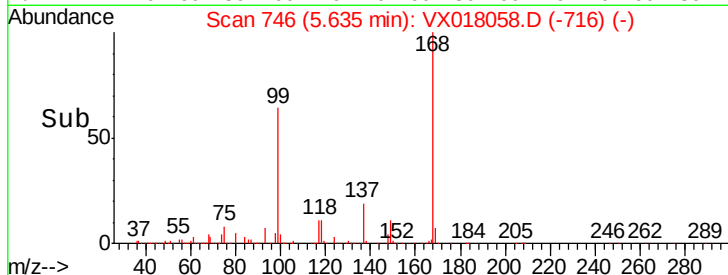
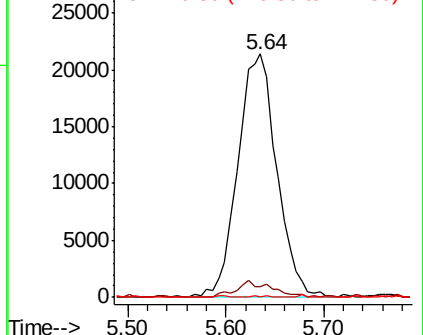
121 0.0 23.4 35.0#



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: 1.637 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

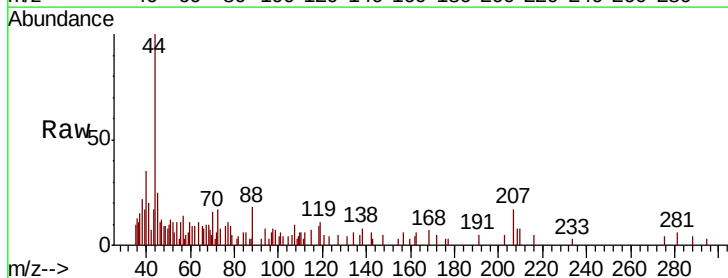
Tgt Ion: 88 Resp: 240

Ion Ratio Lower Upper

88 100

43 204.6 27.4 41.0#

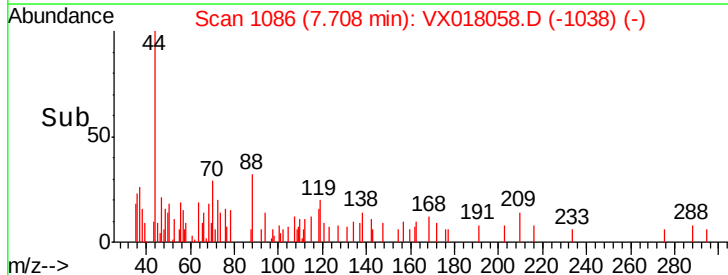
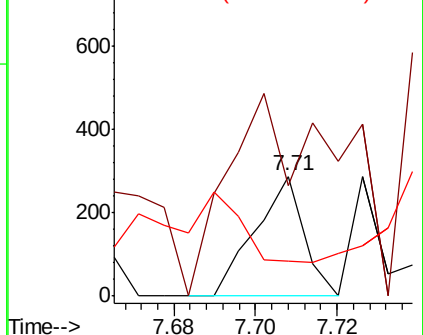
58 0.0 56.4 84.6#

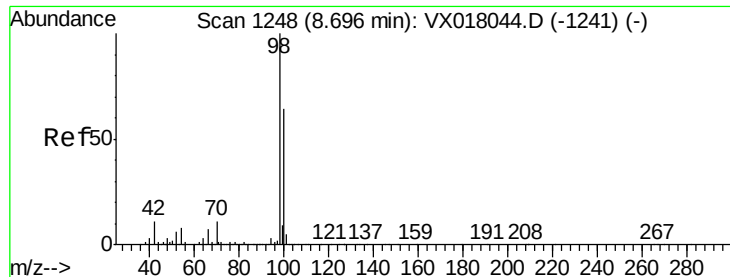


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 45.853 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

