

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018151.D
 Acq On : 31 Aug 2020 16:39
 Operator : JC/SP
 Sample : L3831-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20200827

Quant Time: Sep 01 05:32:13 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	482440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	800224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	734634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	357810	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	344253	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
35) Dibromofluoromethane	5.47	113	276993	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	8.70	98	965485	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.12	95	355938	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

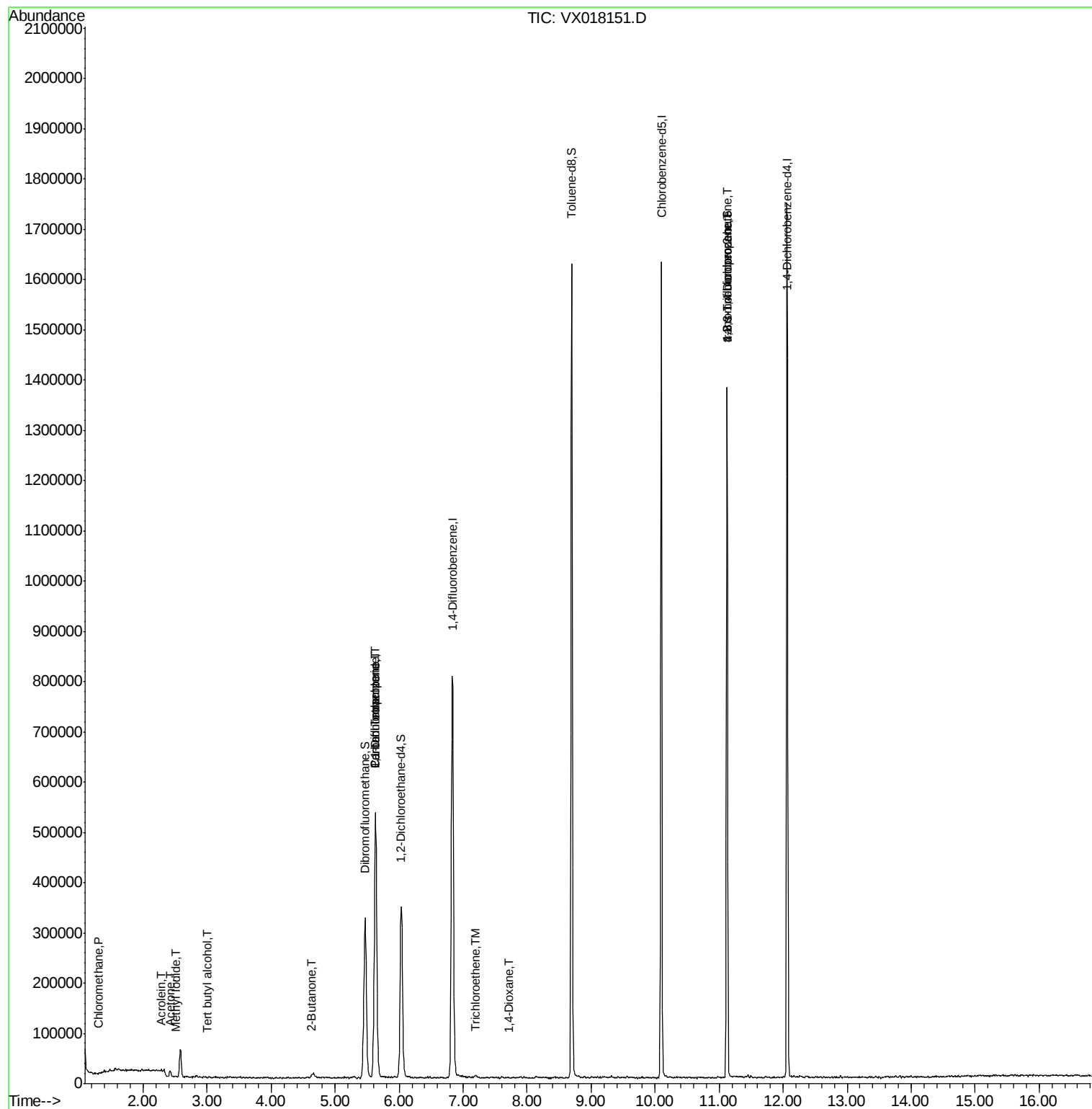
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1501	0.242	ug/l #	49
10) Methyl Iodide	2.51	142	420	5.364	ug/l #	40
11) Tert butyl alcohol	3.00	59	942	0.723	ug/l #	53
13) Acrolein	2.27	56	664	1.230	ug/l #	62
16) Acetone	2.42	43	10261	3.932	ug/l	96
20) Methylene Chloride	2.83	84	1528	Below Cal	#	83
25) 2-Butanone	4.63	43	1275	0.297	ug/l #	54
36) 1,1-Dichloropropene	5.63	75	38851	5.264	ug/l #	51
38) Carbon Tetrachloride	5.63	117	50158	6.030	ug/l #	19
44) Trichloroethene	7.19	130	1599	0.261	ug/l	91
49) 1,4-Dioxane	7.72	88	132	1.057	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	178766	22.459	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	178766	60.658	ug/l #	12

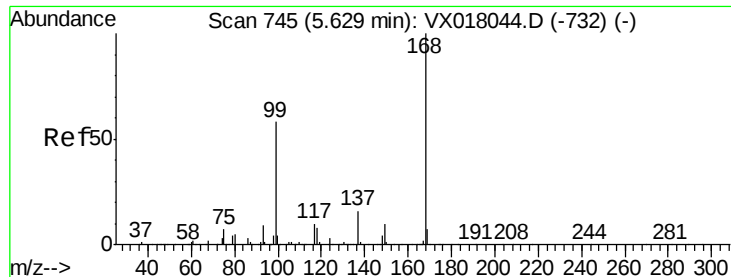
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

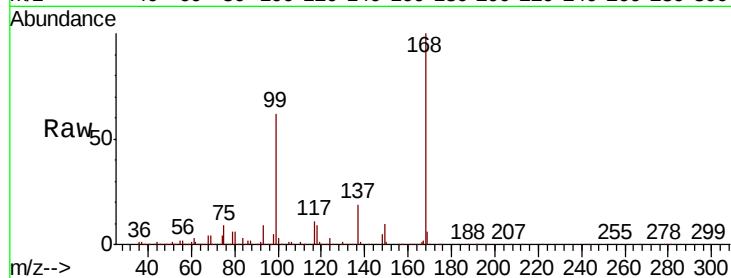
ROOF-DRAIN-20200827

Tot Ion:168 Resp: 482440

Ion Ratio Lower Upper

168 100

99 61.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

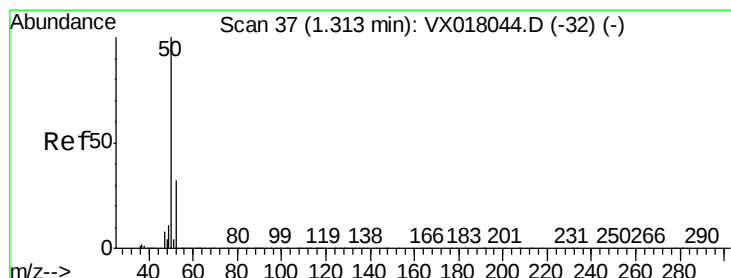
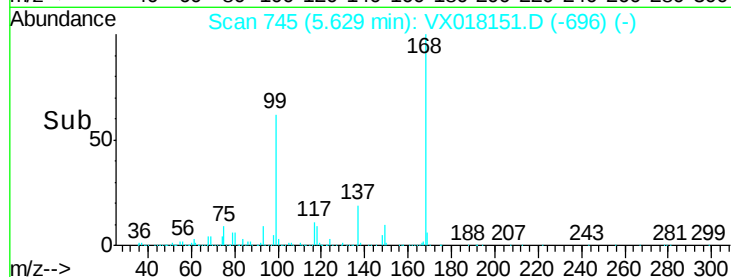
50000

