

Data File : VX019631.D
Acq On : 25 Nov 2020 01:59
Operator : JC/MD
Sample : L4835-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

Quant Time: Nov 25 04:11:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	314090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	523326	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	465373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	185409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197553	48.51	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.02%		
35) Dibromofluoromethane	5.46	113	155761	47.42	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.84%		
50) Toluene-d8	8.70	98	625925	49.04	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.08%		
62) 4-Bromofluorobenzene	11.12	95	214360	46.67	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.34%		

Target Compounds

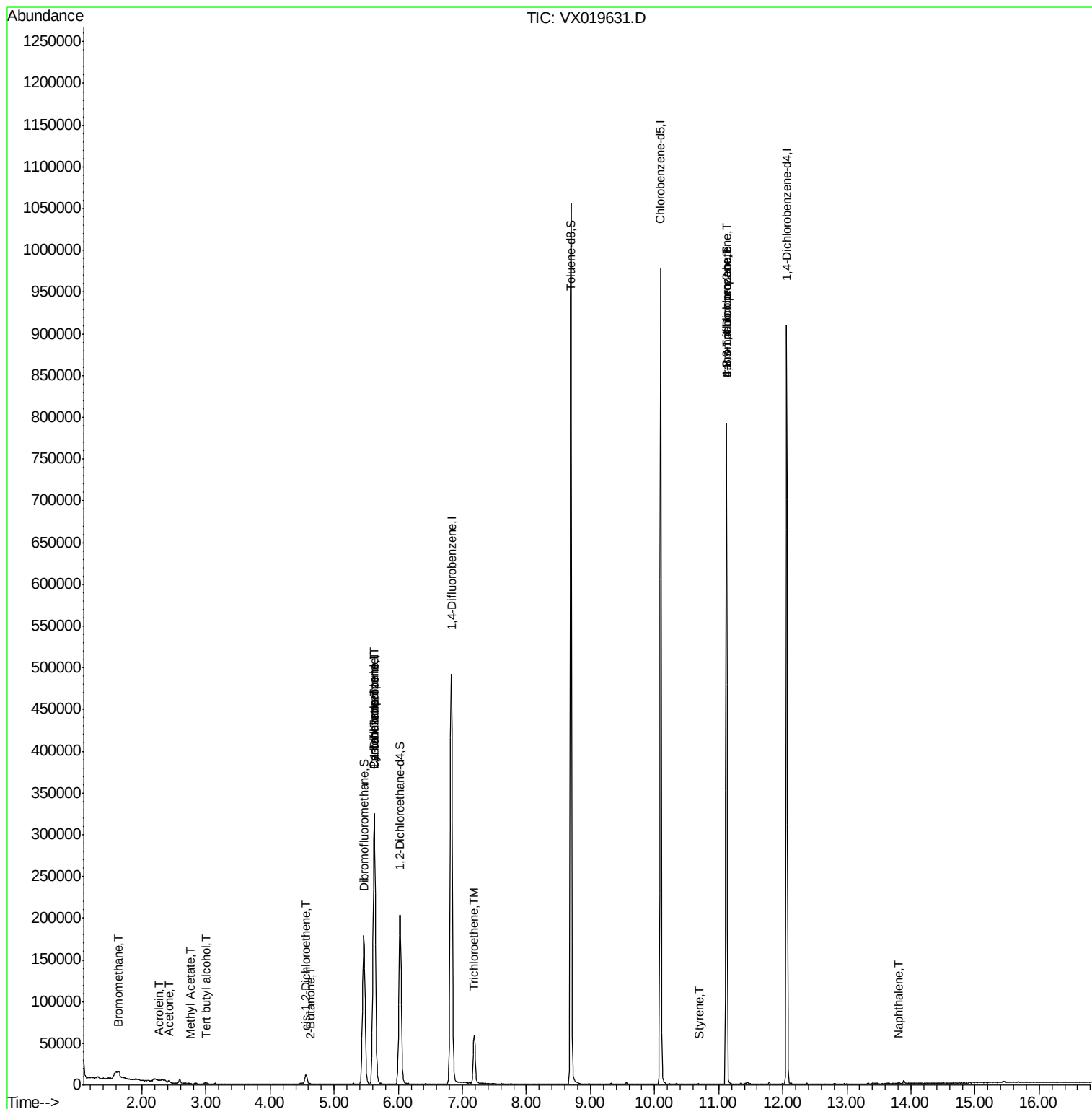
					Qvalue	
5) Bromomethane	1.62	94	683	0.478	ug/l	84
6) Chloroethane	1.68	64	1696	Below Cal	#	41
11) Tert butyl alcohol	3.00	59	1284	1.666	ug/l #	73
13) Acrolein	2.27	56	354	0.683	ug/l	92
16) Acetone	2.42	43	2688	1.707	ug/l	90
18) Methyl Acetate	2.75	43	327	0.718	ug/l #	59
25) 2-Butanone	4.64	43	512	0.216	ug/l #	45
27) cis-1,2-Dichloroethene	4.56	96	7062	1.740	ug/l	91
31) Cyclohexane	5.62	56	6051	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24106	4.913	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32062	6.752	ug/l #	16
44) Trichloroethene	7.18	130	21470	5.437	ug/l	94
70) Styrene	10.70	104	47	1.650	ug/l #	35
76) 1,2,3-Trichloropropane	11.12	75	104524	25.832	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104524	68.097	ug/l #	12
95) Naphthalene	13.81	128	1227	2.264	ug/l	98