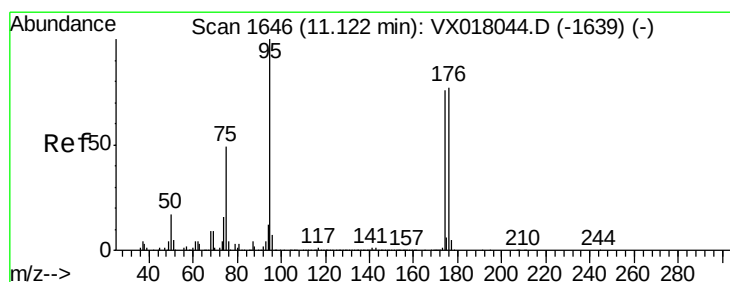
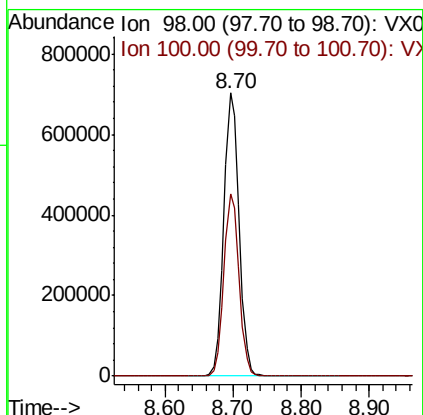
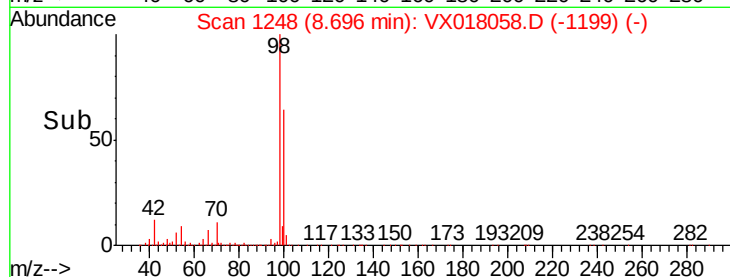
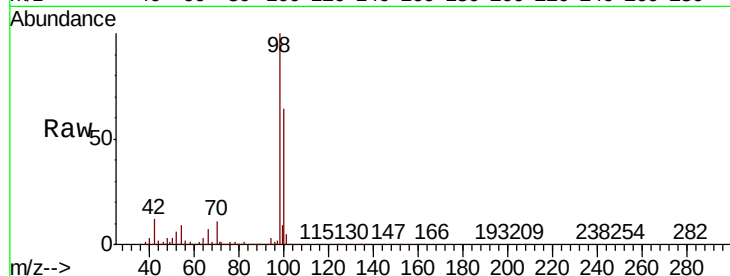
STORAGEBLANK-SOILREF-6

Tot Ion: 98 Resp: 1092992

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.124 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

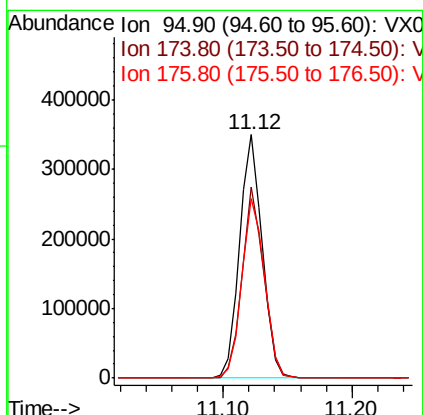
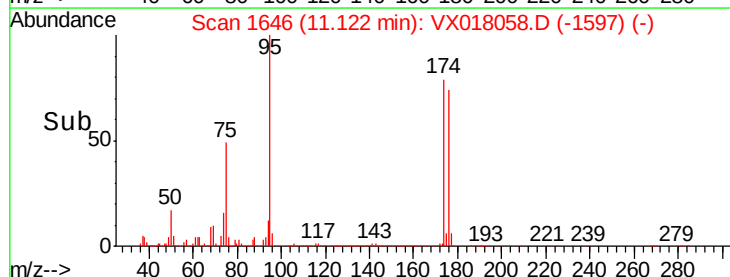
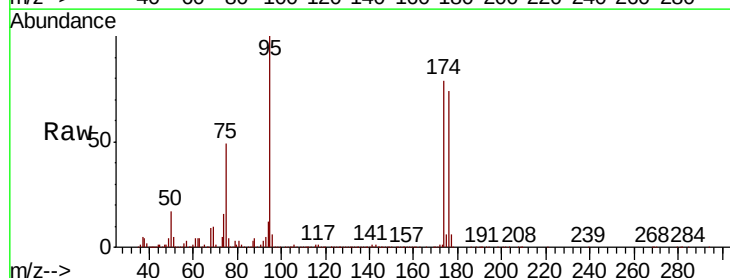
Tgt Ion: 95 Resp: 423198

