

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013629.D
 Acq On : 27 Nov 2019 03:52
 Operator : JC/SP
 Sample : K5968-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20191121

Quant Time: Nov 27 06:22:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	642536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1026944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	925631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	409545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	379004	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	5.49	113	307006	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	8.71	98	1225403	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.14	95	408917	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

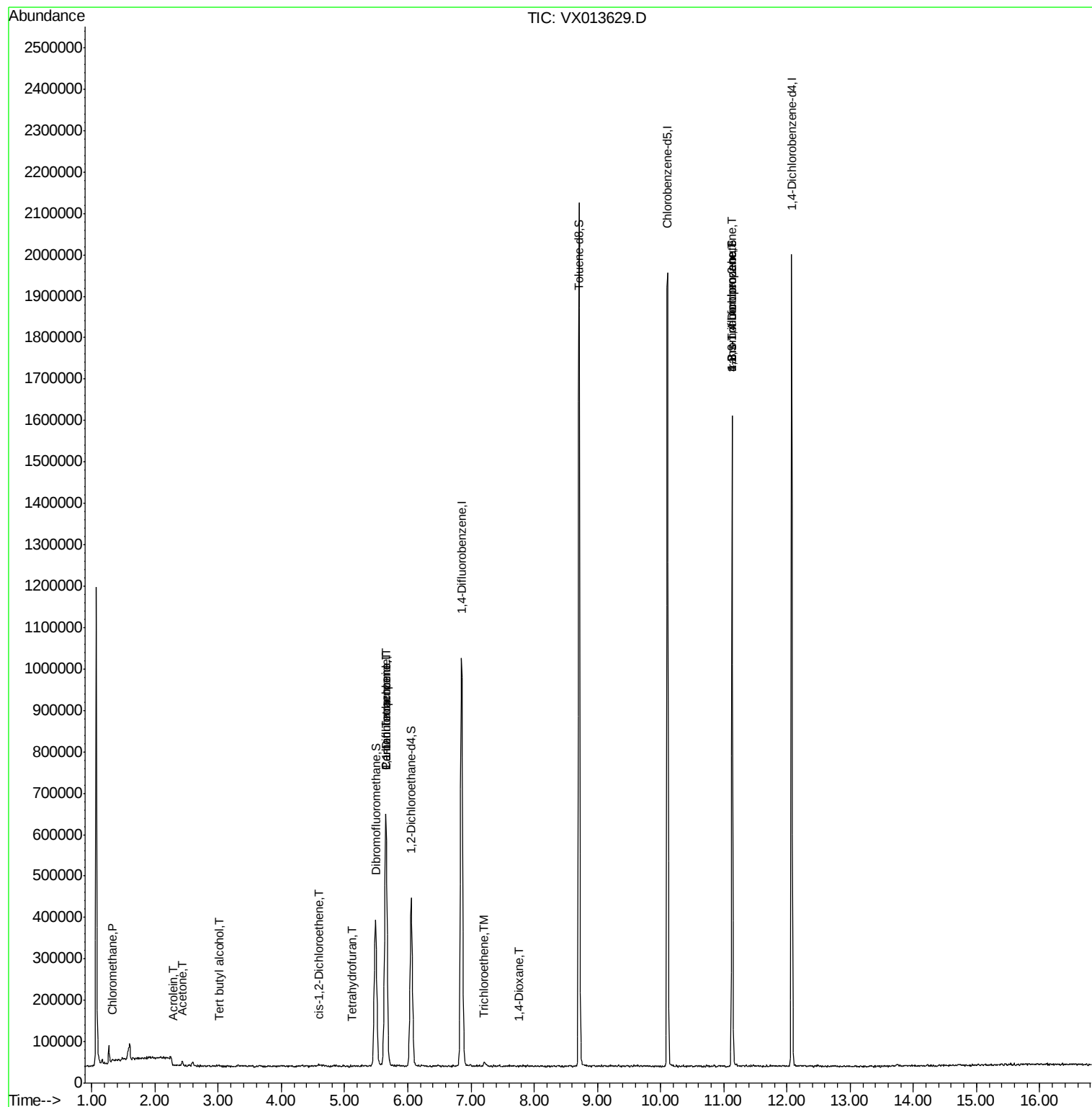
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2523	0.314	ug/l	97
11) Tert butyl alcohol	3.02	59	1838	0.998	ug/l #	71
13) Acrolein	2.28	56	942	6.750	ug/l #	77
16) Acetone	2.44	43	14135	3.839	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	2304	0.301	ug/l	67
29) Tetrahydrofuran	5.12	42	811	0.240	ug/l #	78
36) 1,1-Dichloropropene	5.65	75	44317	4.754	ug/l #	51
38) Carbon Tetrachloride	5.65	117	54837	6.380	ug/l #	16
44) Trichloroethene	7.22	130	5132	0.659	ug/l	96
49) 1,4-Dioxane	7.75	88	418	2.232	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	201255	21.848	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	201255	59.774	ug/l #	11

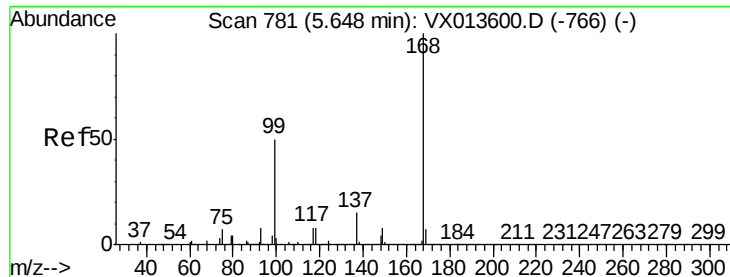
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

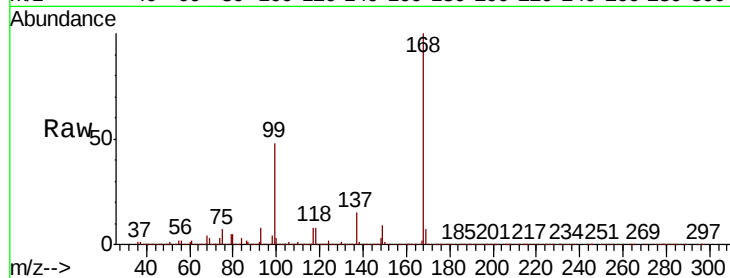
ROOF-DRAIN-20191121

Tot Ion:168 Resp: 642536

Ion Ratio Lower Upper

168 100

99 48.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

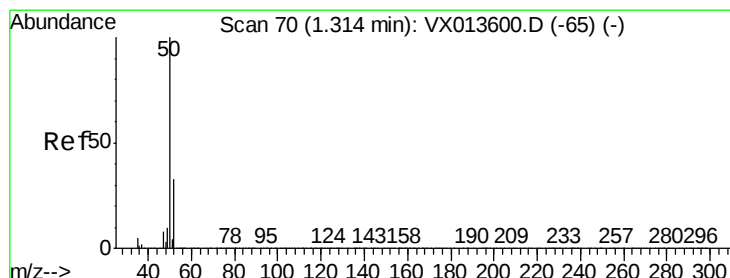
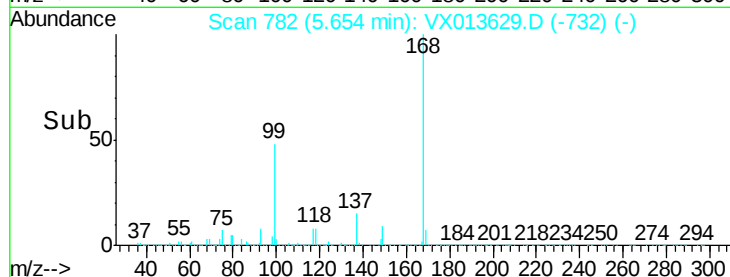
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.314 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013629.D