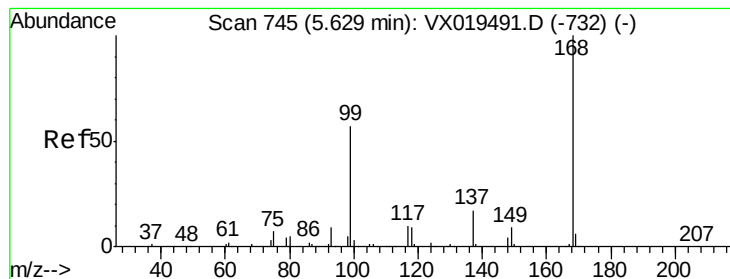
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX019631.D
Acq On : 25 Nov 2020 01:59
Operator : JC/MD
Sample : L4835-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

Quant Time: Nov 25 04:11:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 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: VX019631.D

Acq: 25 Nov 2020 01:59

Instrument :

MSVOA_X

ClientSampleId :

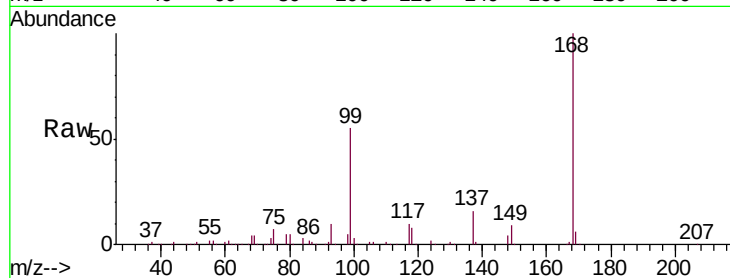
ROOF-DRAIN-20201119

Tgt Ion:168 Resp: 314090

Ion Ratio Lower Upper

168 100

99 55.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

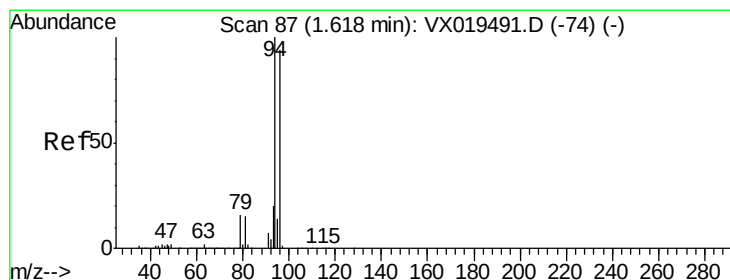
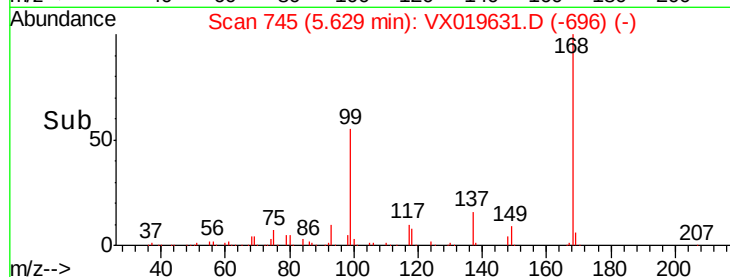
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.478 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019631.D

