

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022620\
 Data File : VX015026.D
 Acq On : 26 Feb 2020 17:15
 Operator : JC/SP
 Sample : L1683-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20200225

Quant Time: Feb 27 02:57:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	420686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	664913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	638698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333798	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	240993	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	5.49	113	202568	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	8.71	98	793611	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.13	95	293728	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	

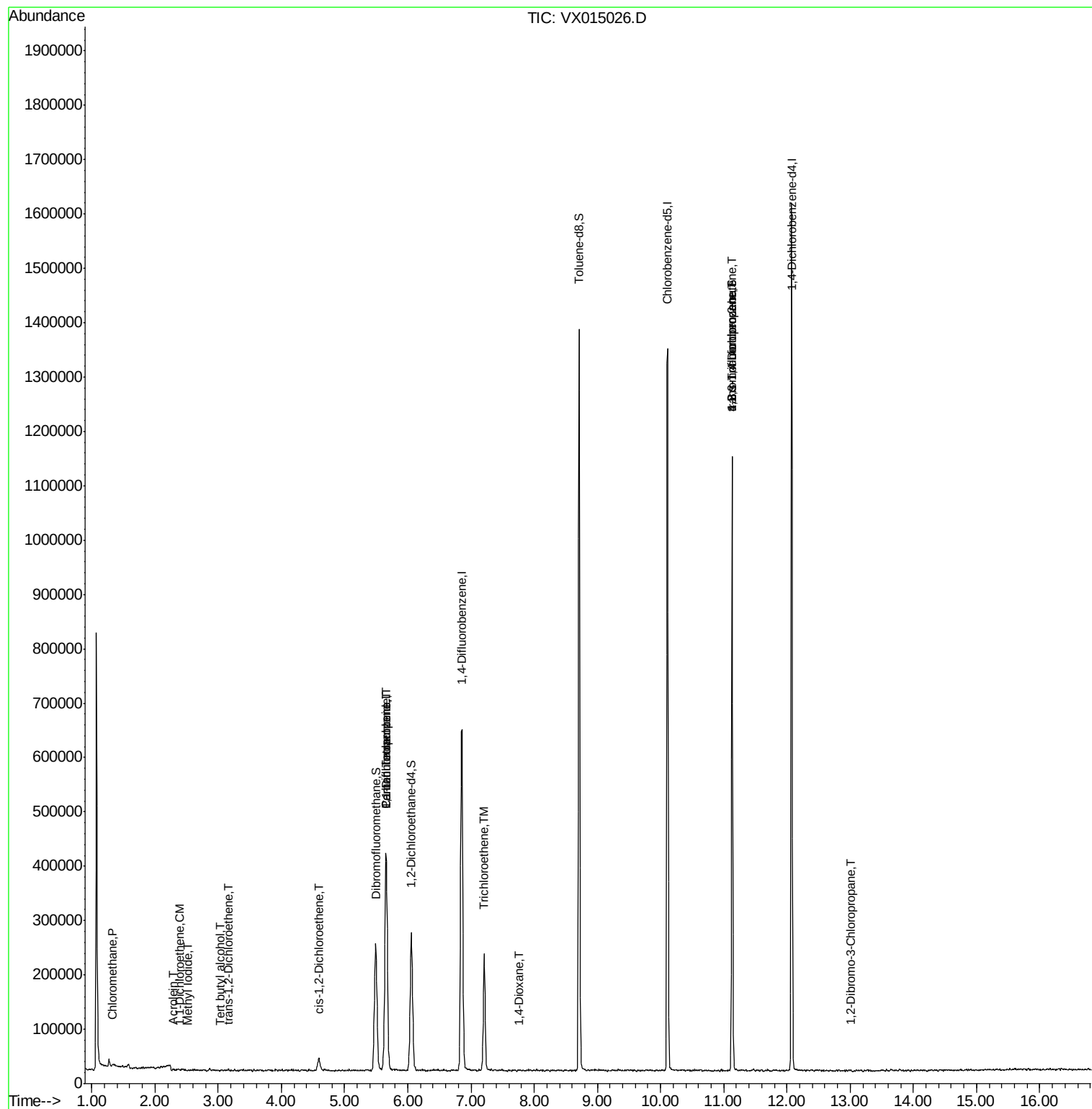
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1531	0.339	ug/l #	77
10) Methyl Iodide	2.52	142	564	4.486	ug/l #	58
11) Tert butyl alcohol	3.03	59	481	0.574	ug/l #	72
12) 1,1-Dichloroethene	2.38	96	895	0.232	ug/l #	56
13) Acrolein	2.28	56	206	0.322	ug/l #	15
16) Acetone	2.44	43	3889	Below Cal		91
21) trans-1,2-Dichloroethene	3.17	96	1005	0.236	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	16151	3.396	ug/l	85
36) 1,1-Dichloropropene	5.65	75	28073	4.720	ug/l #	51
38) Carbon Tetrachloride	5.65	117	36177	6.241	ug/l #	16
44) Trichloroethene	7.21	130	86275	16.723	ug/l	95
49) 1,4-Dioxane	7.77	88	430	4.567	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	145672	24.133	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	145672	61.774	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.01	75	370	0.230	ug/l #	31

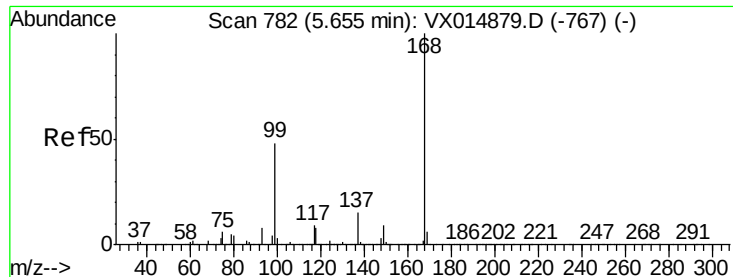
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