0

5.50 5.60 5.70 5.80

5.63

Time-->



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018151.D

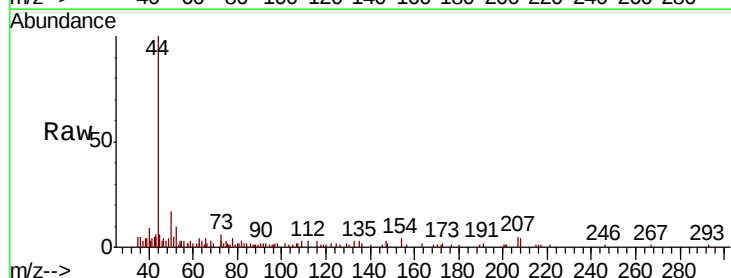
Acq: 31 Aug 2020 16:39

Tgt Ion: 50 Resp: 1501

Ion Ratio Lower Upper

50 100

52 60.4 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

600

400

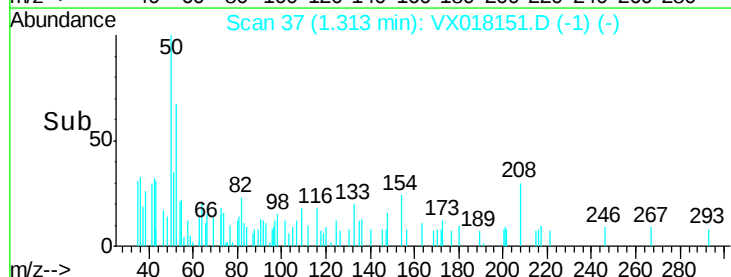
200

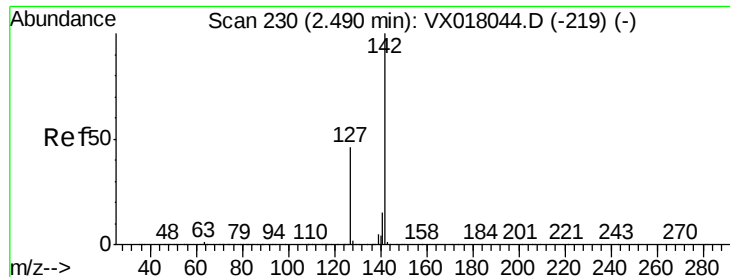
0

1.30 1.35

1.31

Time-->

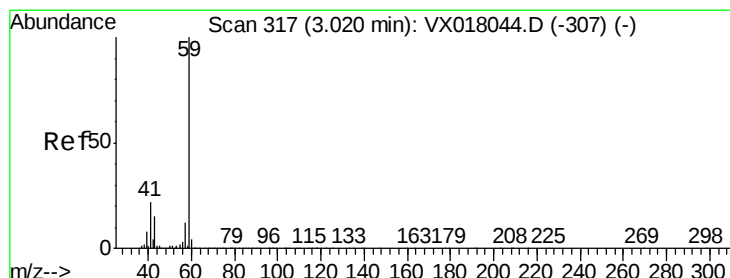
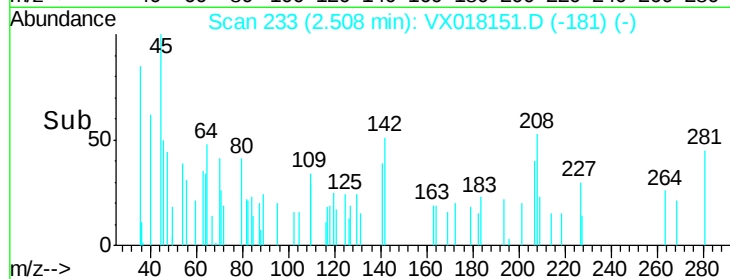
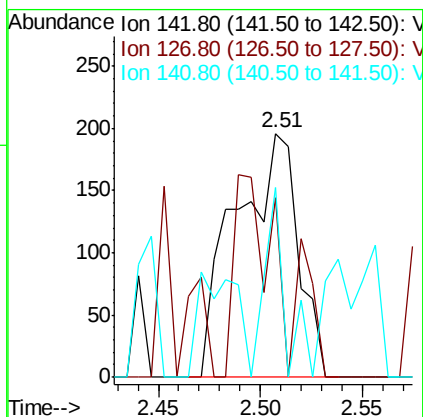
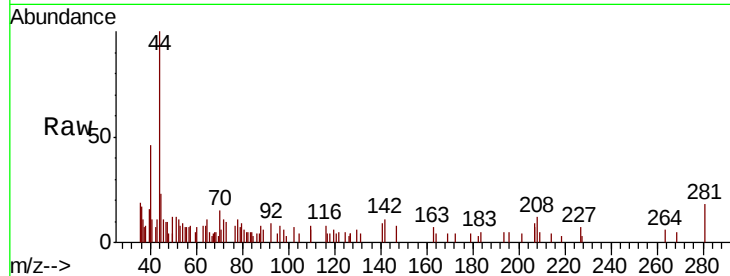




#10
Methyl Iodide
Concen: 5.364 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018151.D
Acq: 31 Aug 2020 16:39

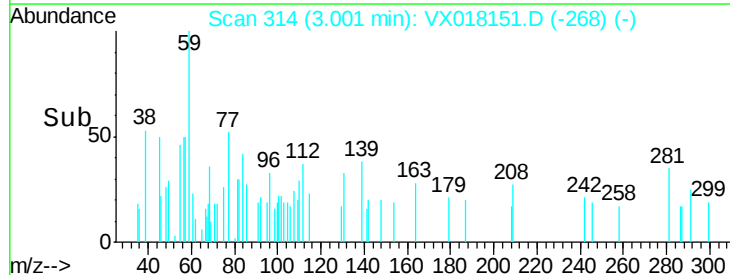
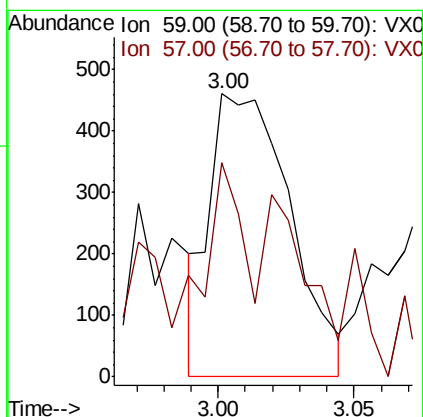
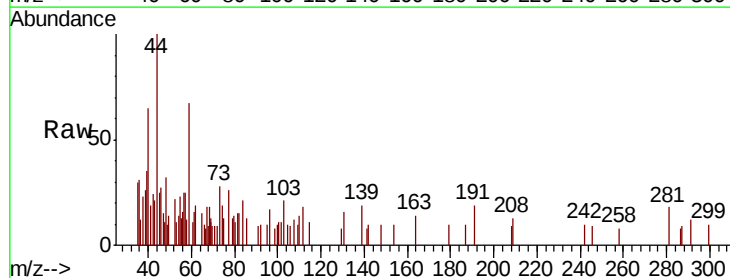
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200827