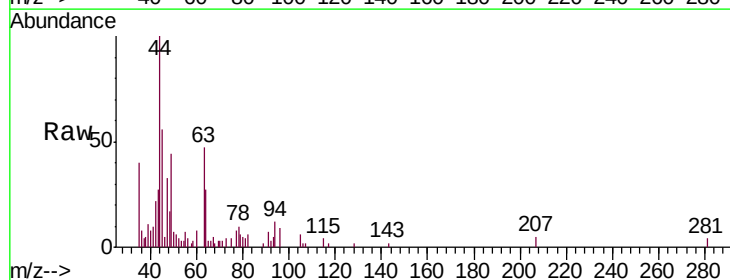
Acq: 25 Nov 2020 01:59

Tgt Ion: 94 Resp: 683

Ion Ratio Lower Upper

94 100

96 79.2 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

300

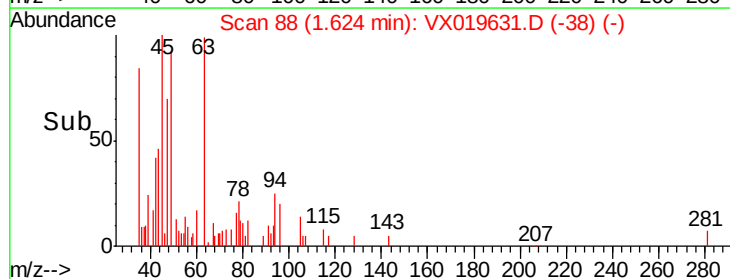
200

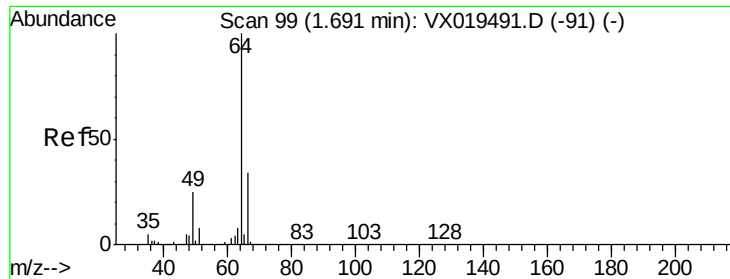
100

0

Time-->

1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 97

Delta R.T. -0.01 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

Instrument :

MSVOA_X

ClientSampleId :