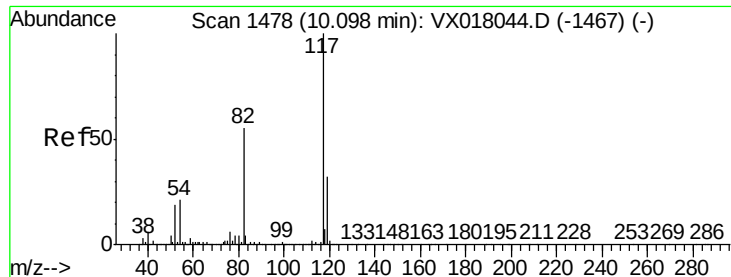
Ion Ratio Lower Upper

95 100

174 75.7 0.0 160.2

176 74.2 0.0 155.8

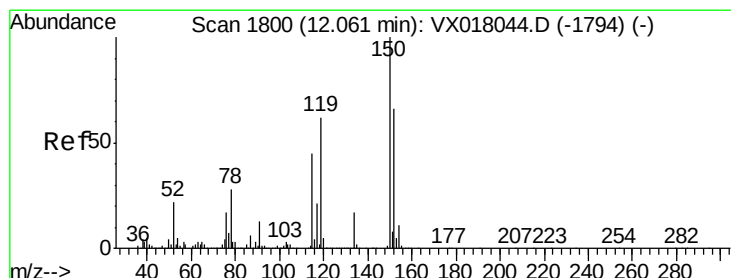
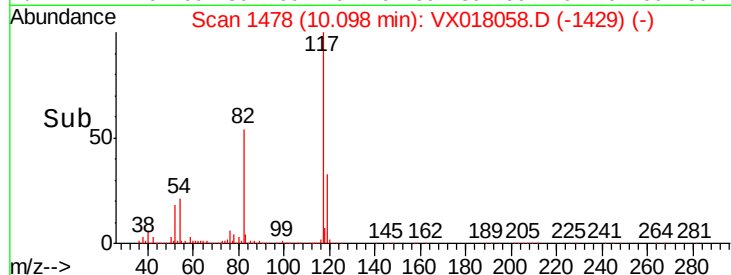
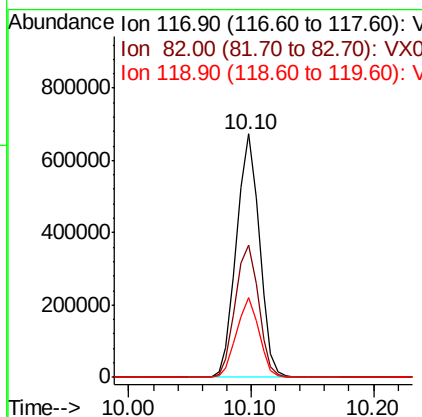
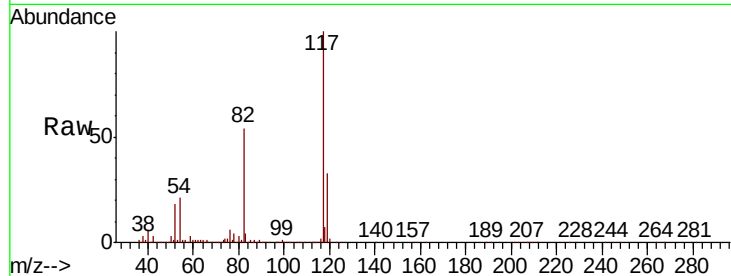