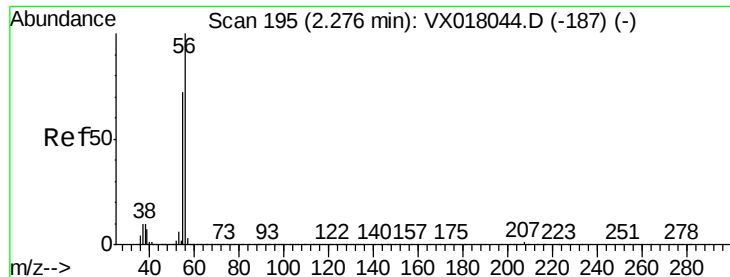
Tot Ion:142 Resp: 420
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 25.7 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.723 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018151.D
Acq: 31 Aug 2020 16:39

Tgt Ion: 59 Resp: 942
Ion Ratio Lower Upper
59 100
57 28.9 8.9 13.3#





#13

Acrolein

Concen: 1.230 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

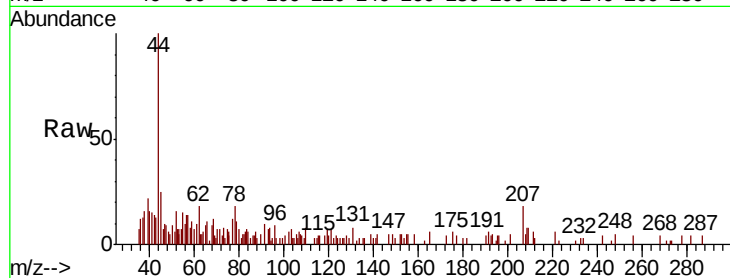
ROOF-DRAIN-20200827

Tot Ion: 56 Resp: 664

Ion Ratio Lower Upper

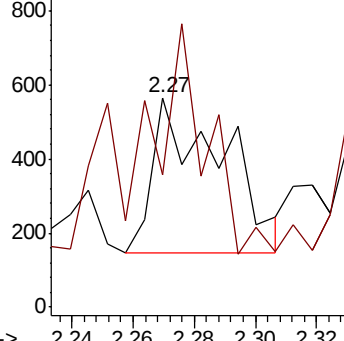
56 100

55 102.9 57.0 85.6#

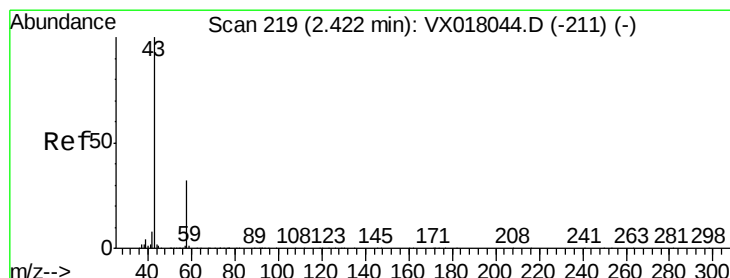
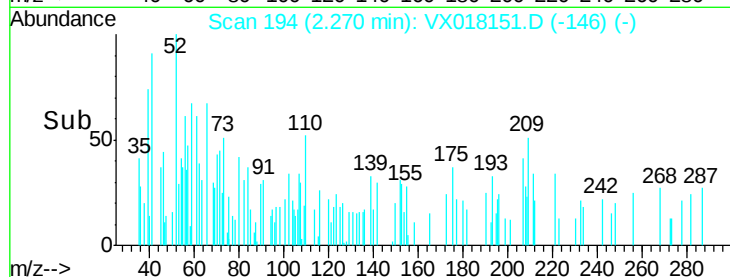


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 3.932 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018151.D

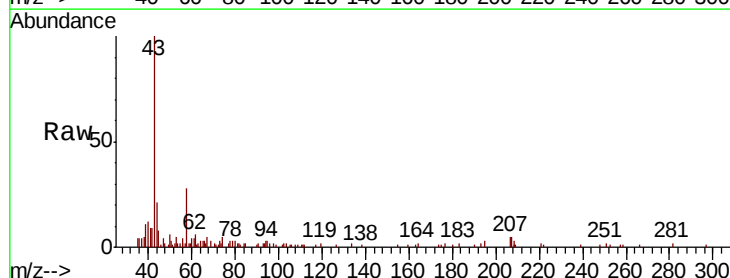
Acq: 31 Aug 2020 16:39

Tgt Ion: 43 Resp: 10261

Ion Ratio Lower Upper

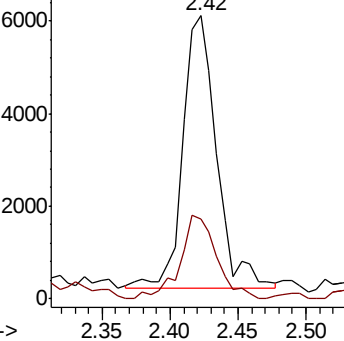
43 100

58 29.5 25.5 38.3

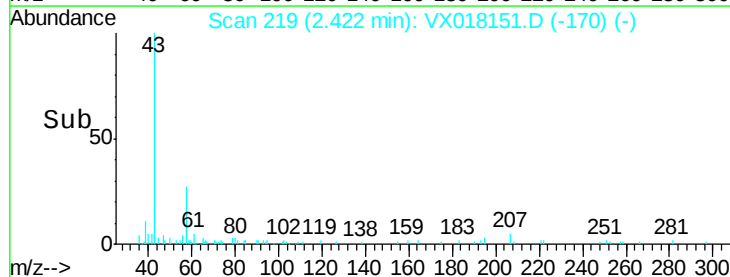


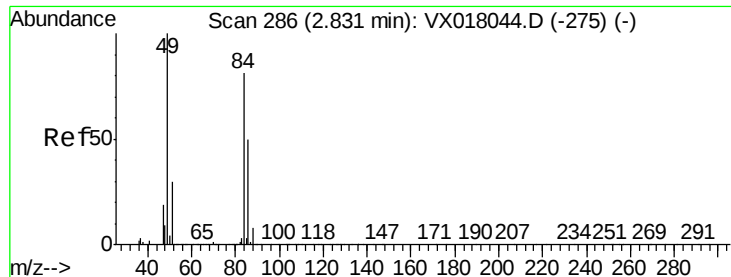
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