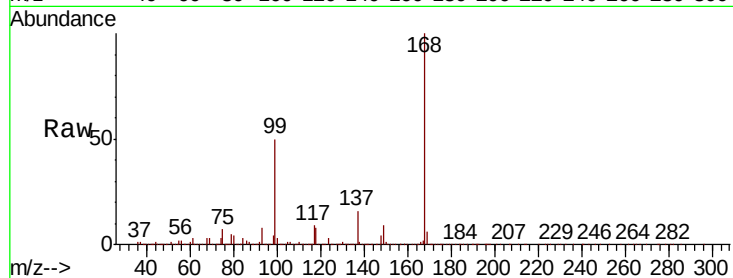
ROOF-DRAIN-20200225

Tot Ion:168 Resp: 420686

Ion Ratio Lower Upper

168 100

99 49.6 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

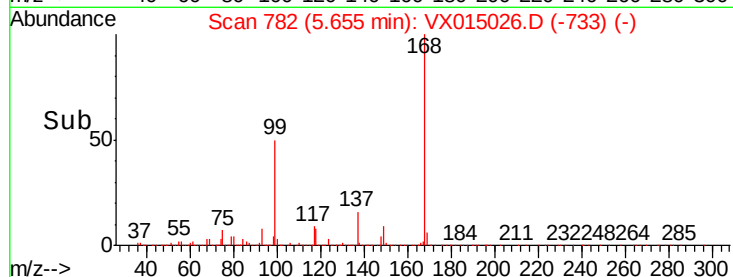
150000

100000

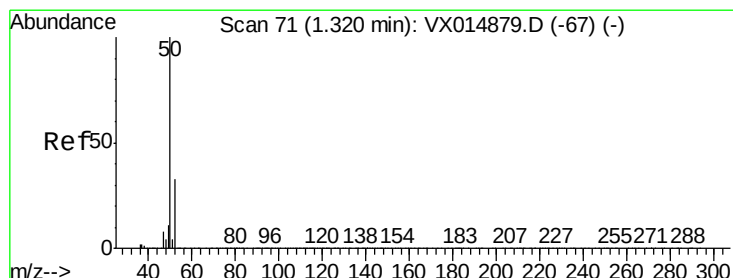
50000

0

5.50 5.60 5.70 5.80



Time-->



#3

Chloromethane

Concen: 0.339 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015026.D

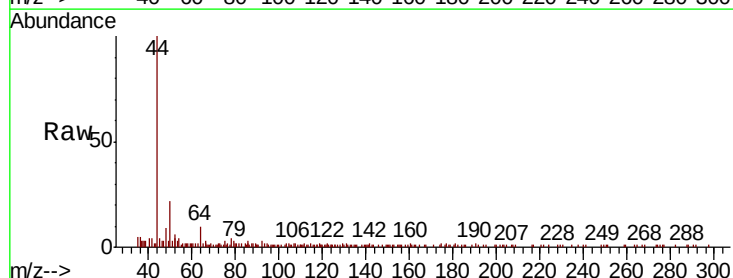
Acq: 26 Feb 2020 17:15

Tgt Ion: 50 Resp: 1531

Ion Ratio Lower Upper

50 100

52 45.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

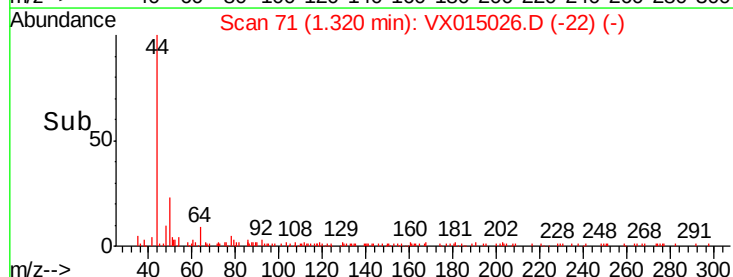
1500

1000

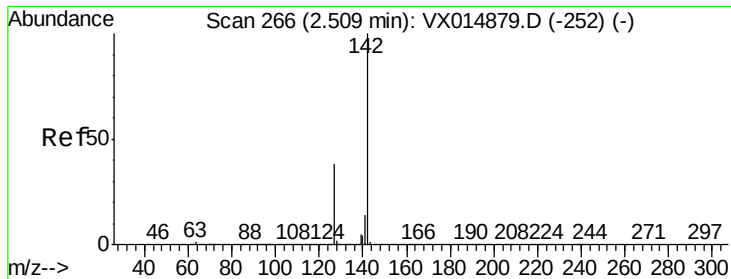
500

0

1.30 1.32 1.34



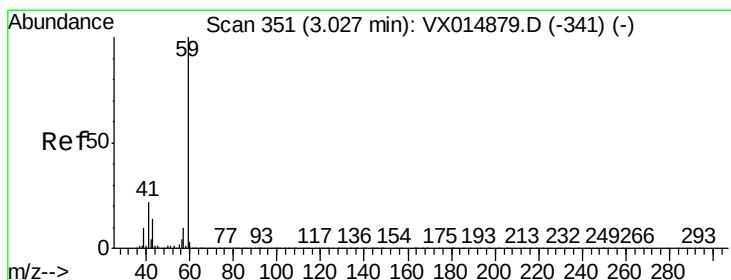
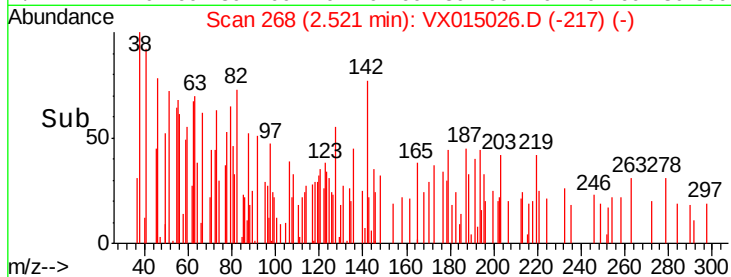
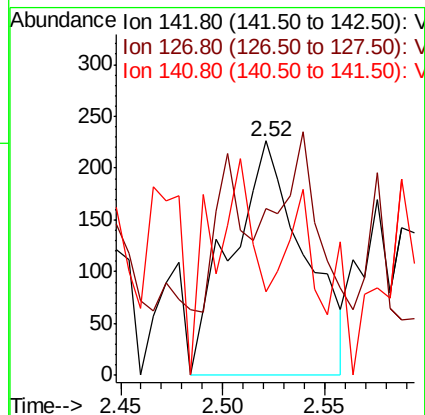
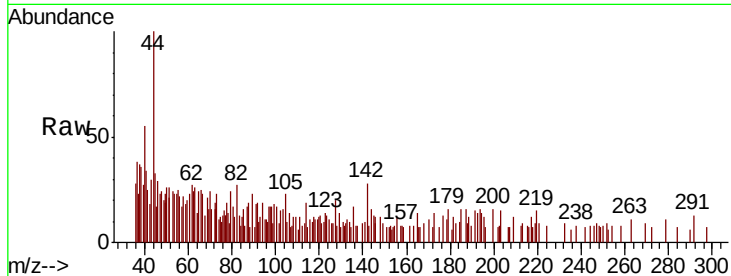
Time-->



#10
Methyl Iodide
Concen: 4.486 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

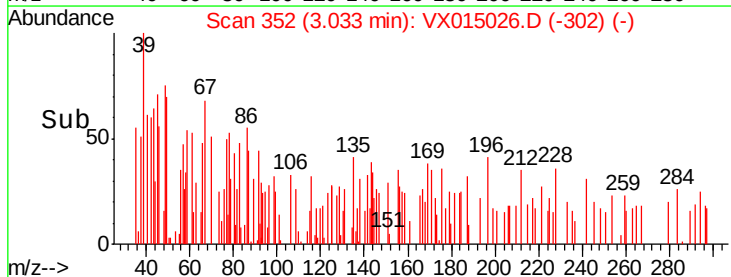
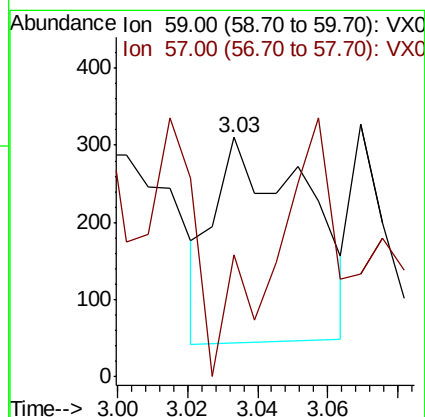
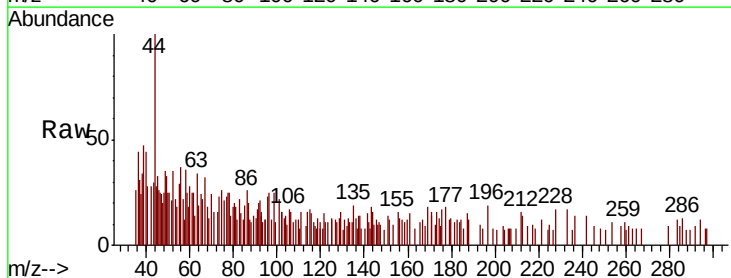
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200225

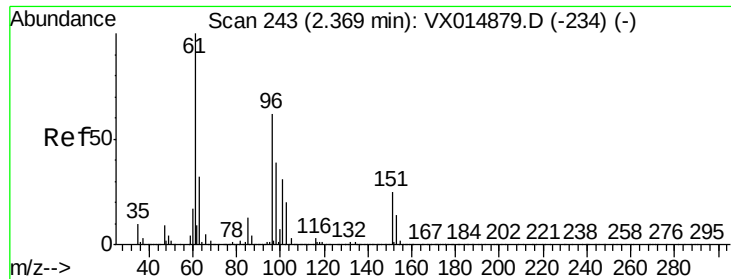
Tot Ion:142 Resp: 564
Ion Ratio Lower Upper
142 100
127 25.9 31.1 46.7#
141 54.1 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.574 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

Tgt Ion: 59 Resp: 481
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.232 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200225