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018058.D
Acq: 21 Aug 2020 14:59

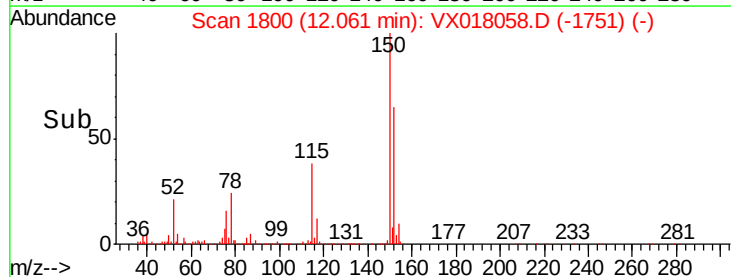
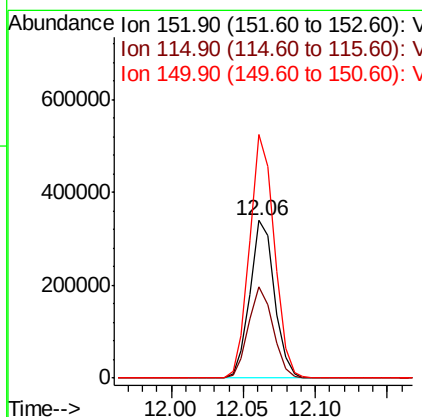
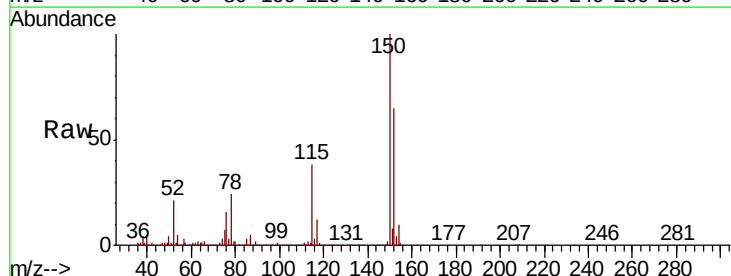
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-SOILREF-6

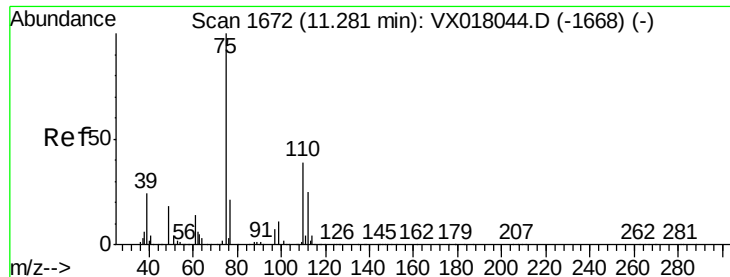
Tot Ion:117 Resp: 876240
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018058.D
Acq: 21 Aug 2020 14:59

Tgt Ion:152 Resp: 398844
Ion Ratio Lower Upper
152 100
115 58.4 41.5 124.5
150 155.8 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 23.879 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