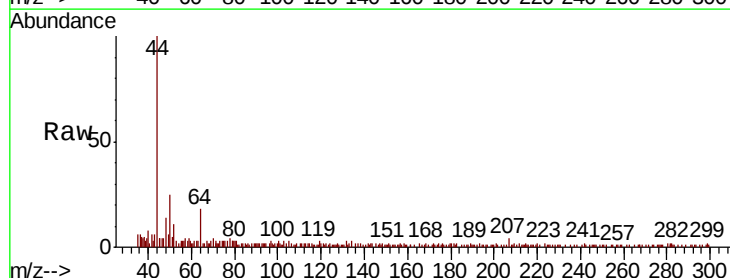
Acq: 27 Nov 2019 03:52

Tgt Ion: 50 Resp: 2523

Ion Ratio Lower Upper

50 100

52 30.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

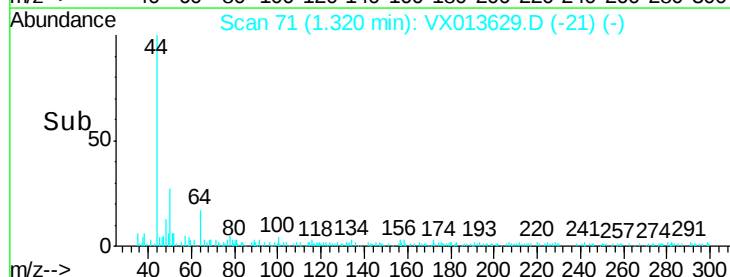
1500

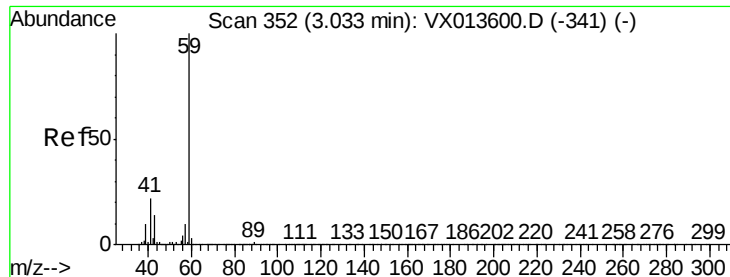
1000

500

0

Time-->



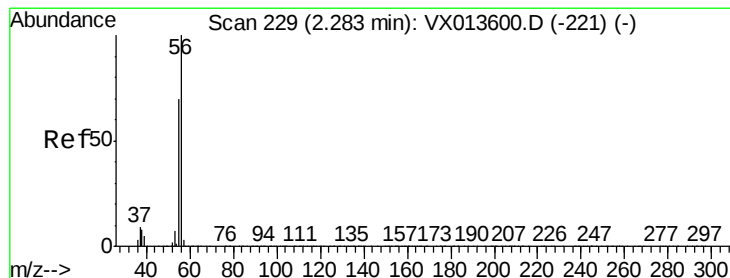
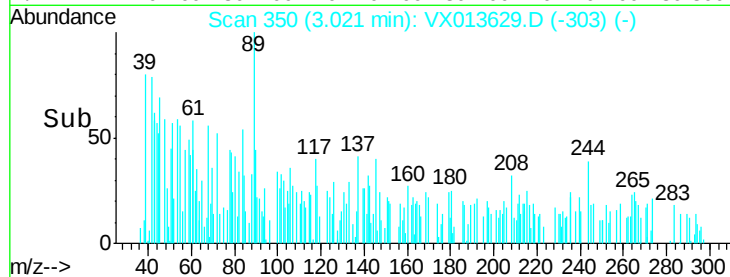
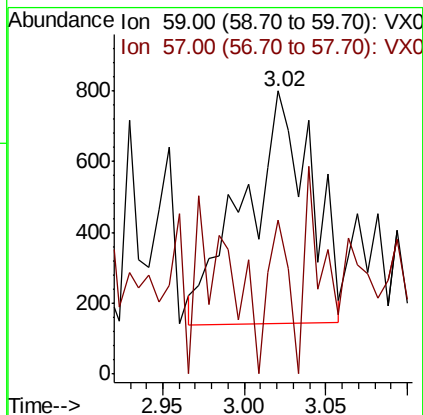
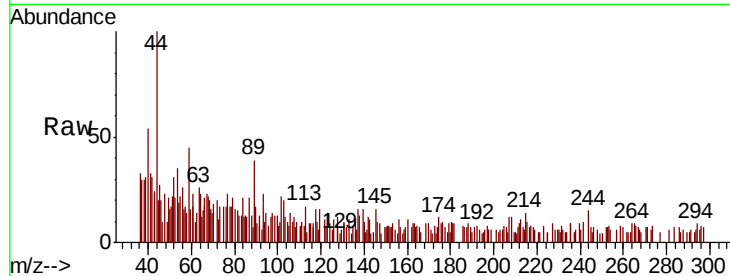


#11

Tert butyl alcohol
Concen: 0.998 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX013629.D
Acq: 27 Nov 2019 03:52

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20191121

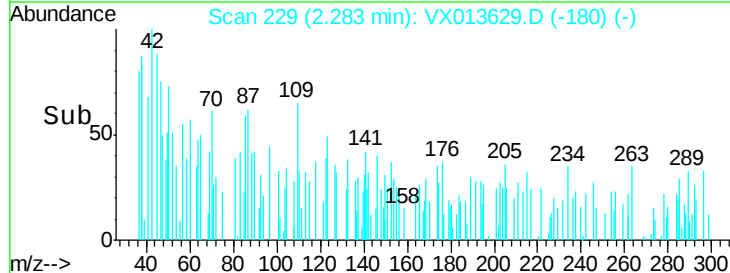
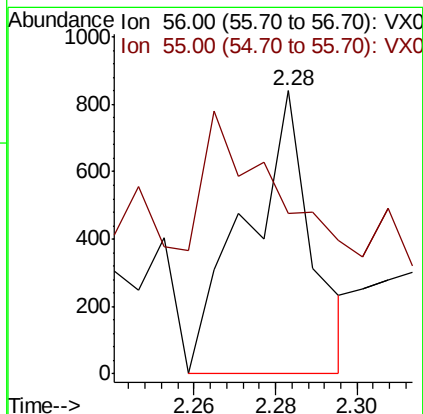
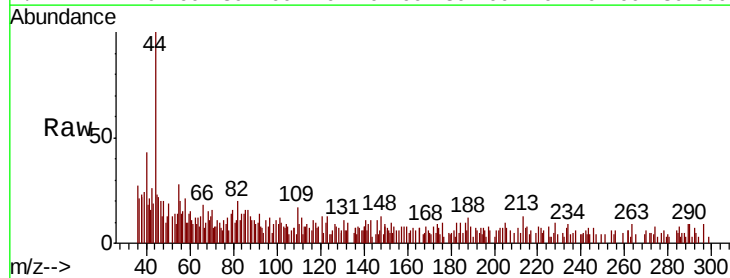
Tot Ion: 59 Resp: 1838
Ion Ratio Lower Upper
59 100
57 20.2 7.8 11.6#