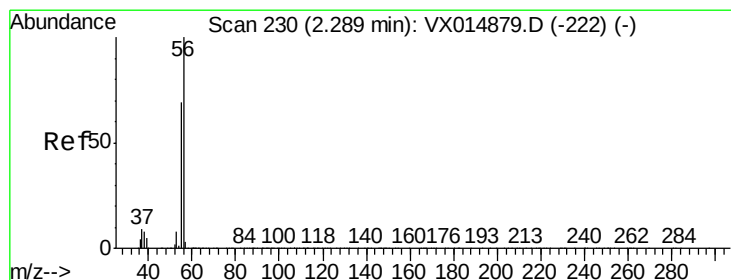
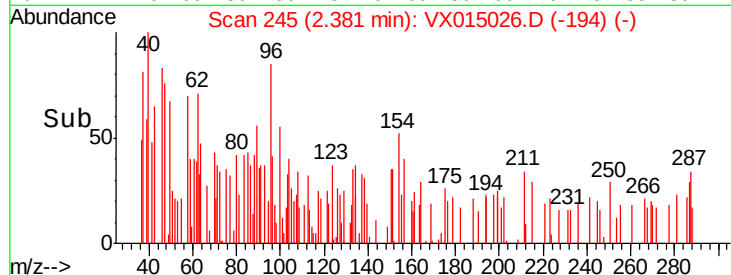
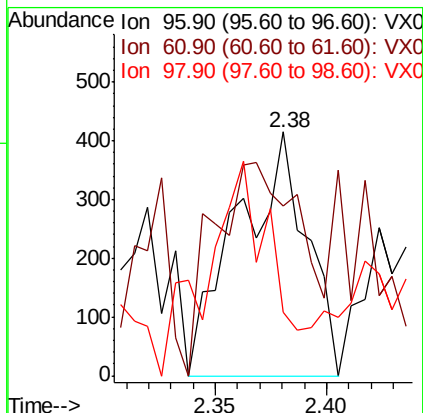
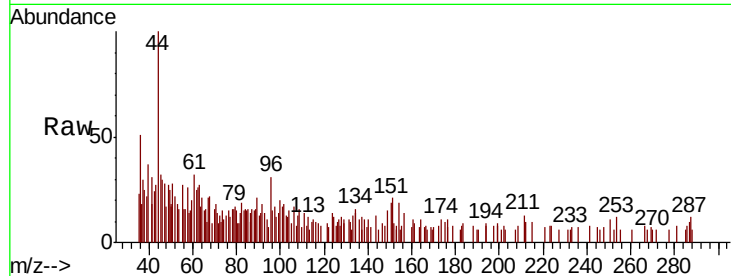
Tot Ion: 96 Resp: 895

Ion Ratio Lower Upper

96 100

61 123.4 129.5 194.3#

98 0.0 50.6 76.0#



#13

Acrolein

Concen: 0.322 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015026.D

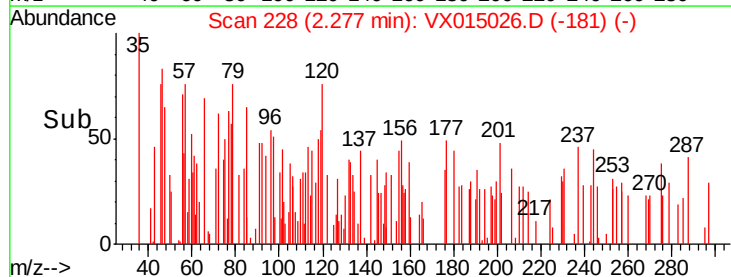
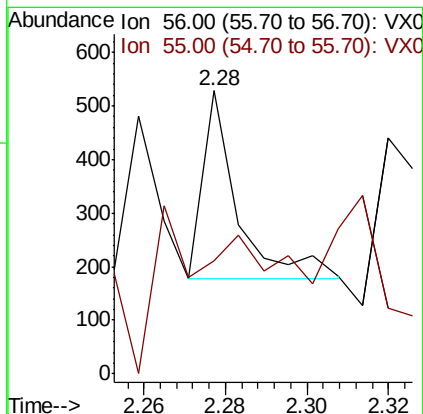
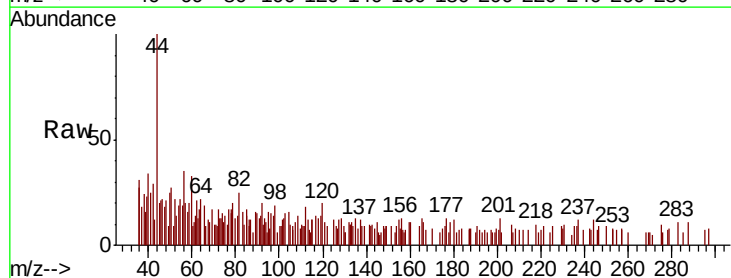
Acq: 26 Feb 2020 17:15

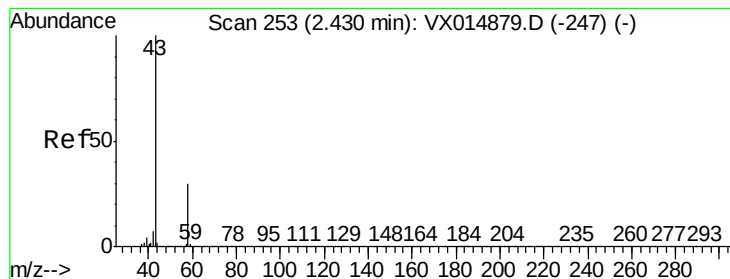
Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.4#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

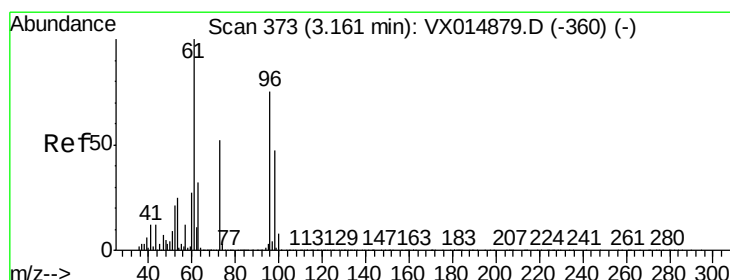
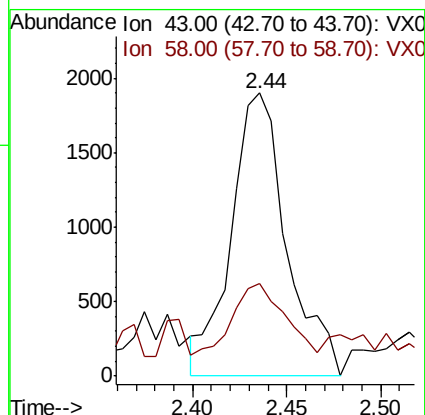
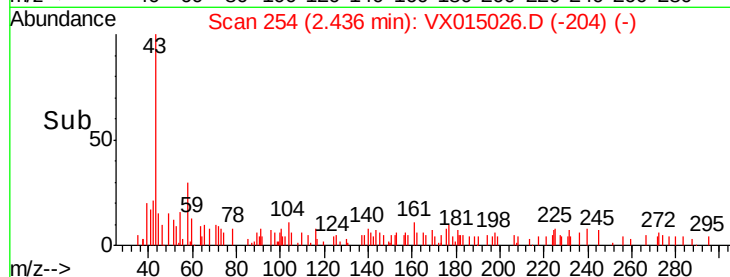
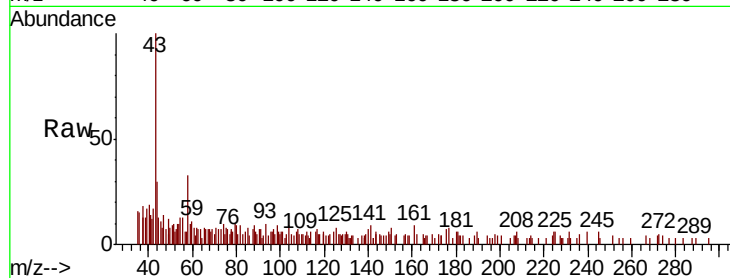
ROOF-DRAIN-20200225