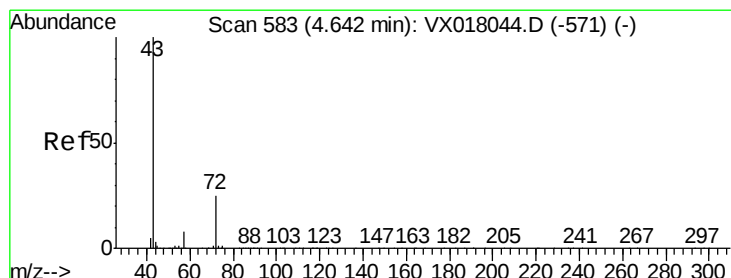
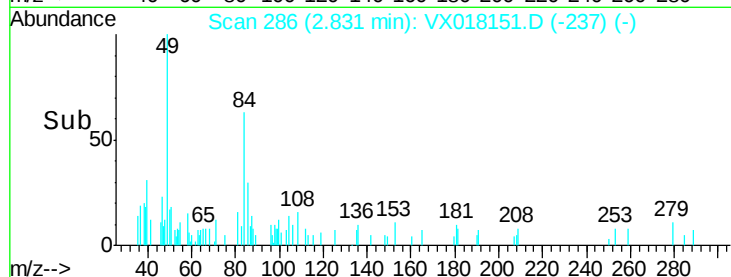
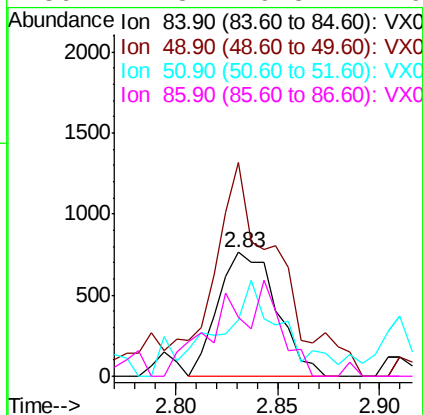
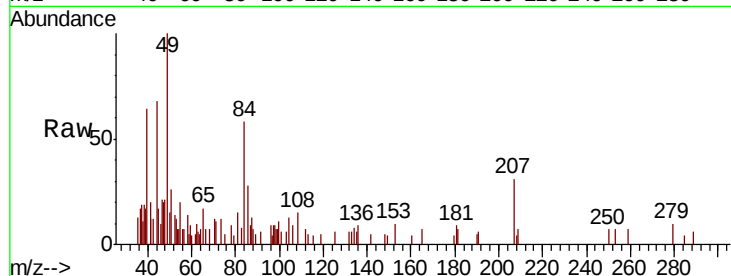




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018151.D
Acq: 31 Aug 2020 16:39

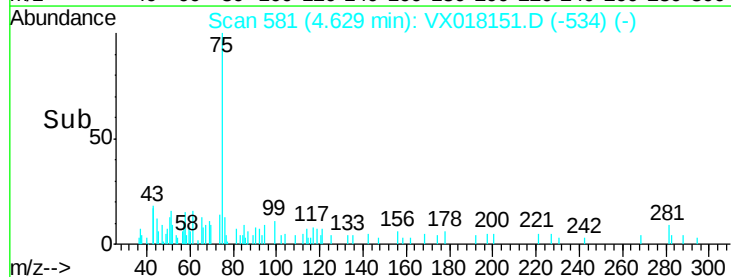
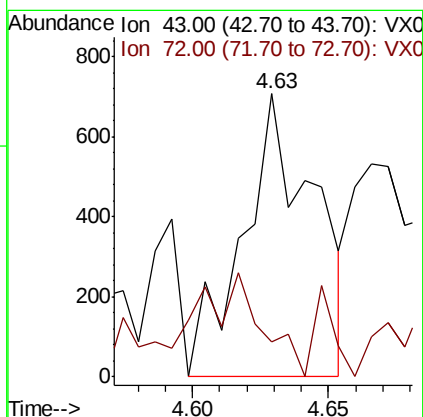
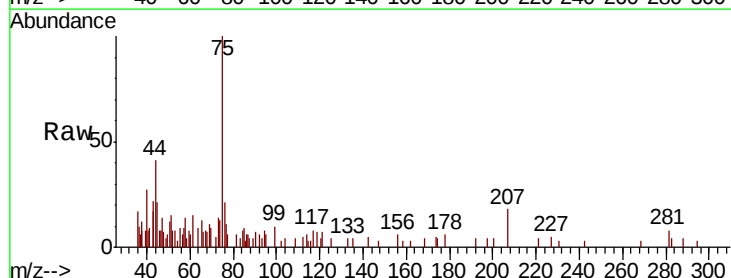
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200827

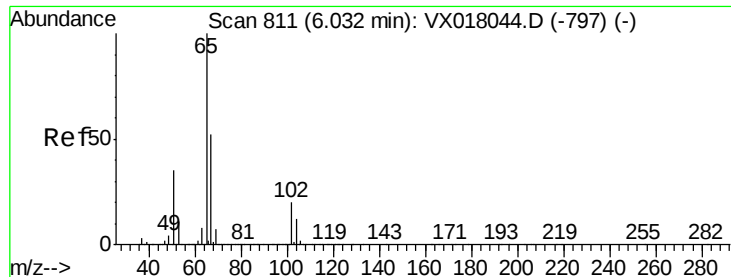
Tot Ion: 84 Resp: 1528
Ion Ratio Lower Upper
84 100
49 148.2 98.6 148.0#
51 36.8 29.6 44.4
86 47.8 49.8 74.6#



#25
2-Butanone
Concen: 0.297 ug/l
RT: 4.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX018151.D
Acq: 31 Aug 2020 16:39

Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
72 1.7 19.8 29.6#





#33

1,2-Dichloroethane-d4

Concen: 51.400 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

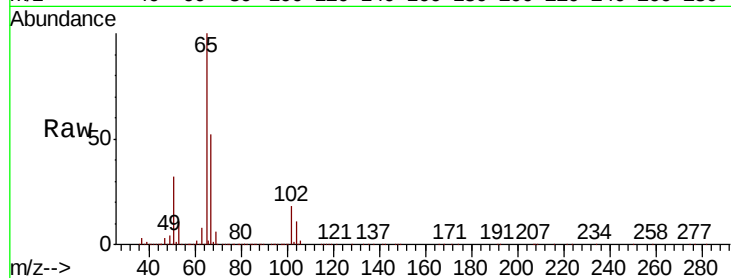
ROOF-DRAIN-20200827

Tot Ion: 65 Resp: 344253

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

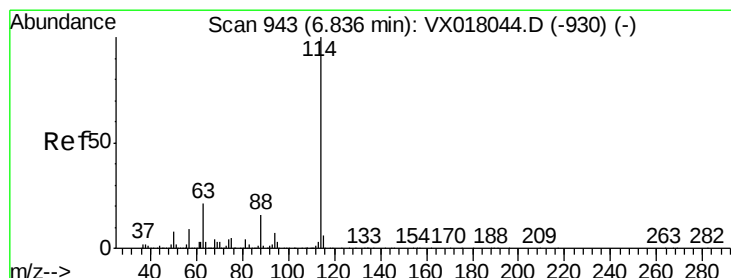
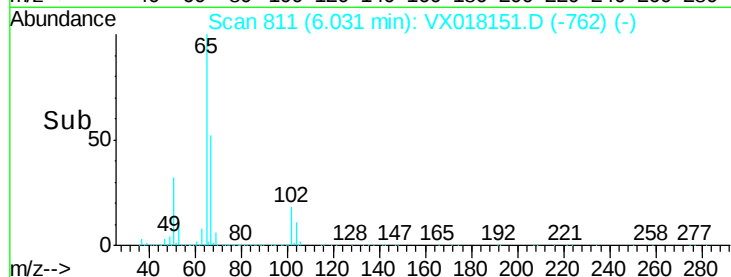
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