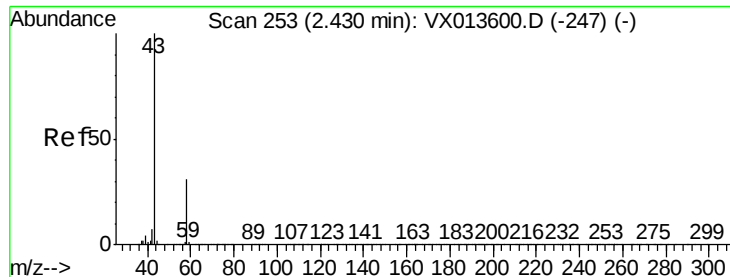


#13

Acrolein
Concen: 6.750 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013629.D
Acq: 27 Nov 2019 03:52

Tgt Ion: 56 Resp: 942
Ion Ratio Lower Upper
56 100
55 51.3 56.2 84.4#





#16

Acetone

Concen: 3.839 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

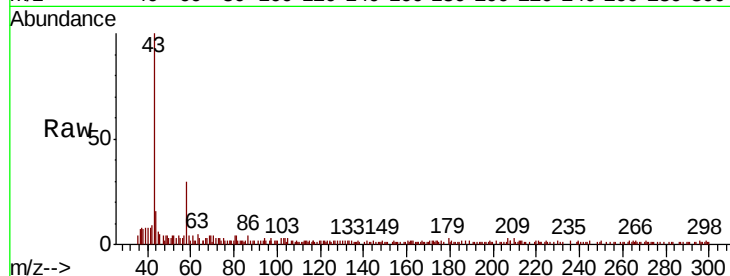
ROOF-DRAIN-20191121

Tot Ion: 43 Resp: 14135

Ion Ratio Lower Upper

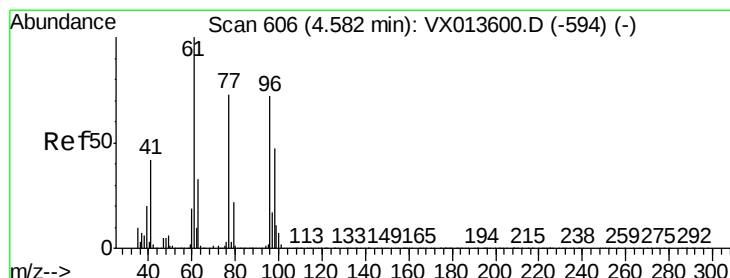
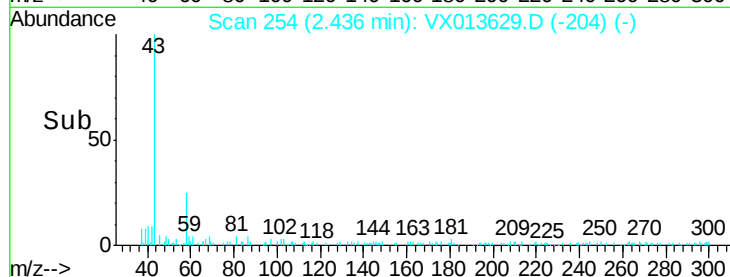
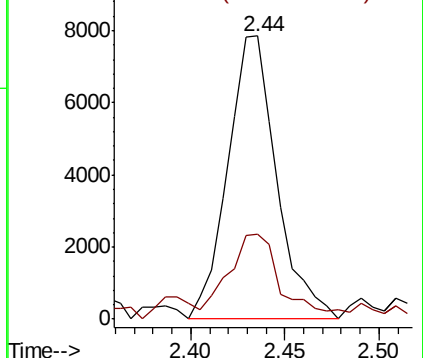
43 100

58 26.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.301 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

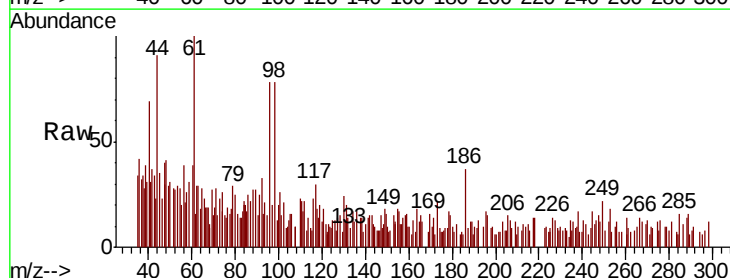
Tgt Ion: 96 Resp: 2304

Ion Ratio Lower Upper

96 100

61 187.8 0.0 286.4

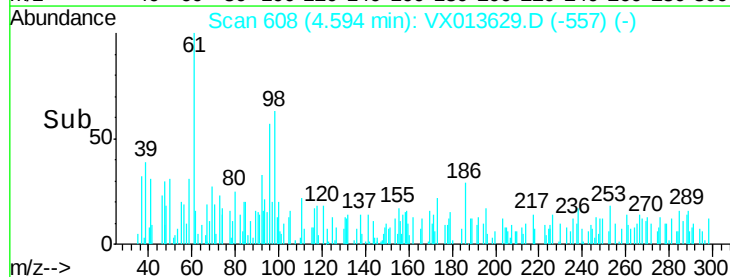
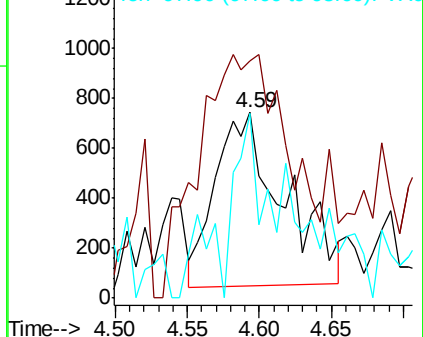
98 44.4 0.0 127.4