Tot Ion: 43 Resp: 3889

Ion Ratio Lower Upper

43 100

58 25.3 24.1 36.1



#21

trans-1,2-Dichloroethene

Concen: 0.236 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

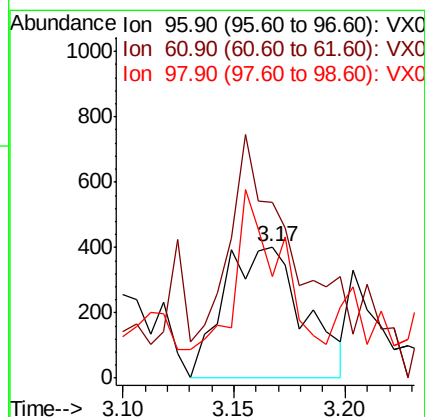
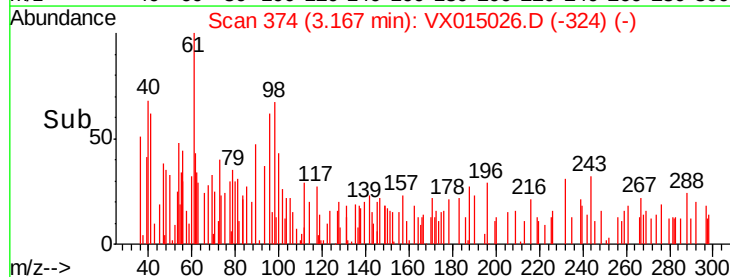
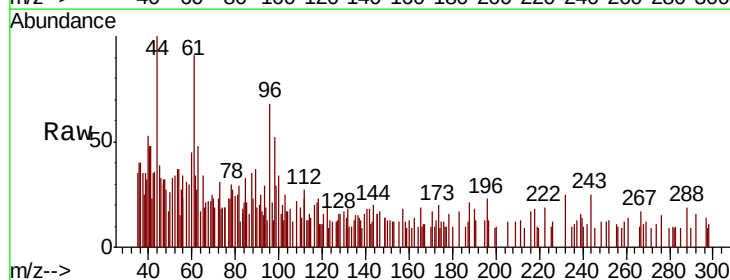
Tgt Ion: 96 Resp: 1005

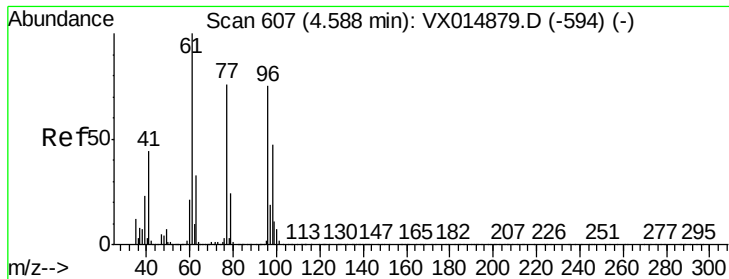
Ion Ratio Lower Upper

96 100

61 106.0 106.9 160.3#

98 55.6 50.7 76.1



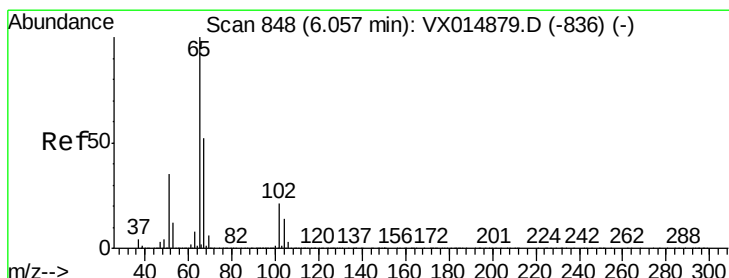
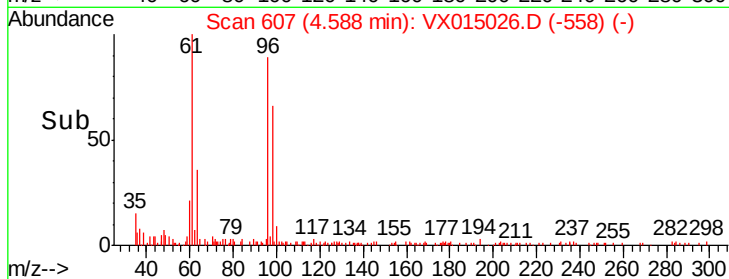
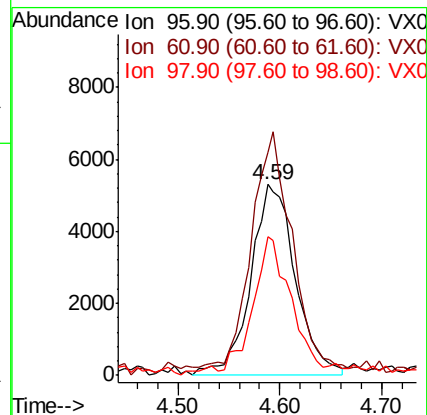
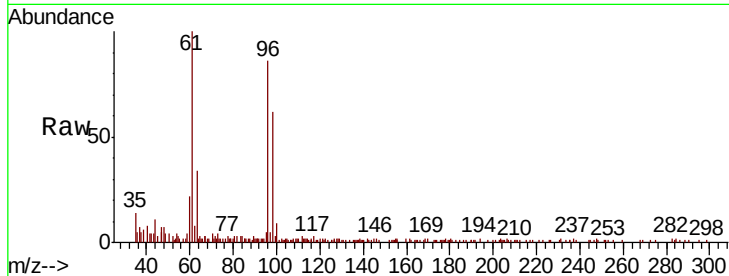


#27

cis-1,2-Dichloroethene
Concen: 3.396 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200225

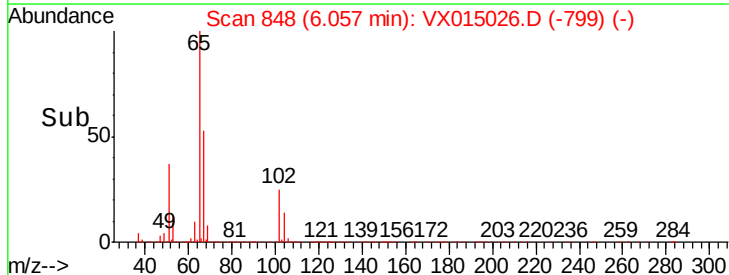
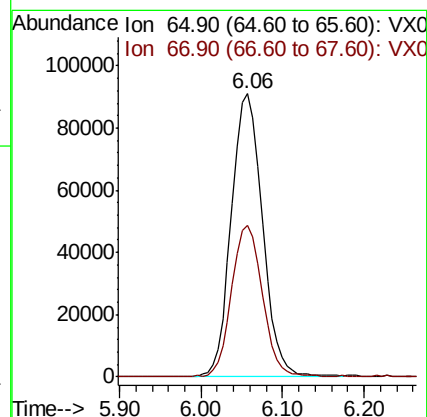
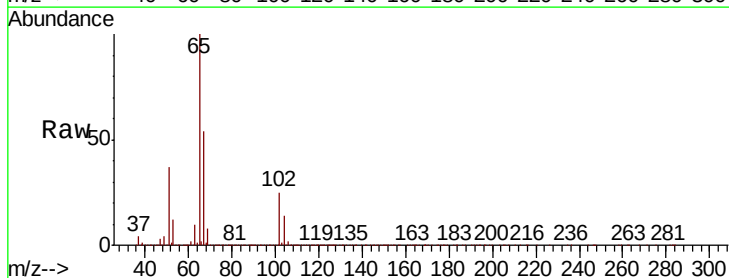
Tot Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	286.2
98	66.5	0.0	131.0

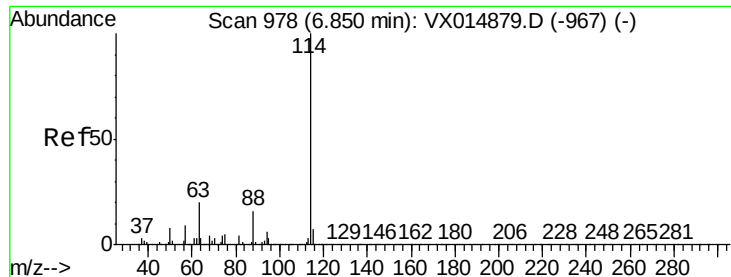


#33

1,2-Dichloroethane-d4
Concen: 50.759 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200225