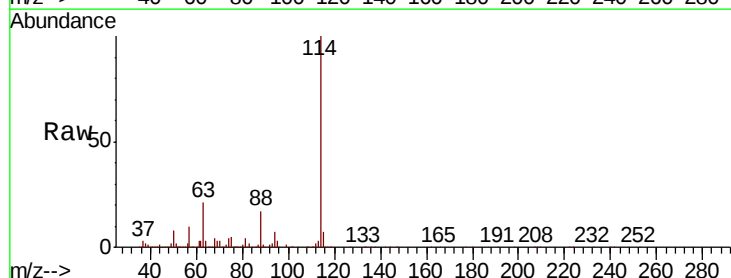
Tgt Ion: 114 Resp: 800224

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.5 0.0 31.8



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

6.83

400000

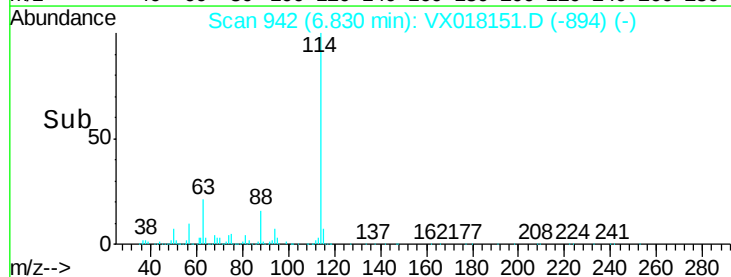
300000

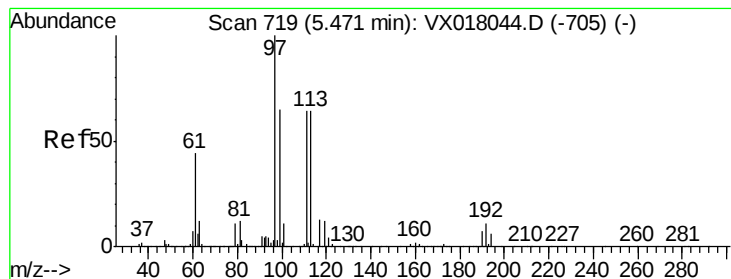
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.825 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

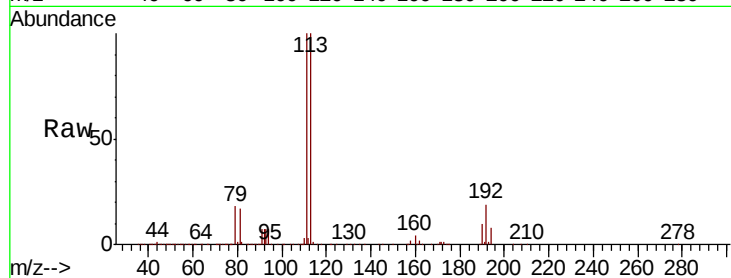
Tot Ion:113 Resp: 276993

Ion Ratio Lower Upper

113 100

111 101.3 81.6 122.4

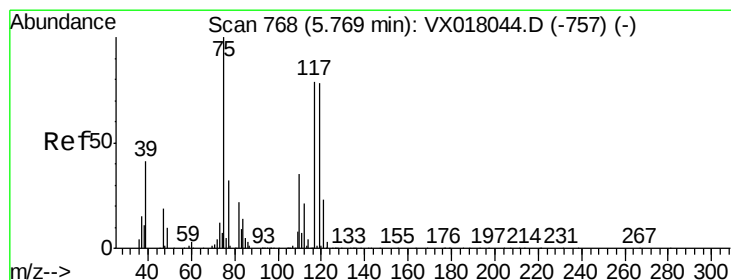
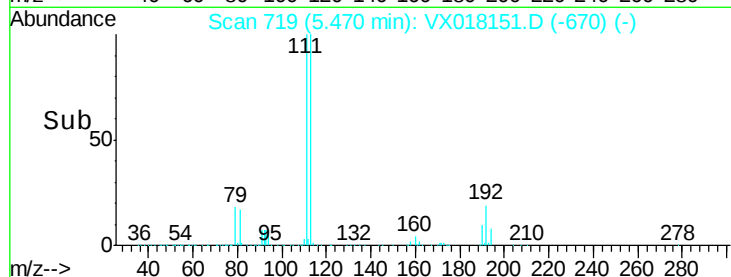
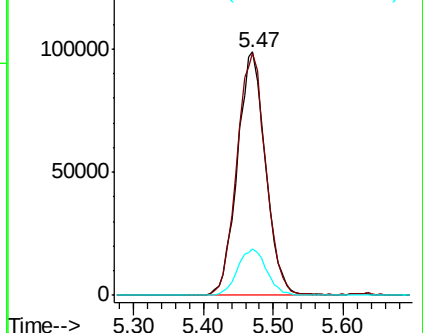
192 19.6 15.8 23.8



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: 5.264 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

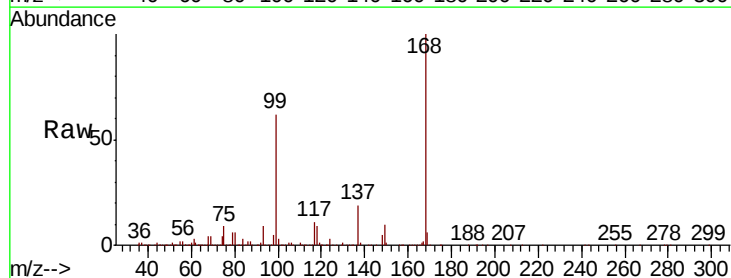
Tgt Ion: 75 Resp: 38851

Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

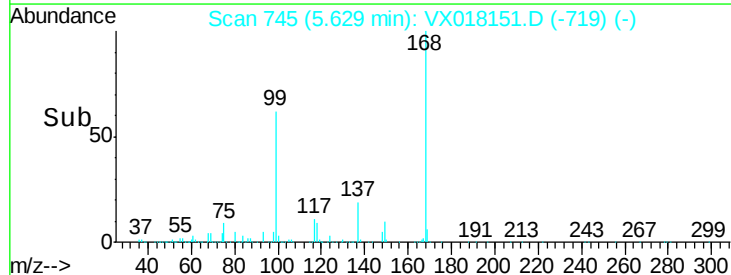
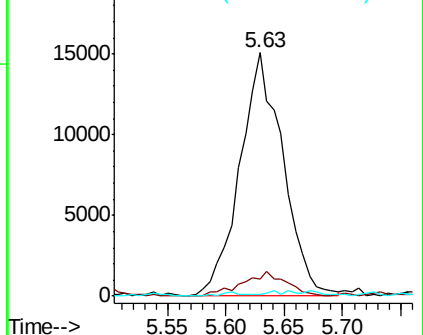
77 0.5 24.4 36.6#

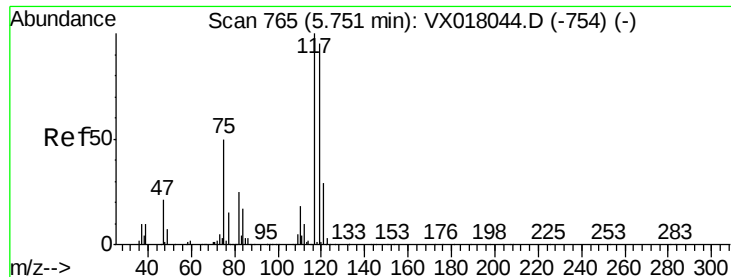


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.030 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