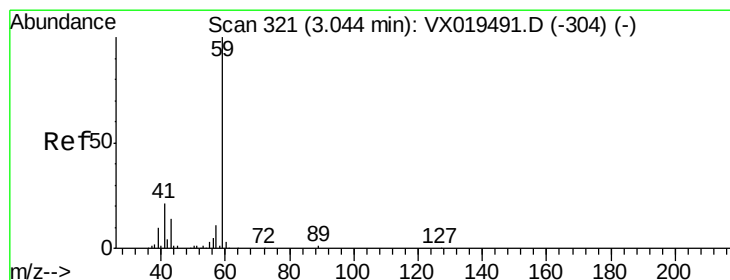
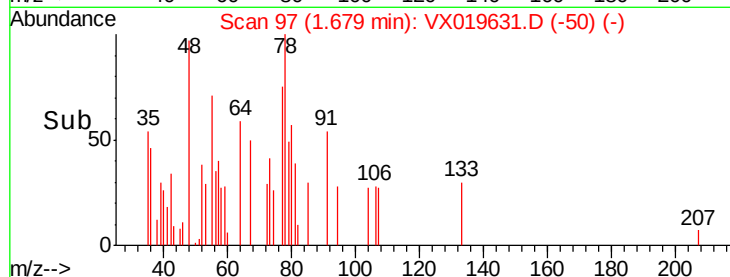
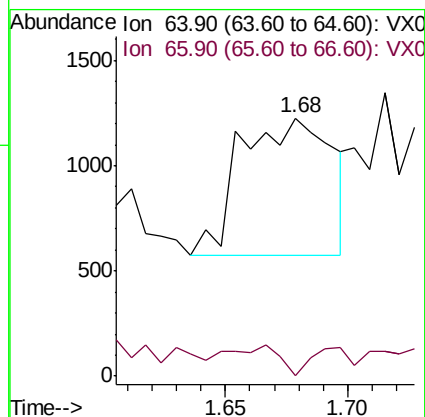
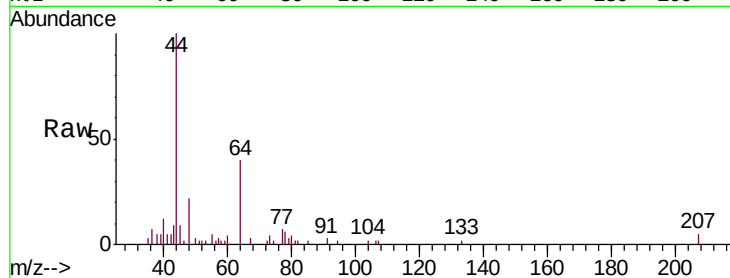
ROOF-DRAIN-20201119

Tgt Ion: 64 Resp: 1696

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



#11

Tert butyl alcohol

Concen: 1.666 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019631.D

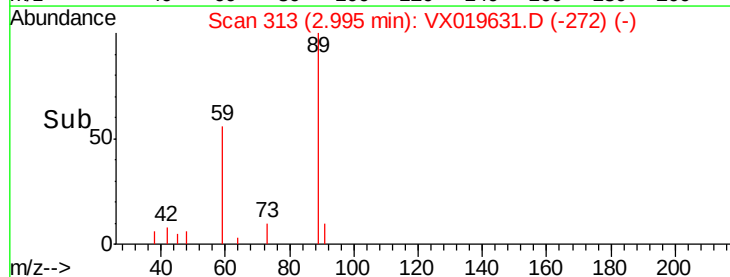
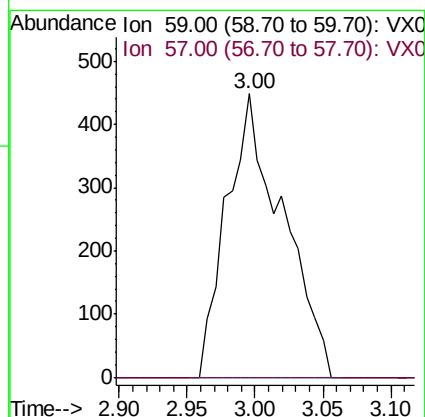
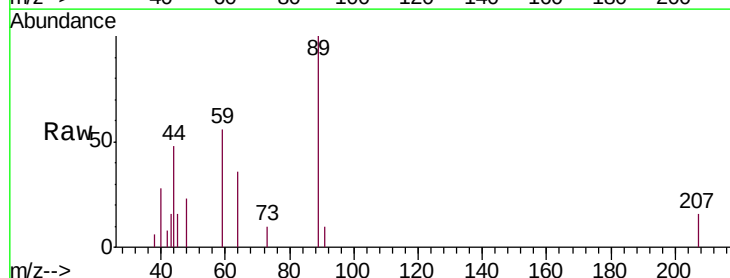
Acq: 25 Nov 2020 01:59