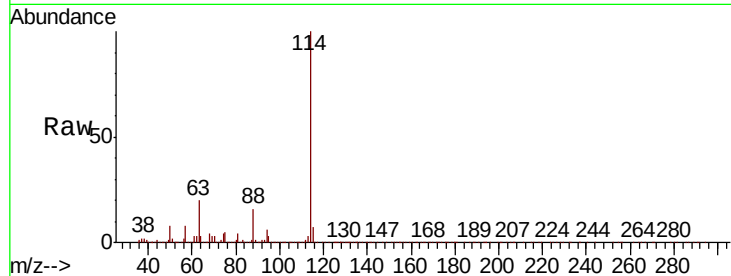
Tot Ion:114 Resp: 664913

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

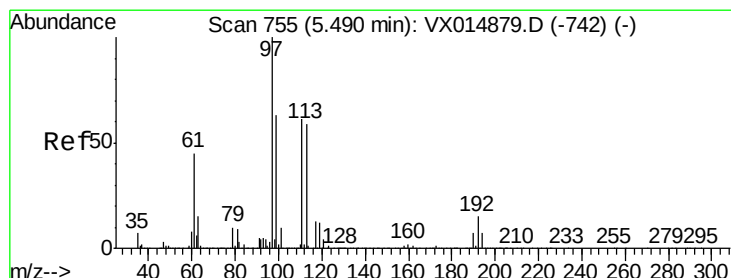
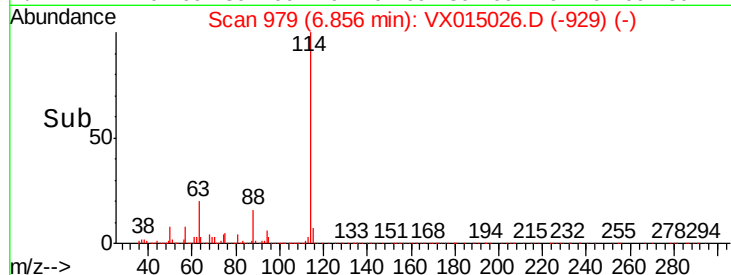
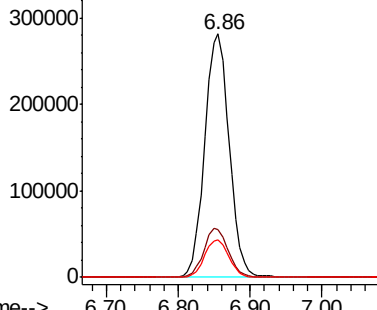
88 15.5 0.0 32.0



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: 49.555 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

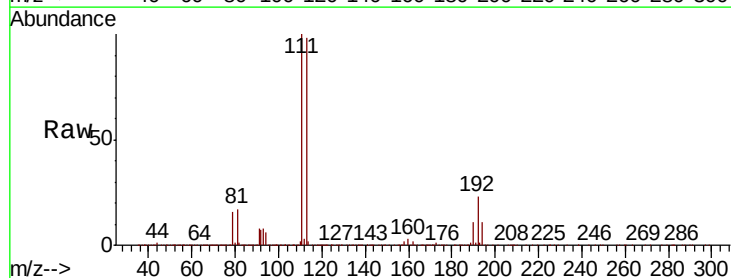
Tgt Ion:113 Resp: 202568

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

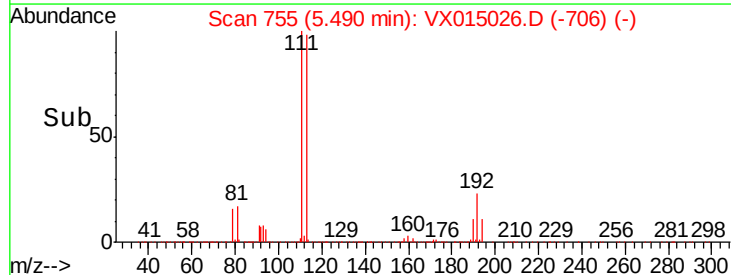
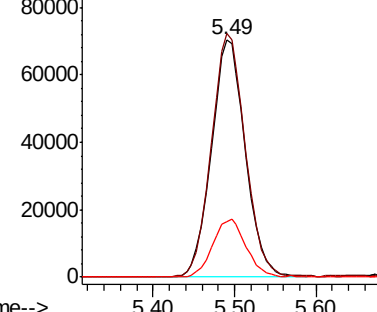
192 24.1 19.1 28.7

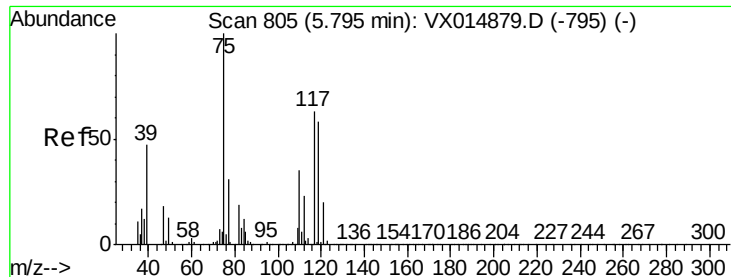


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

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ROOF-DRAIN-20200225

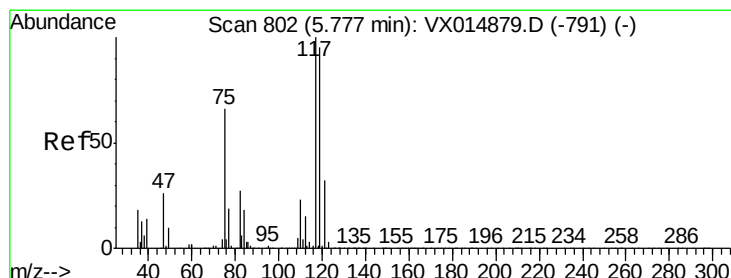
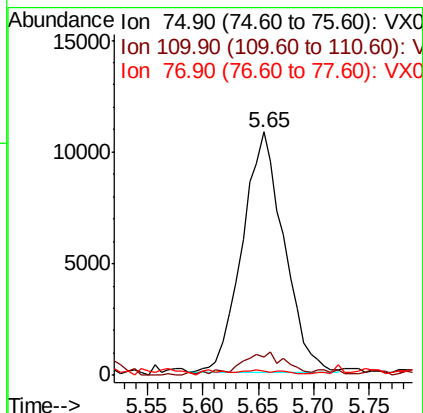
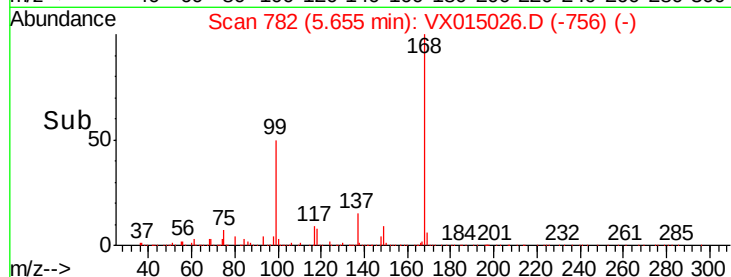
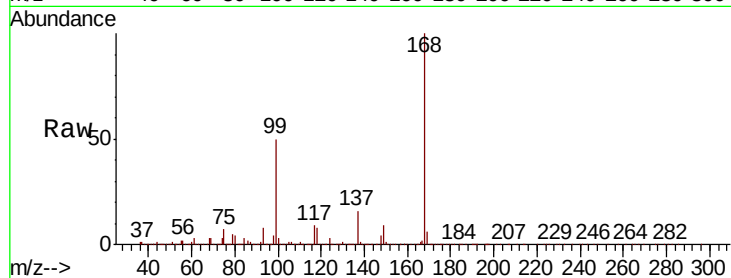
Tot Ion: 75 Resp: 28073

Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.8#

77 0.6 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.241 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