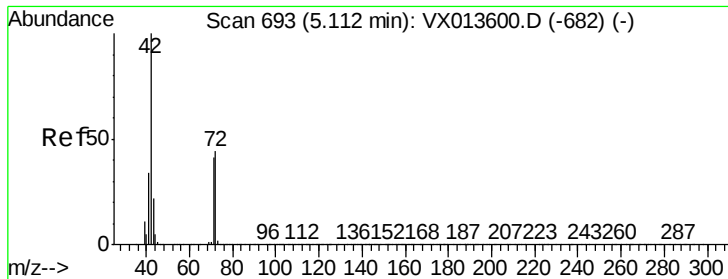


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20191121

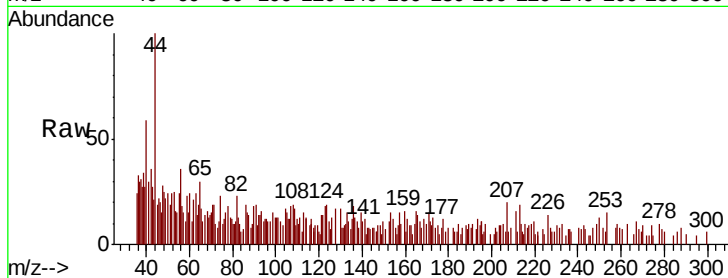
Tot Ion: 42 Resp: 811

Ion Ratio Lower Upper

42 100

72 29.3 36.3 54.5#

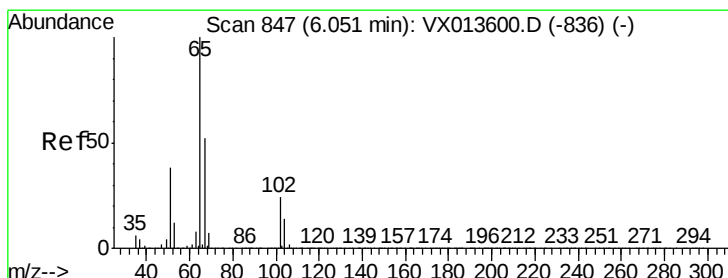
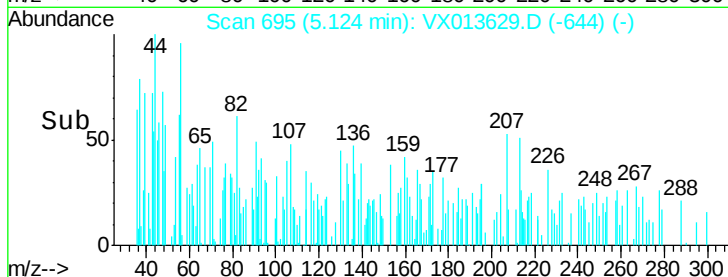
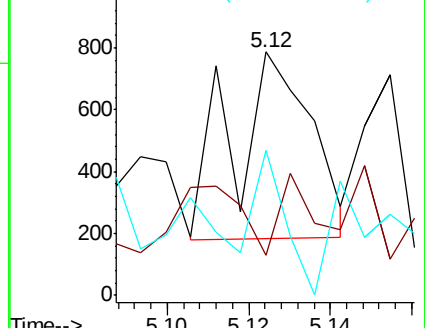
71 29.7 33.2 49.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.816 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013629.D

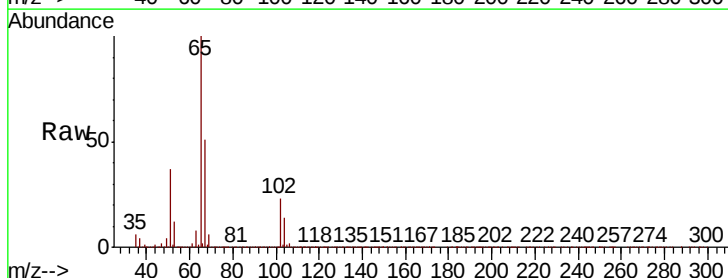
Acq: 27 Nov 2019 03:52

Tgt Ion: 65 Resp: 379004

Ion Ratio Lower Upper

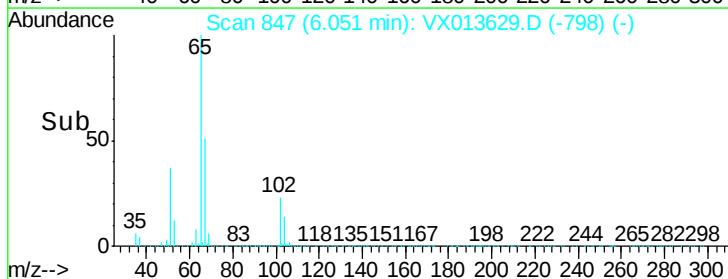
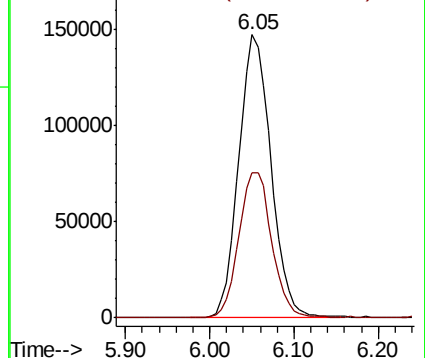
65 100

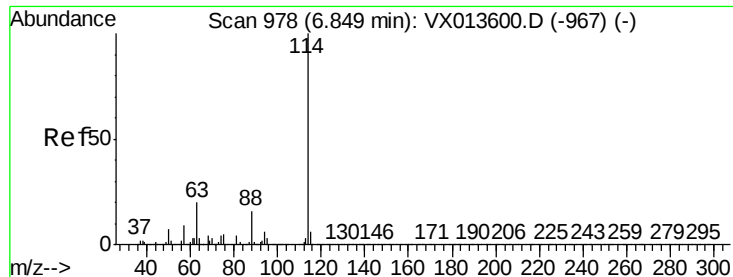
67 52.3 0.0 104.4



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20191121

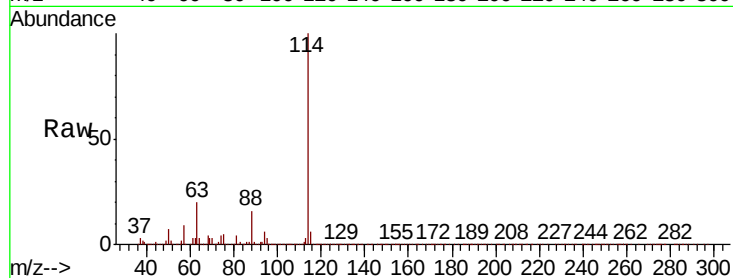
Tot Ion:114 Resp: 1026944

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

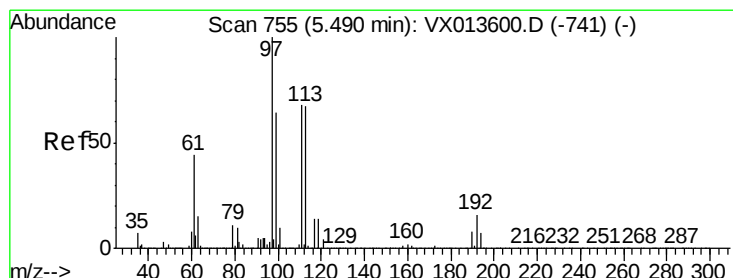
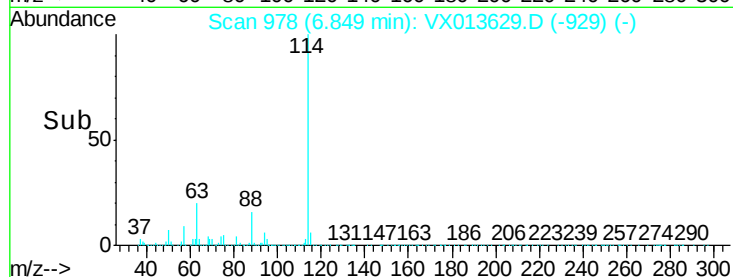
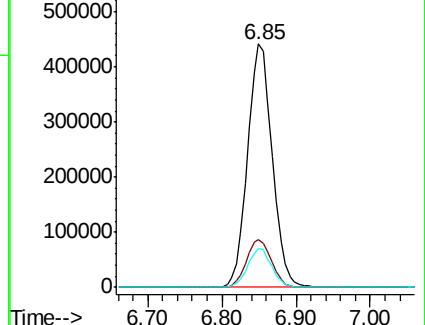
88 15.7 0.0 31.4