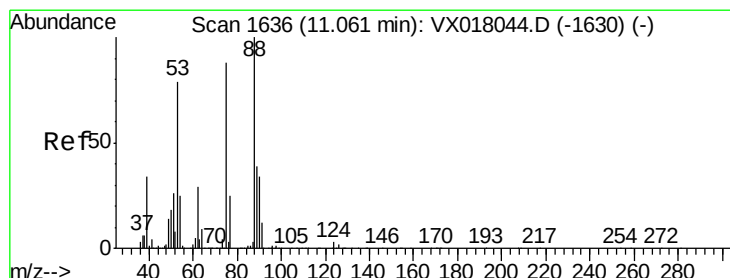
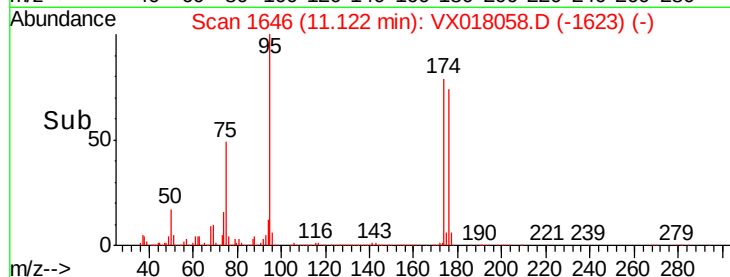
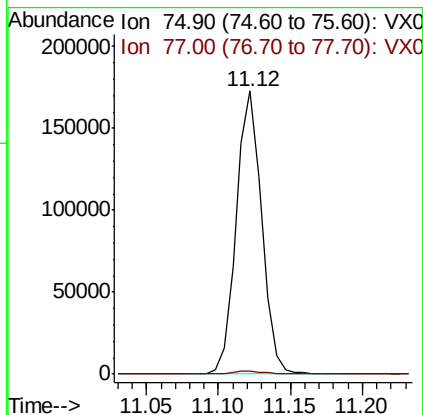
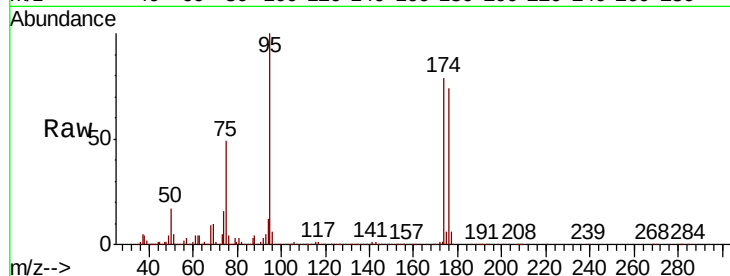
STORAGEBLANK-SOILREF-6

Tot Ion: 75 Resp: 211861

Ion Ratio Lower Upper

75 100

77 1.7 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.492 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018058.D

Acq: 21 Aug 2020 14:59

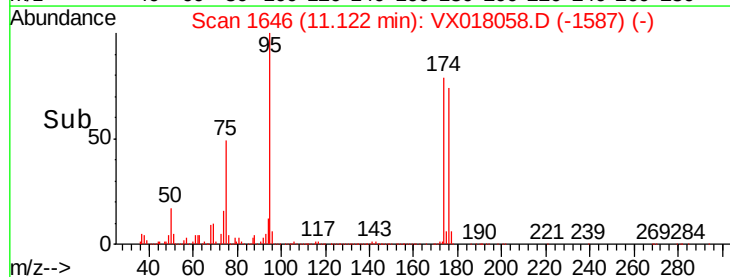
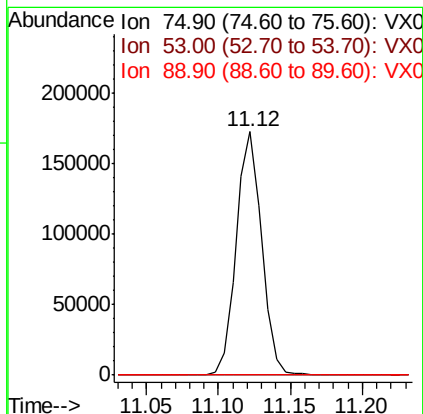
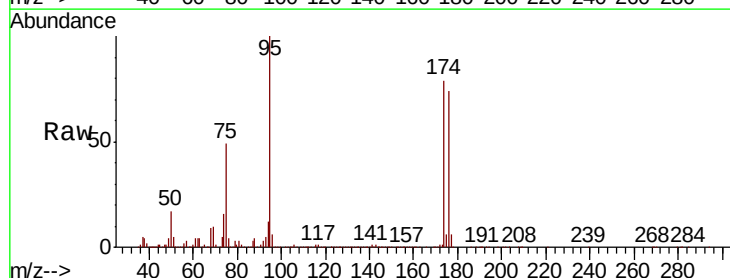
Tgt Ion: 75 Resp: 211861