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ROOF-DRAIN-20200827

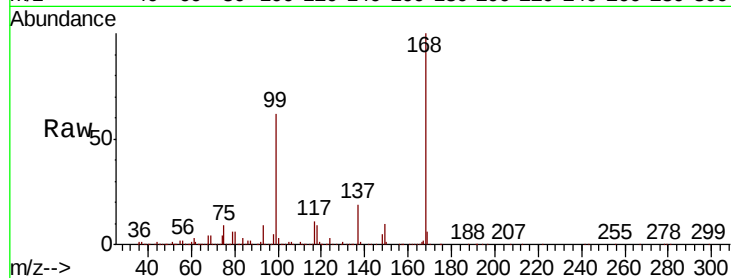
Tot Ion:117 Resp: 50158

Ion Ratio Lower Upper

117 100

119 8.5 75.8 113.6#

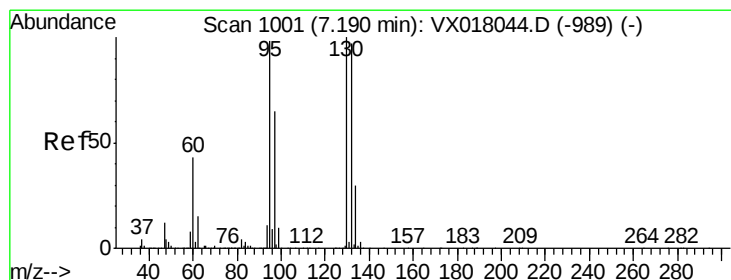
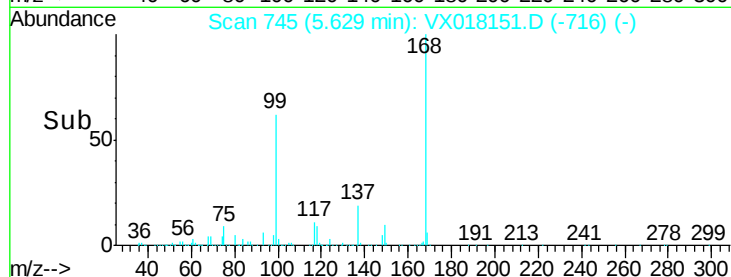
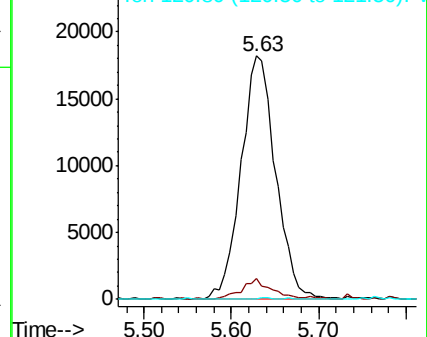
121 0.3 23.4 35.0#



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



#44

Trichloroethene

Concen: 0.261 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018151.D

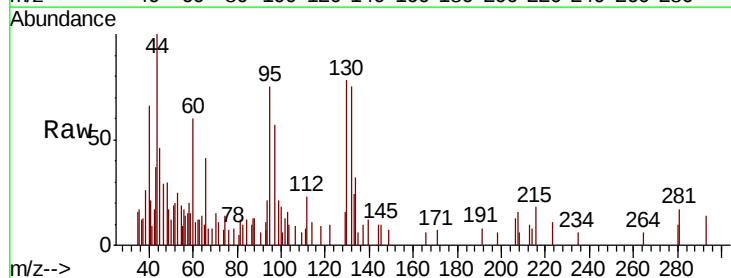
Acq: 31 Aug 2020 16:39

Tgt Ion:130 Resp: 1599

Ion Ratio Lower Upper

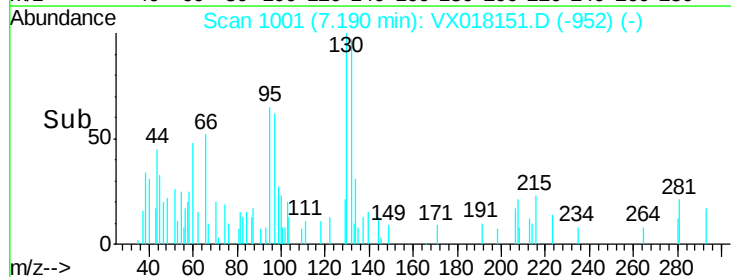
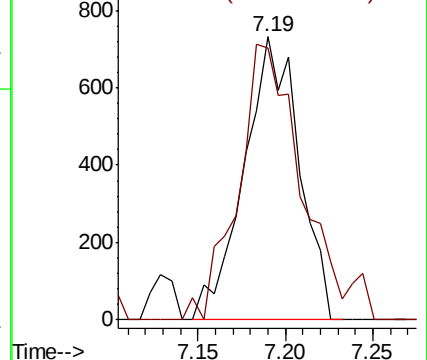
130 100

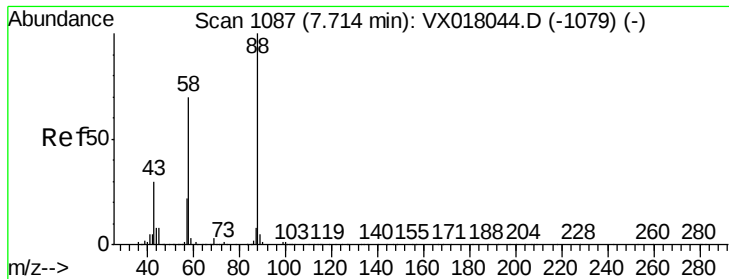
95 88.8 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.057 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

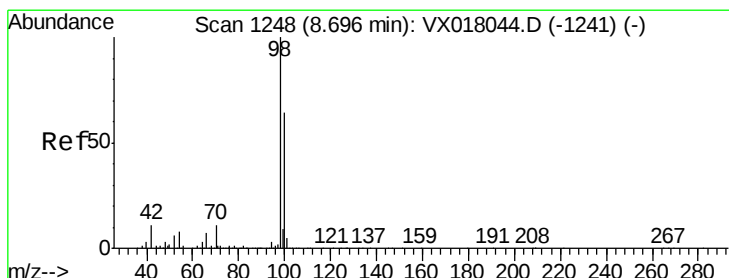
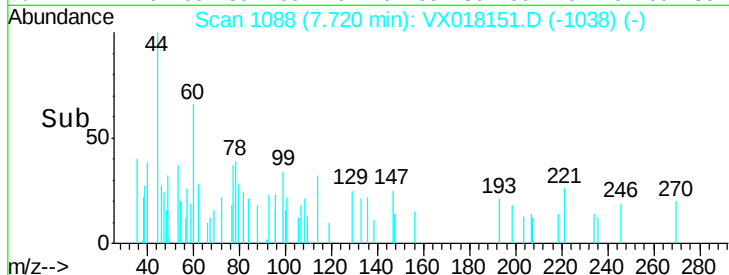
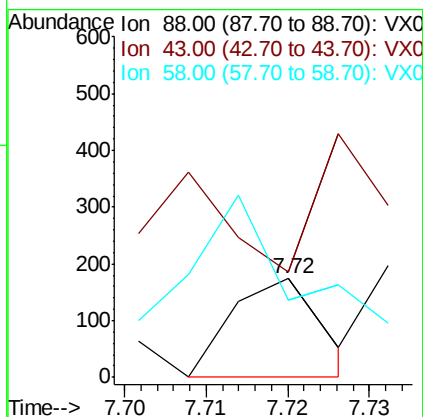
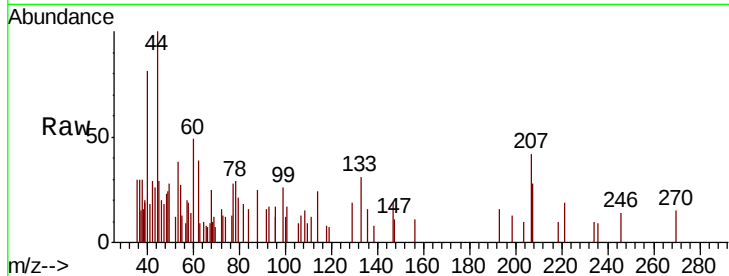
Tot Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 153.8 27.4 41.0#