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: 48.357 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

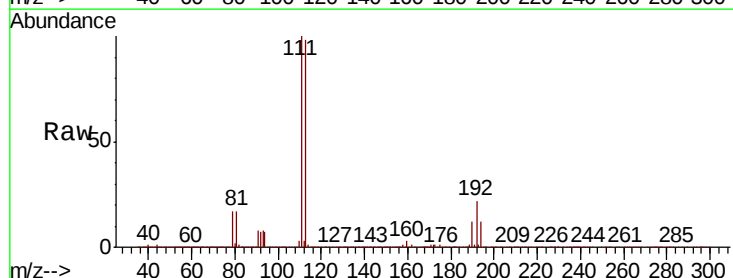
Tgt Ion:113 Resp: 307006

Ion Ratio Lower Upper

113 100

111 103.1 83.6 125.4

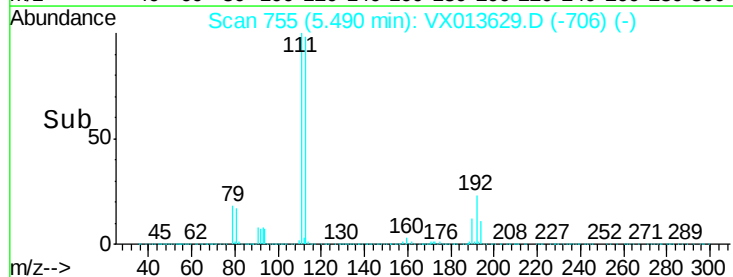
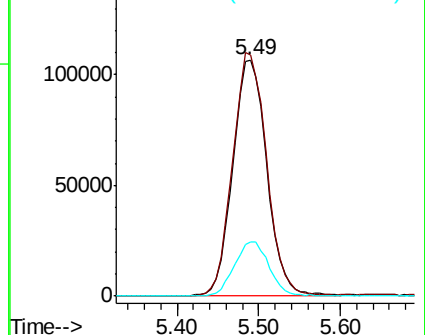
192 23.9 19.2 28.8

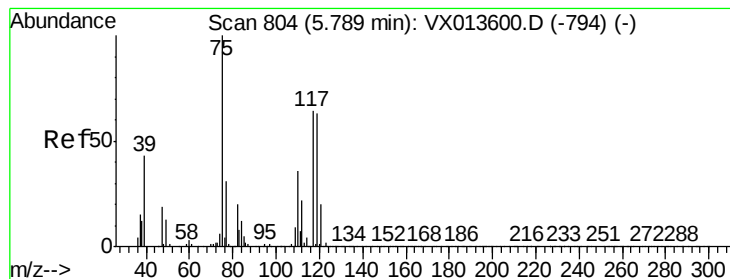


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20191121

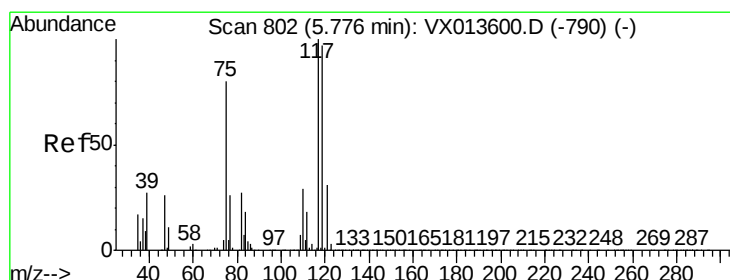
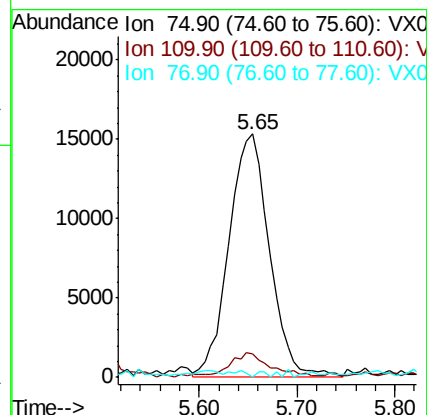
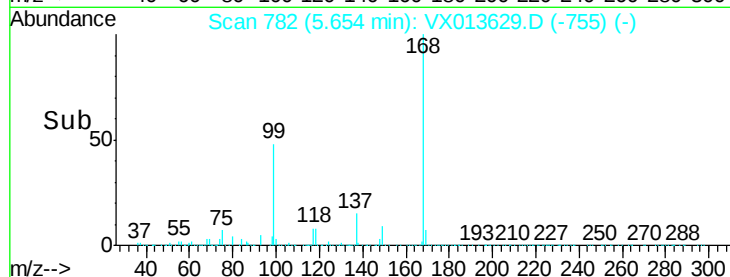
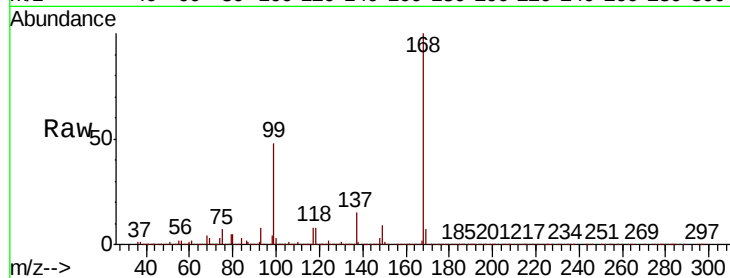
Tot Ion: 75 Resp: 44317

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

77 1.1 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.380 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