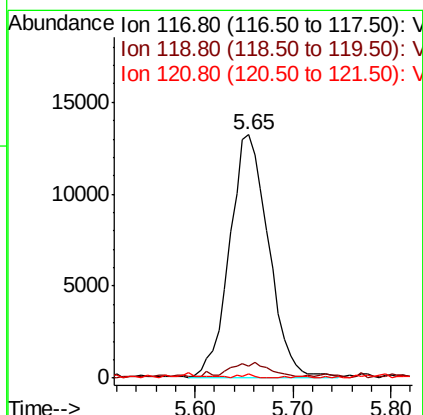
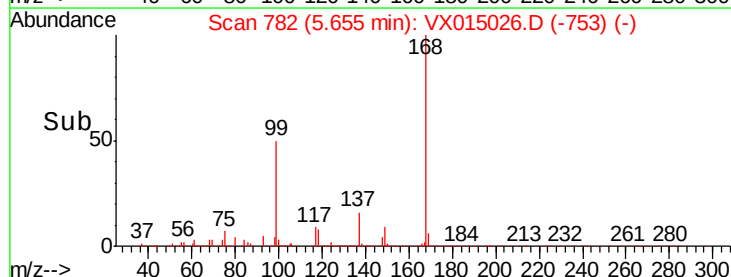
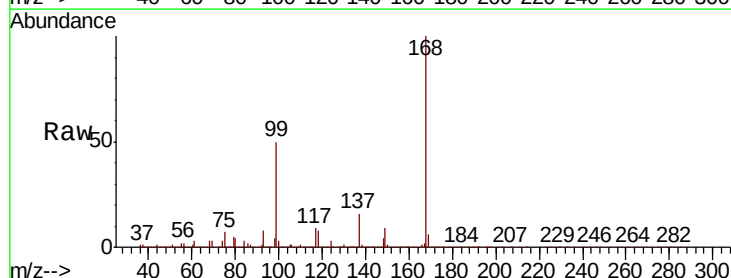
Tgt Ion:117 Resp: 36177

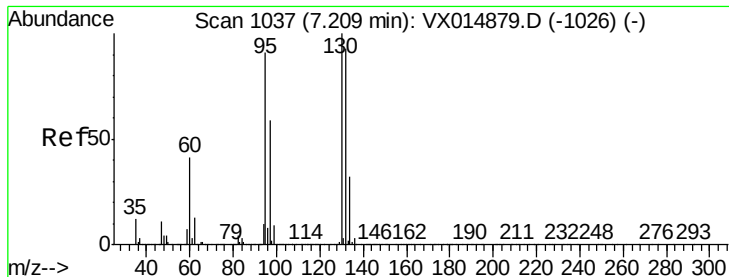
Ion Ratio Lower Upper

117 100

119 4.3 76.0 114.0#

121 1.7 25.4 38.2#





#44

Trichloroethene

Concen: 16.723 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

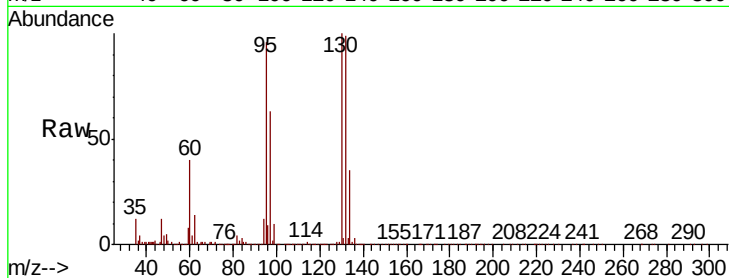
ROOF-DRAIN-20200225

Tot Ion:130 Resp: 86275

Ion Ratio Lower Upper

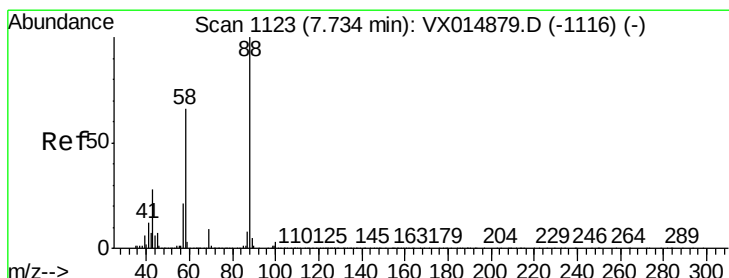
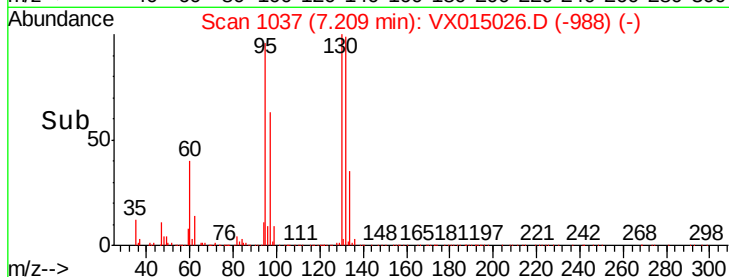
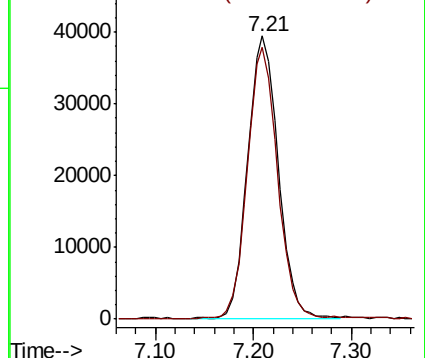
130 100

95 96.1 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 4.567 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

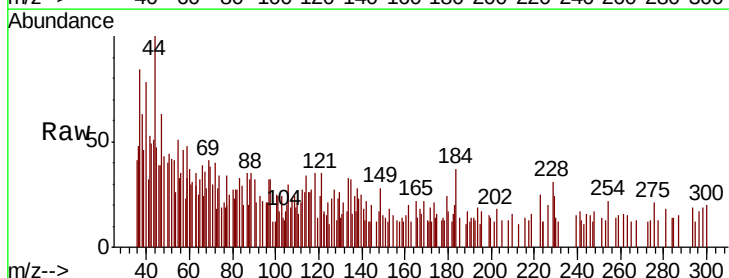
Tgt Ion: 88 Resp: 430

Ion Ratio Lower Upper

88 100

43 37.0 27.0 40.4

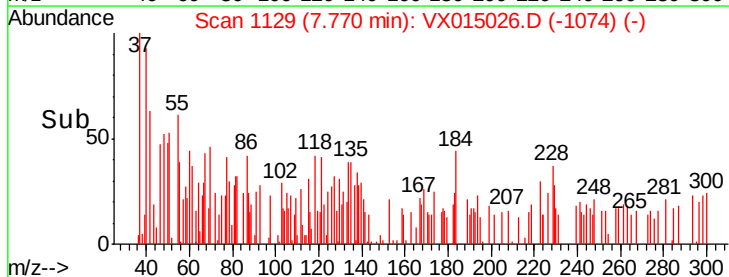
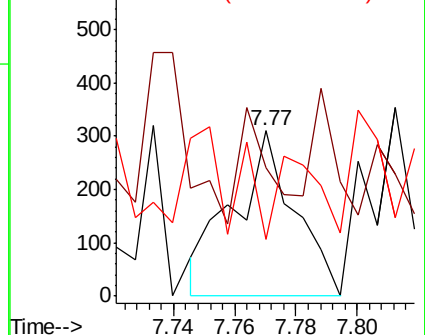
58 70.9 53.2 79.8