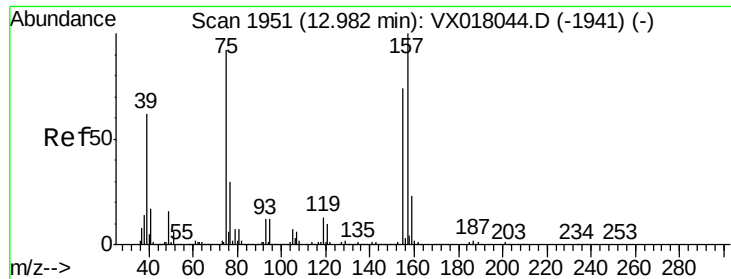
Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.1 36.6 54.8#

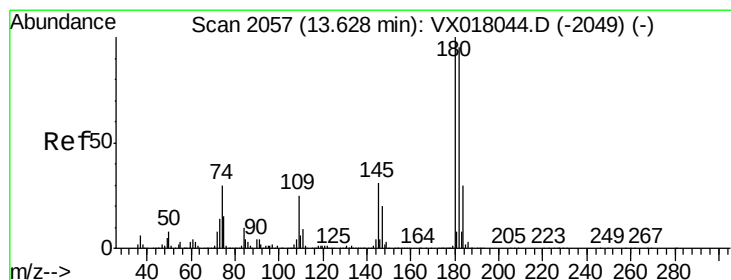
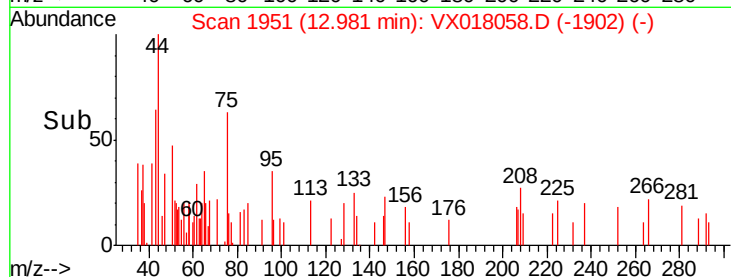
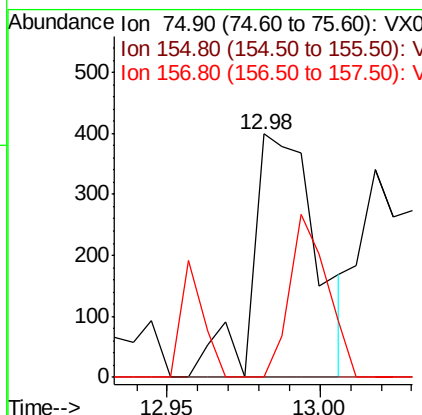
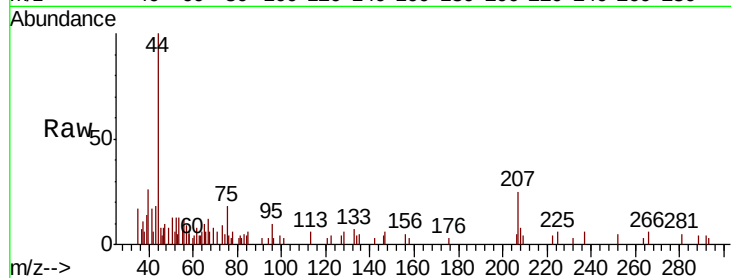




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.253 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX018058.D
 Acq: 21 Aug 2020 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-SOILREF-6

Tot Ion: 75 Resp: 587
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.2 120.6#
 157 39.2 55.0 165.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018058.D
 Acq: 21 Aug 2020 14:59

Tgt Ion: 180 Resp: 1666
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.5 142.6
 145 35.6 15.7 47.1