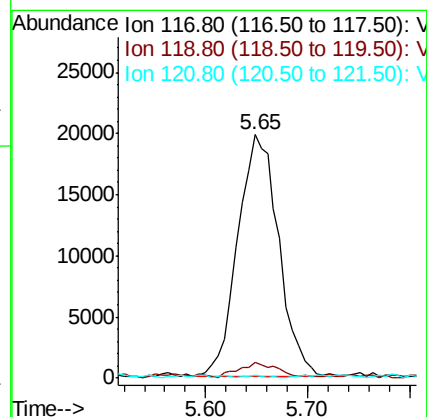
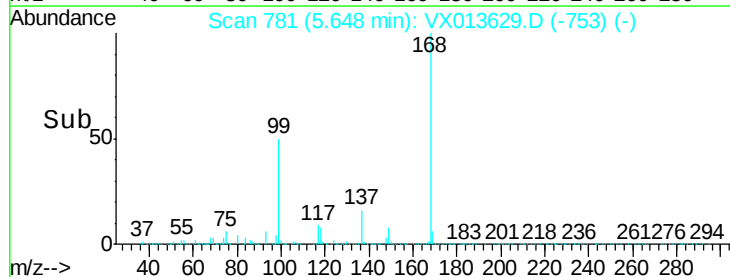
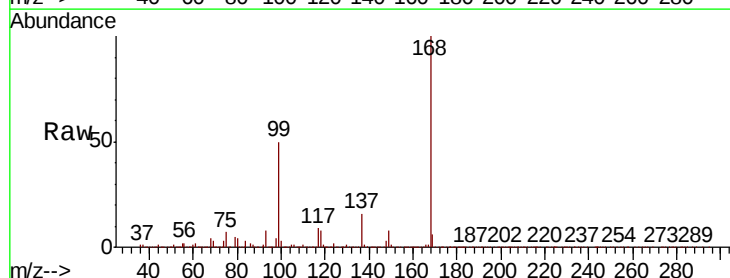
Tgt Ion: 117 Resp: 54837

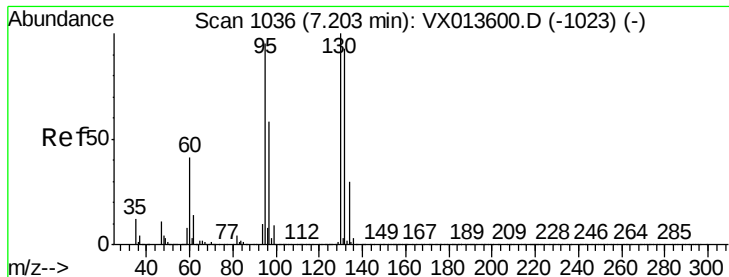
Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

121 0.5 25.0 37.6#





#44

Trichloroethene

Concen: 0.659 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

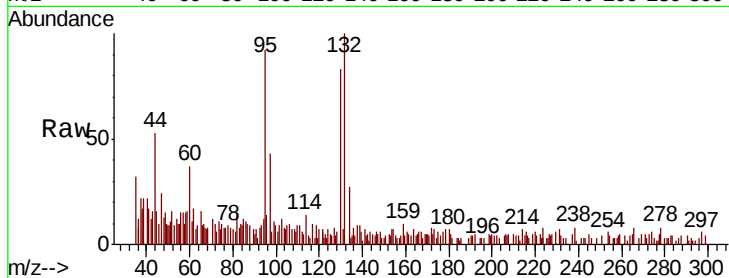
ROOF-DRAIN-20191121

Tot Ion:130 Resp: 5132

Ion Ratio Lower Upper

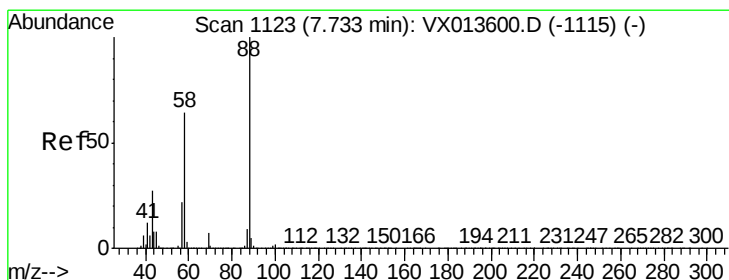
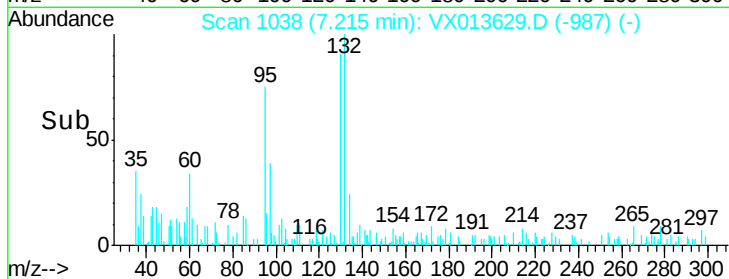
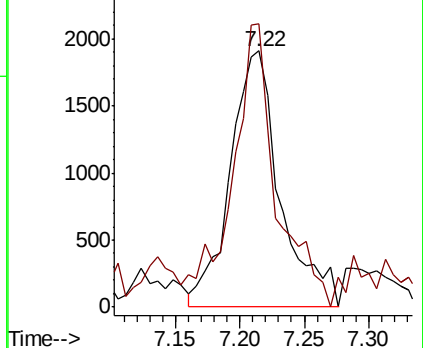
130 100

95 99.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.232 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

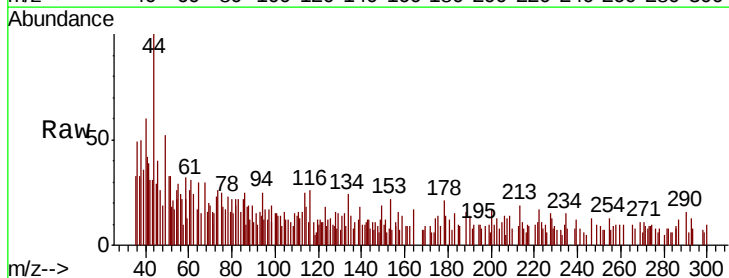
Tgt Ion: 88 Resp: 418

Ion Ratio Lower Upper

88 100

43 168.7 25.8 38.6#

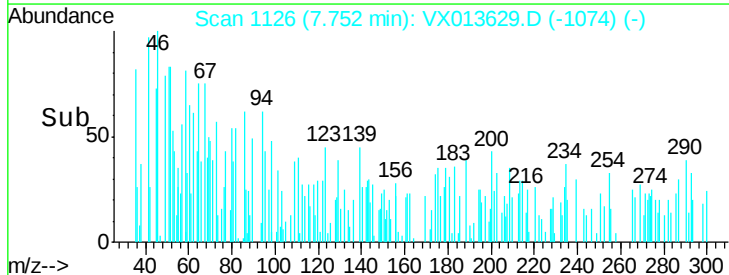
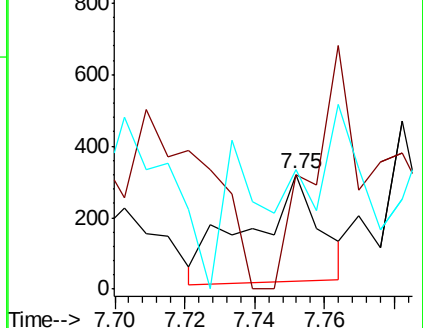
58 71.8 54.6 82.0