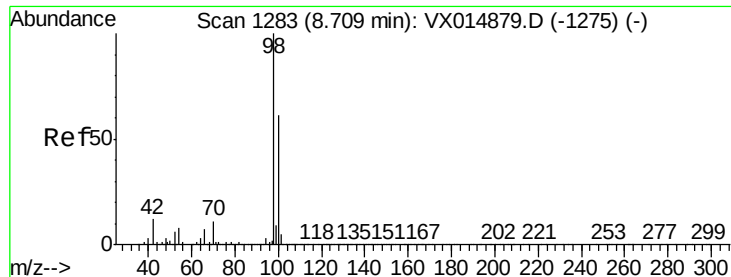


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

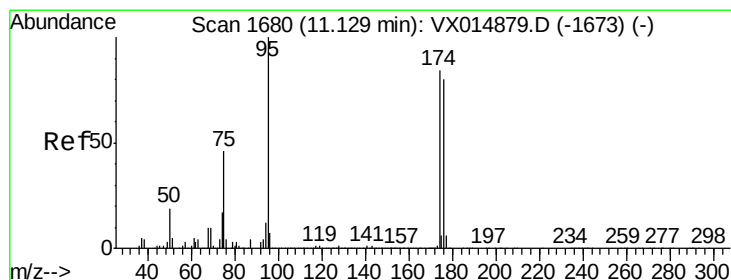
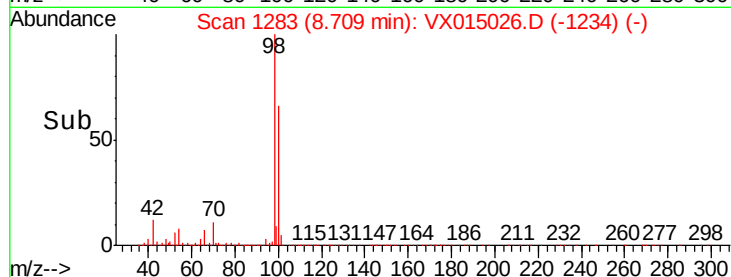
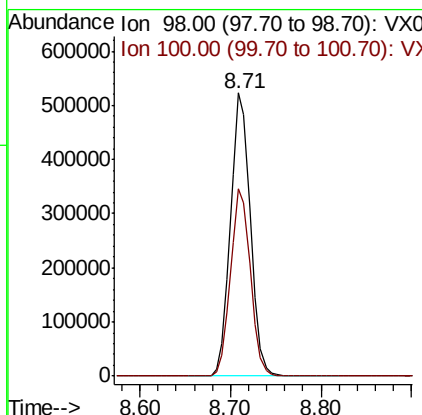
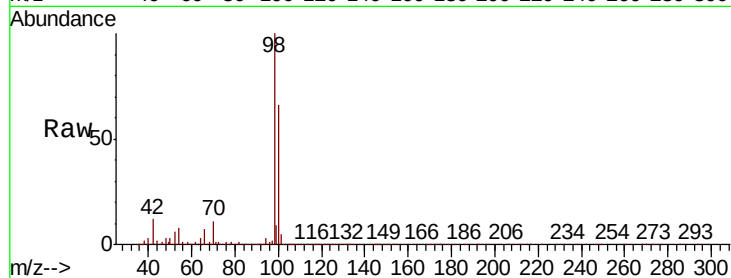




#50
Toluene-d8
Concen: 50.862 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

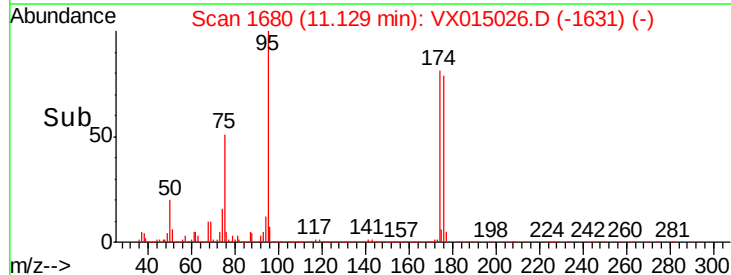
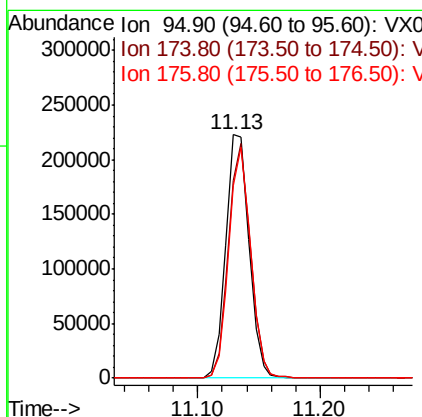
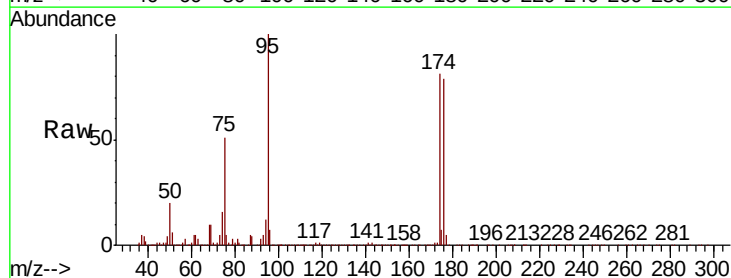
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200225

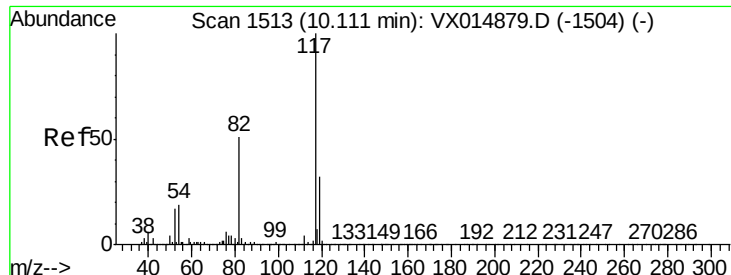
Tot Ion: 98 Resp: 793611
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.258 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

Tgt Ion: 95 Resp: 293728
Ion Ratio Lower Upper
95 100
174 91.0 0.0 183.0
176 88.9 0.0 178.0

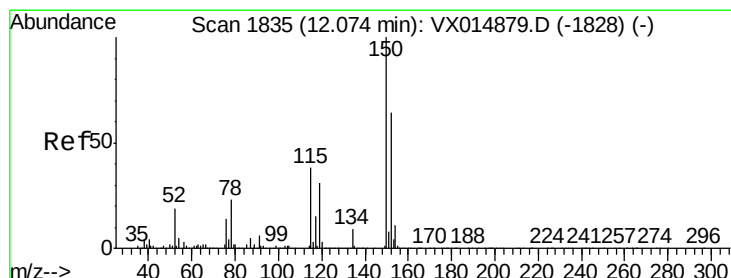
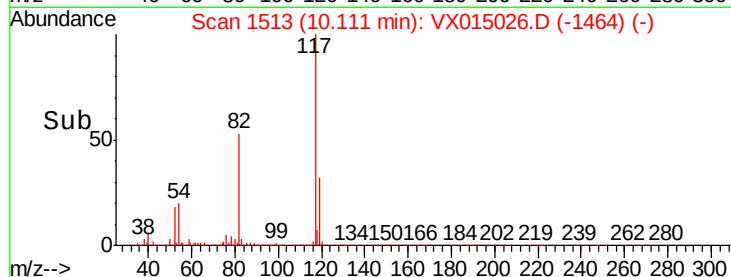
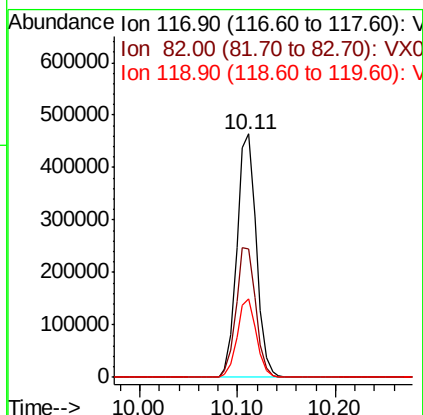
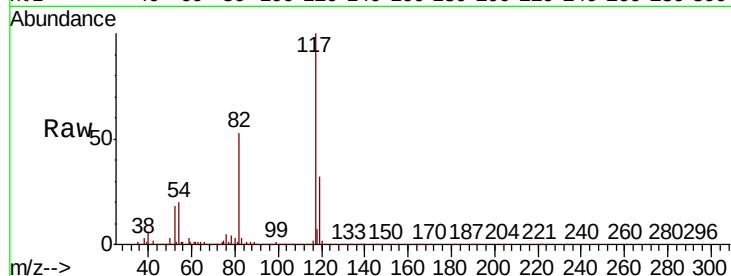