58 262.9 56.4 84.6#



#50

Toluene-d8

Concen: 47.564 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018151.D

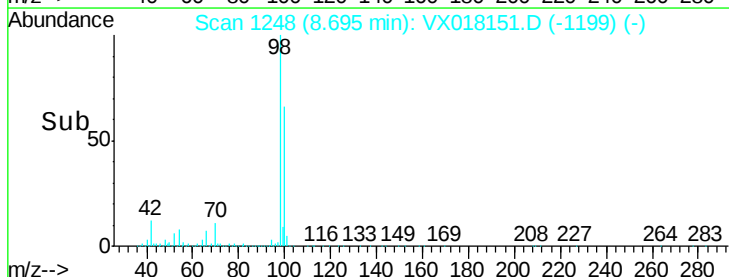
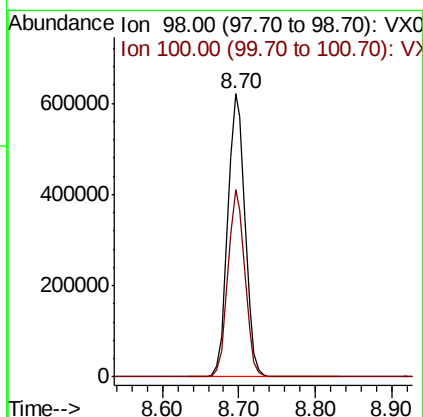
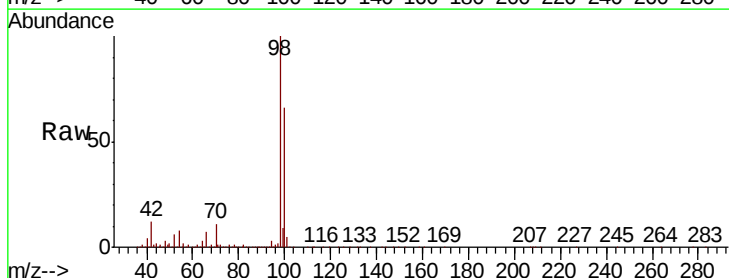
Acq: 31 Aug 2020 16:39

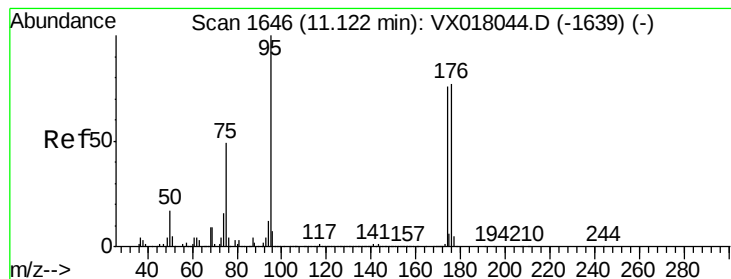
Tgt Ion: 98 Resp: 965485

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.569 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

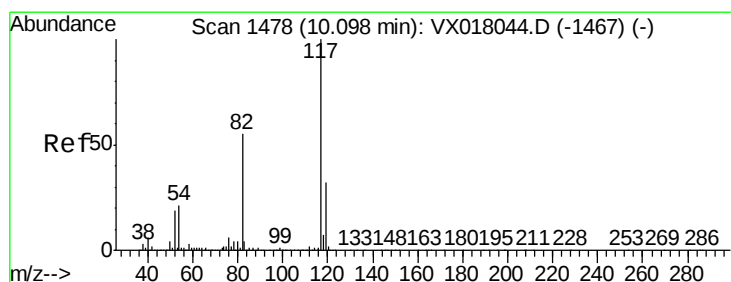
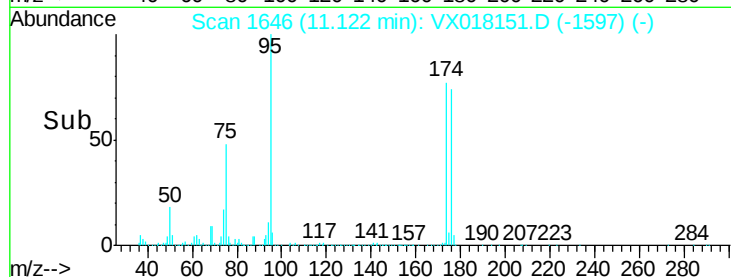
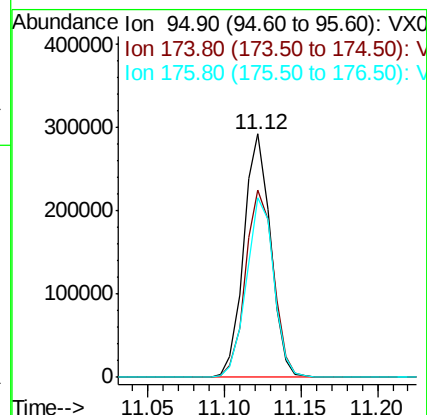
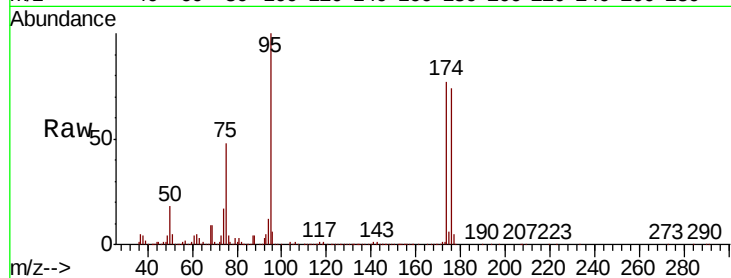
Tot Ion: 95 Resp: 355938

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.2

176 75.2 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: VX018151.D

Acq: 31 Aug 2020 16:39

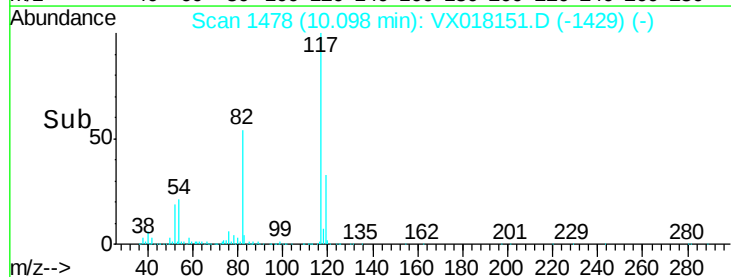
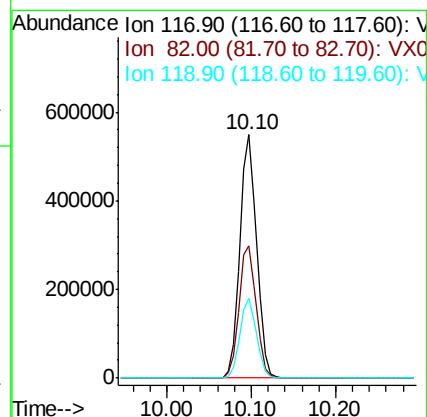
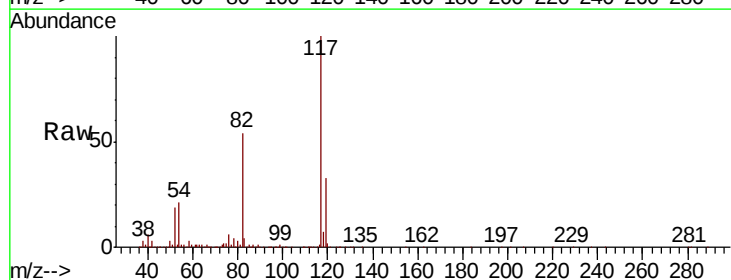
Tgt Ion: 117 Resp: 734634