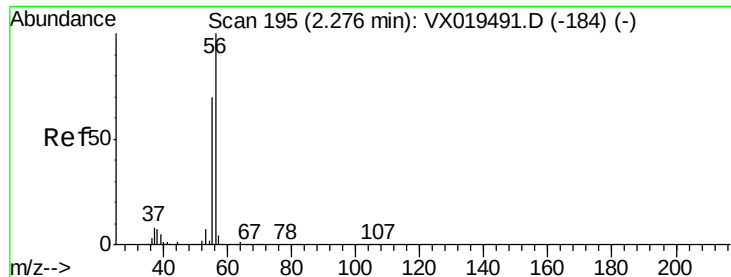
Tgt Ion: 59 Resp: 1284

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.683 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

Instrument :

MSVOA_X

ClientSampleId :

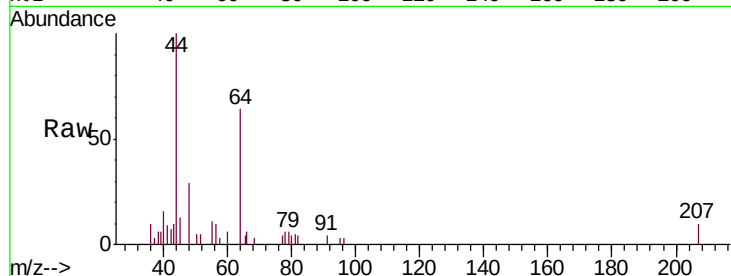
ROOF-DRAIN-20201119

Tgt Ion: 56 Resp: 354

Ion Ratio Lower Upper

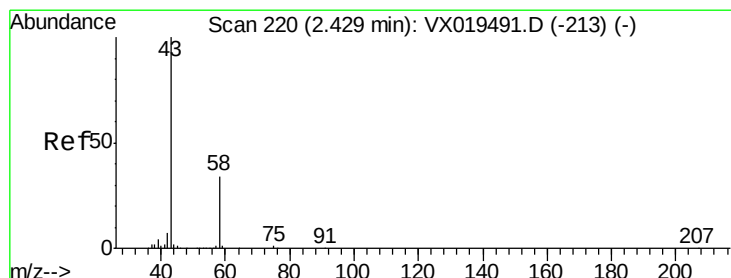
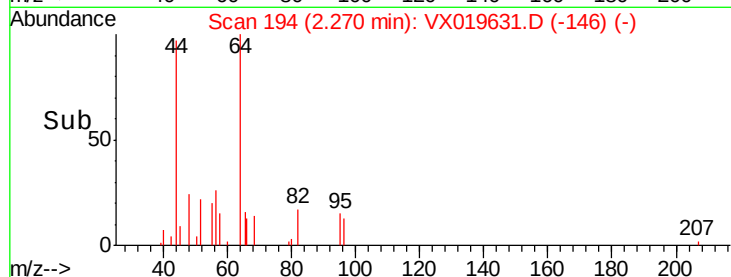
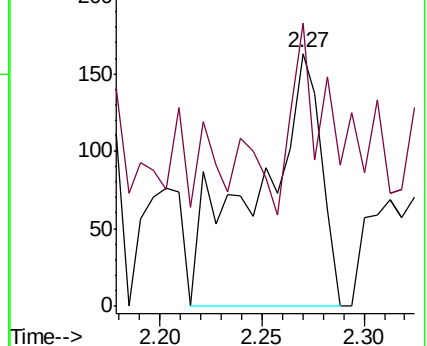
56 100

55 62.7 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.707 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019631.D