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

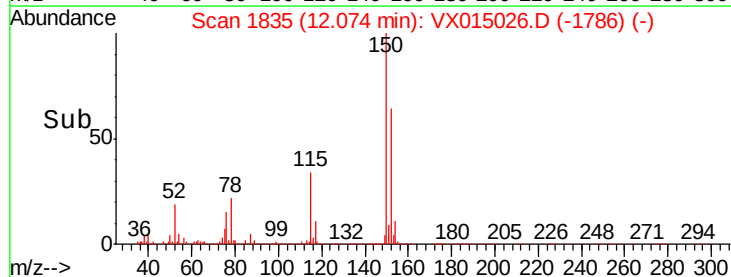
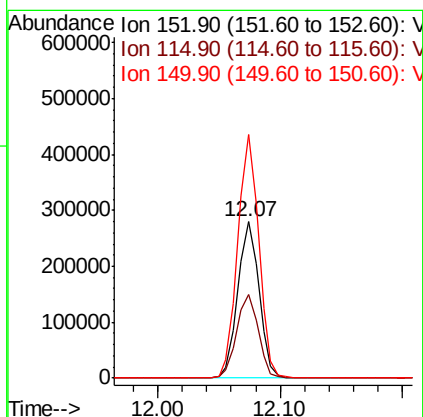
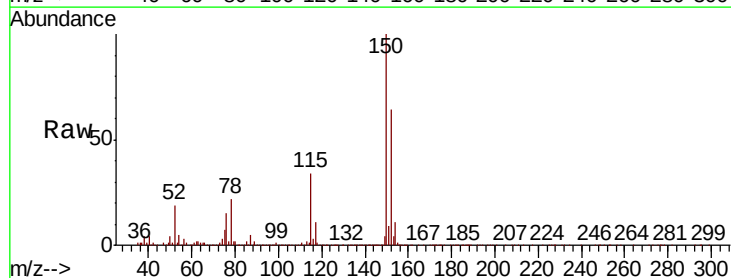
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200225

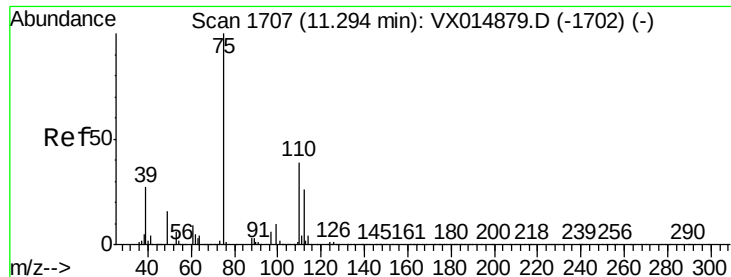
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	40.5	60.7
119	32.2	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015026.D
Acq: 26 Feb 2020 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.6	116.0
150	155.1	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 24.133 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

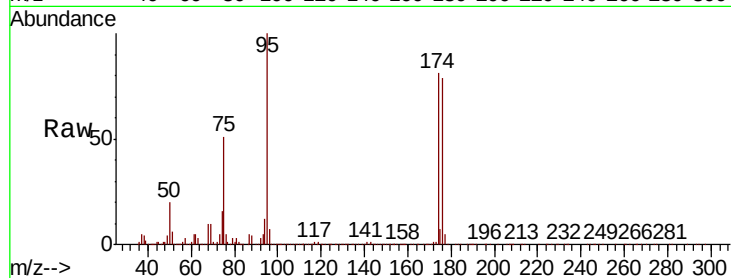
ROOF-DRAIN-20200225

Tot Ion: 75 Resp: 145672

Ion Ratio Lower Upper

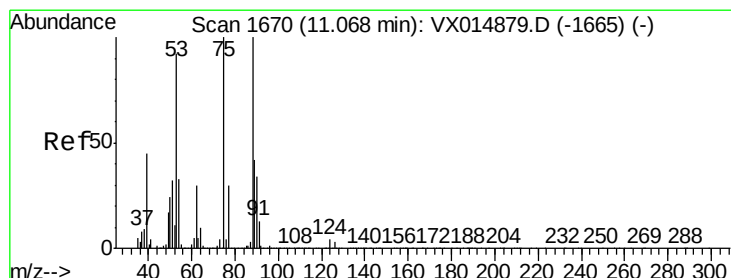
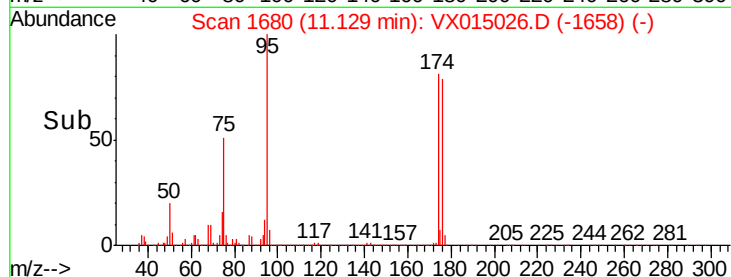
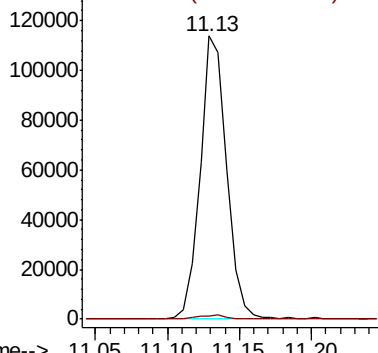
75 100

77 1.8 18.4 55.0#



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: 61.774 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

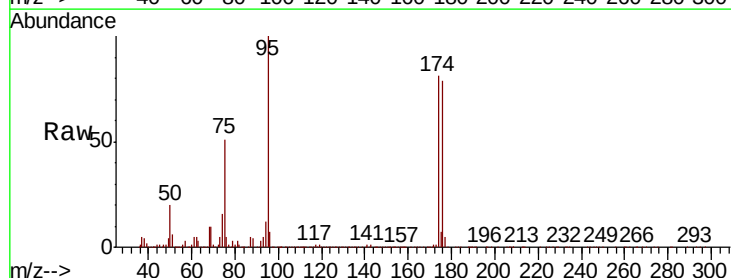
Tgt Ion: 75 Resp: 145672

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

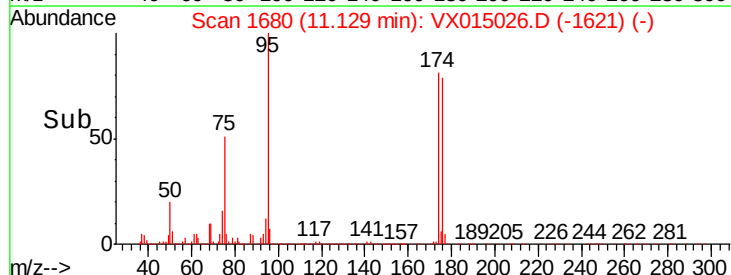
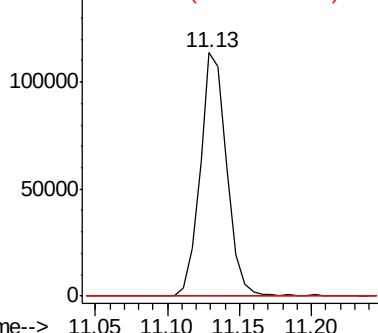
89 0.0 35.8 53.6#

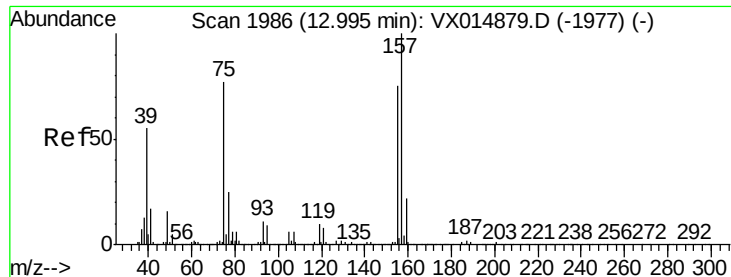


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.230 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX015026.D

Acq: 26 Feb 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200225

Tot Ion: 75 Resp: 370

Ion Ratio Lower Upper

75 100

155 33.5 48.6 145.9#

157 43.0 62.0 186.0#