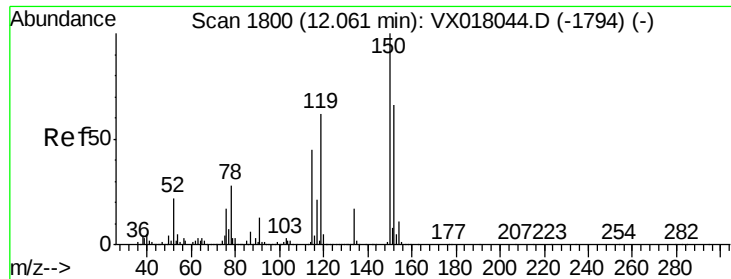
Ion Ratio Lower Upper

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: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

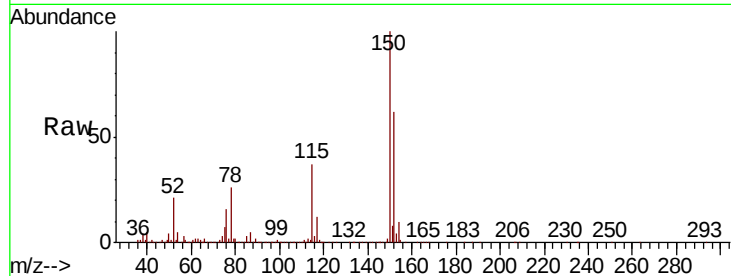
Tot Ion:152 Resp: 357810

Ion Ratio Lower Upper

152 100

115 58.3 41.5 124.5

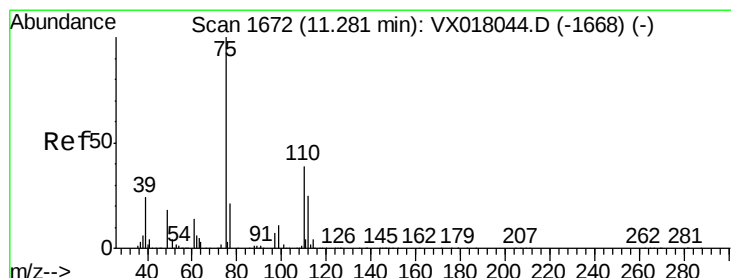
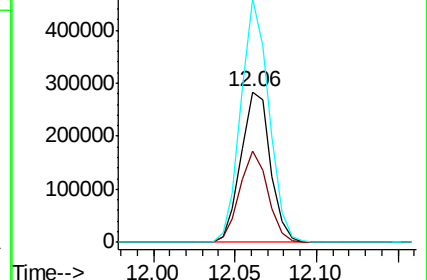
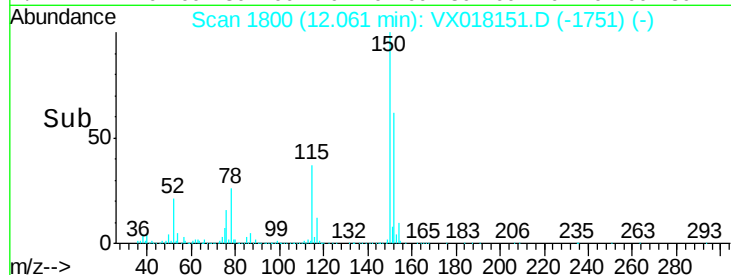
150 153.7 0.0 343.8



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: 22.459 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018151.D

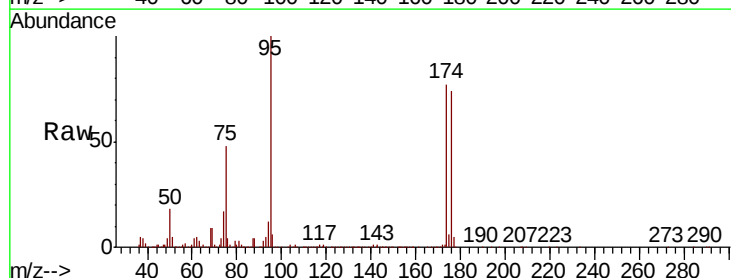
Acq: 31 Aug 2020 16:39

Tgt Ion: 75 Resp: 178766

Ion Ratio Lower Upper

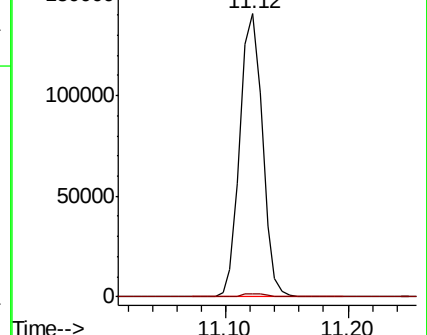
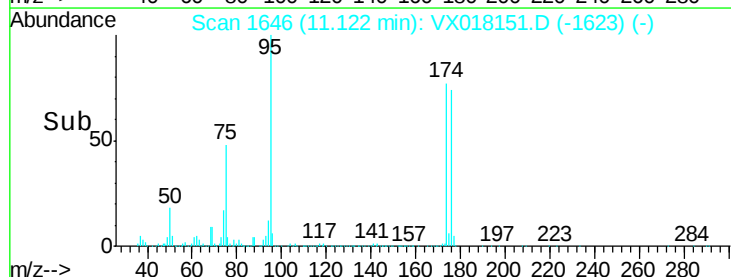
75 100

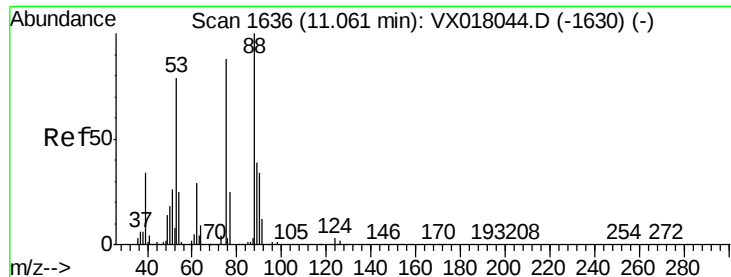
77 1.5 20.8 62.2#



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: 60.658 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018151.D

Acq: 31 Aug 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

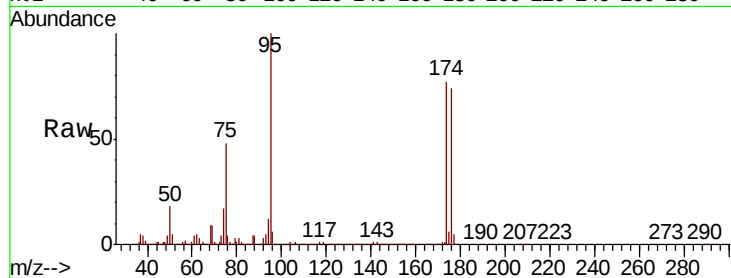
Tot Ion: 75 Resp: 178766

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.6 54.8#



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