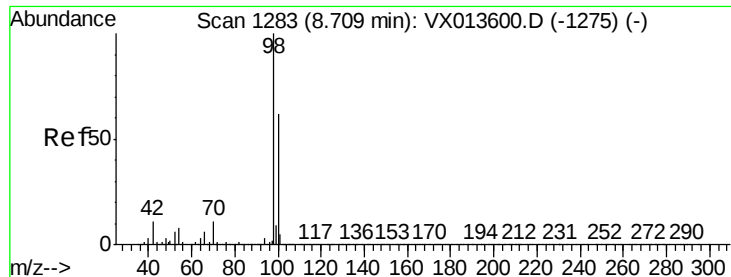


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.541 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

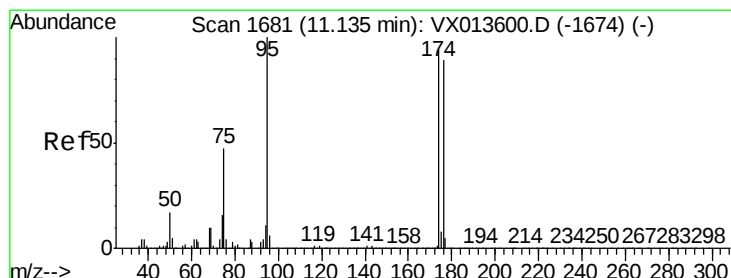
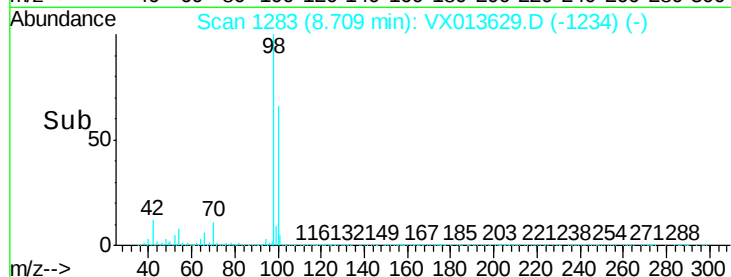
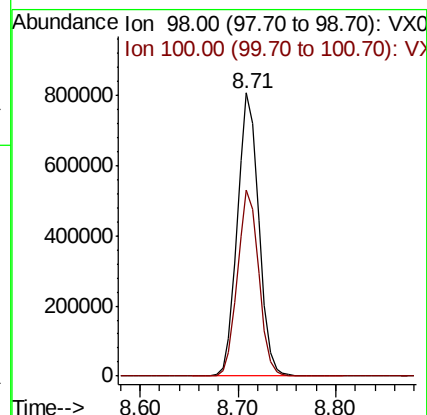
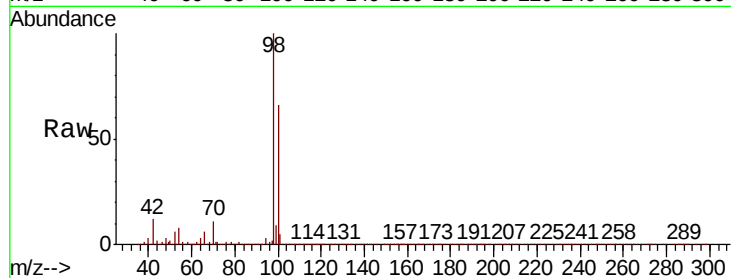
ROOF-DRAIN-20191121

Tot Ion: 98 Resp: 1225403

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.845 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

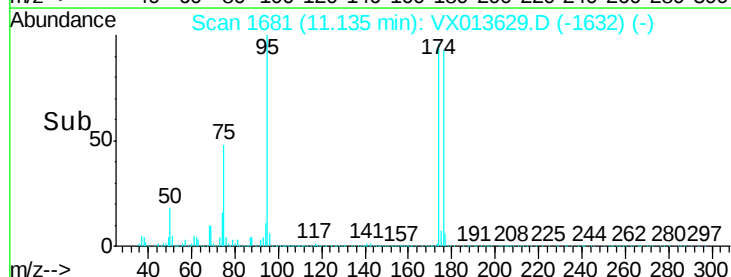
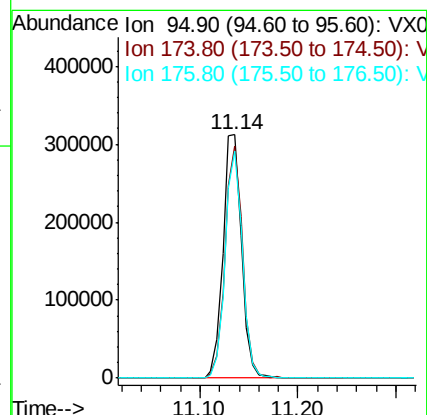
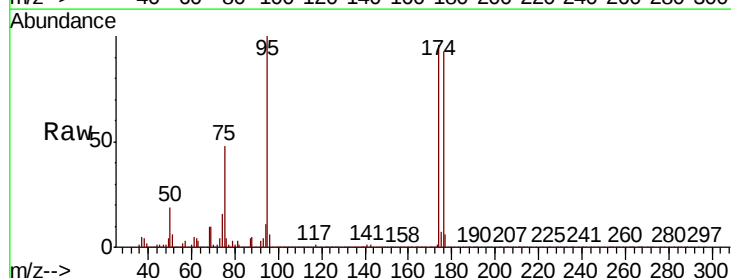
Tgt Ion: 95 Resp: 408917

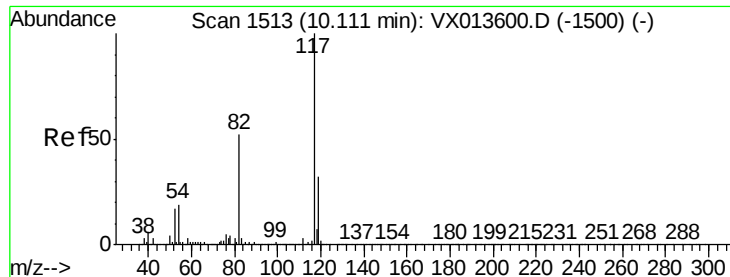
Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

176 87.2 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20191121

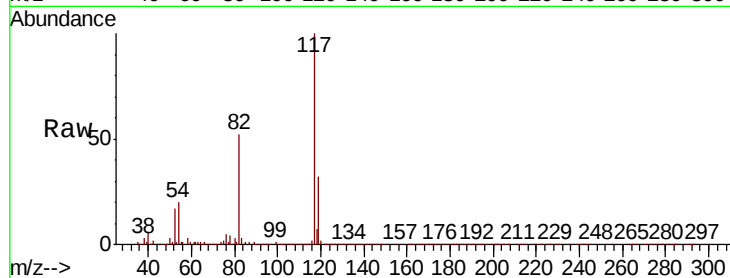
Tot Ion:117 Resp: 925631

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

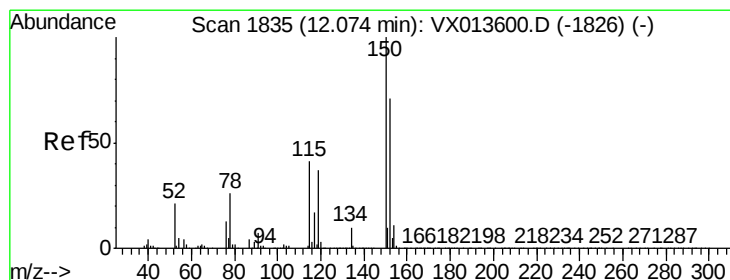
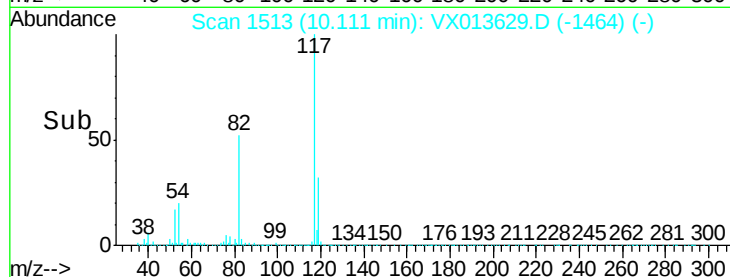
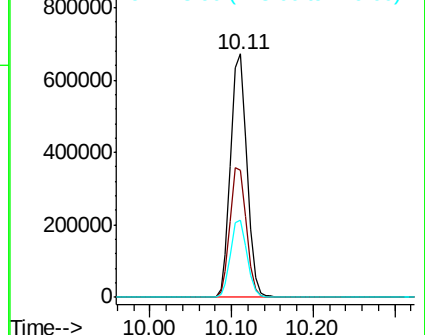
119 31.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013629.D

Acq: 27 Nov 2019 03:52

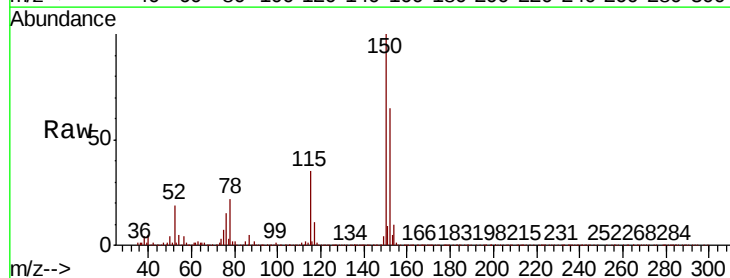
Tgt Ion:152 Resp: 409545

Ion Ratio Lower Upper

152 100

115 54.9 38.4 115.1

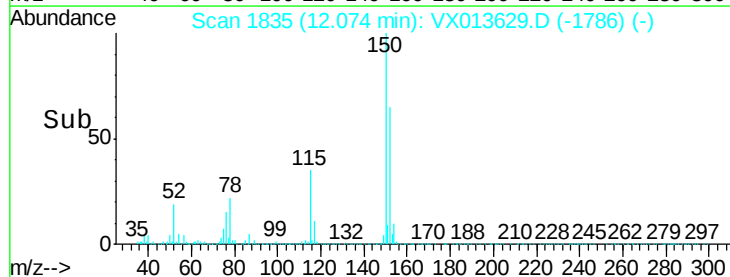
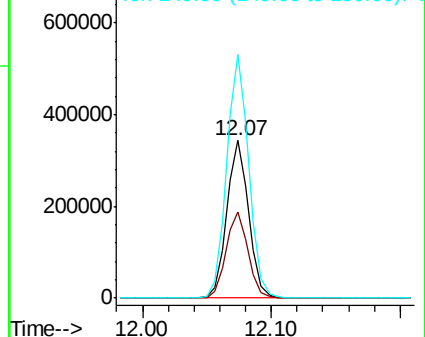
150 155.8 0.0 346.8

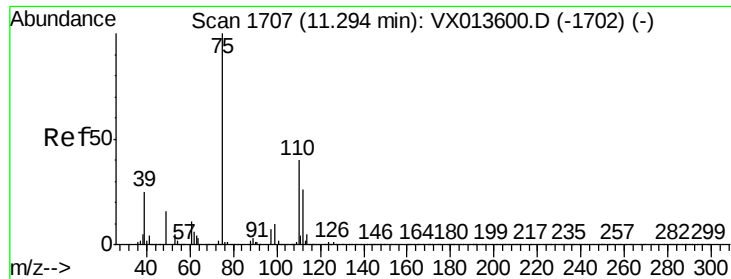


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

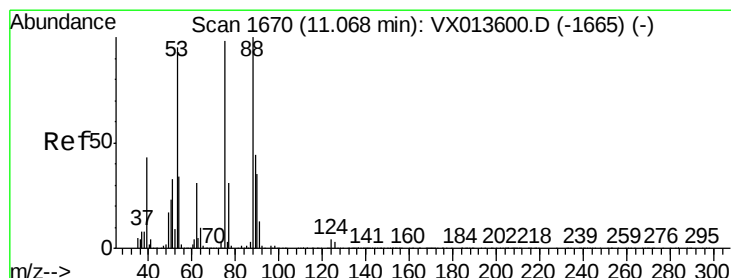
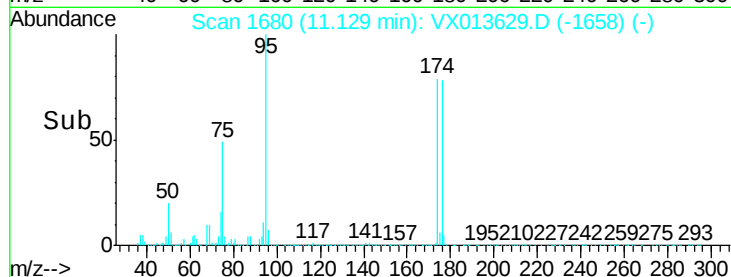
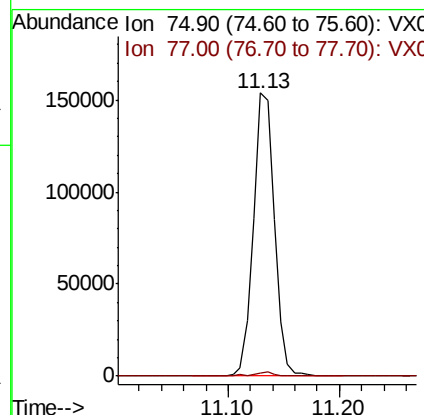
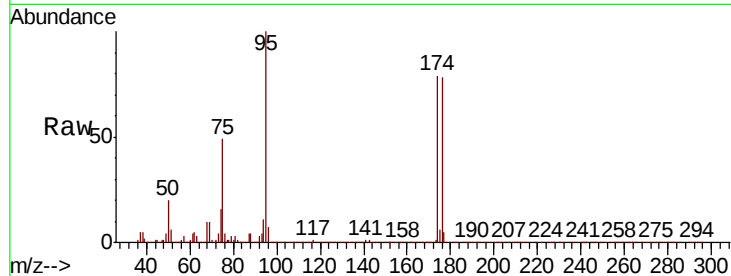




#76
 1,2,3-Trichloropropane
 Concen: 21.848 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013629.D
 Acq: 27 Nov 2019 03:52

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20191121

Tot Ion: 75 Resp: 201255
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.774 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013629.D
 Acq: 27 Nov 2019 03:52

Tgt Ion: 75 Resp: 201255
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.2#
 89 0.1 35.4 53.2#