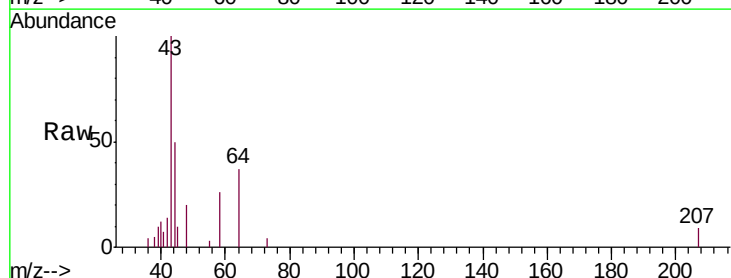
Acq: 25 Nov 2020 01:59

Tgt Ion: 43 Resp: 2688

Ion Ratio Lower Upper

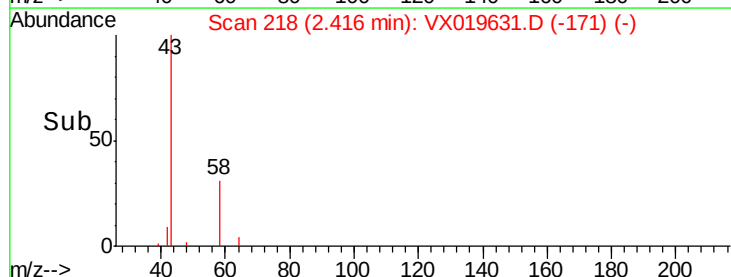
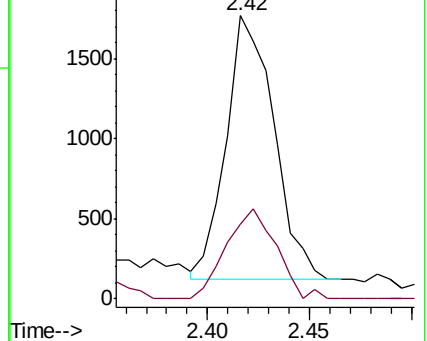
43 100

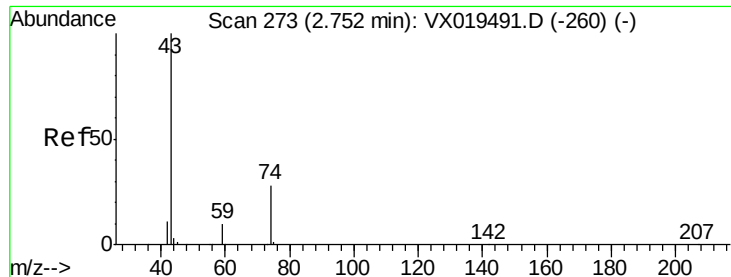
58 28.3 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

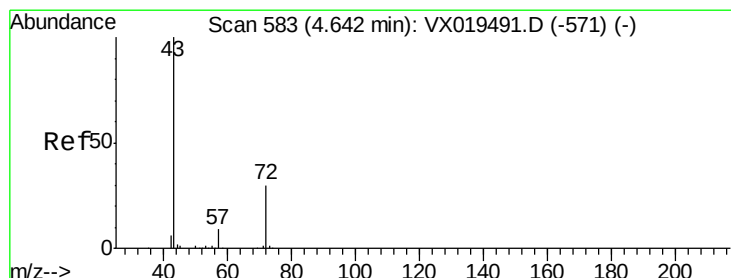
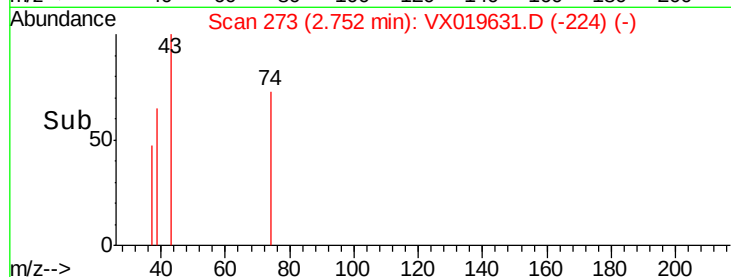
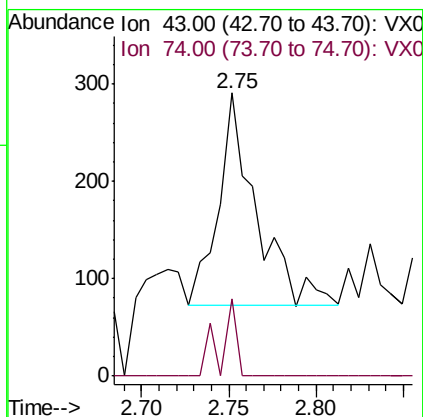
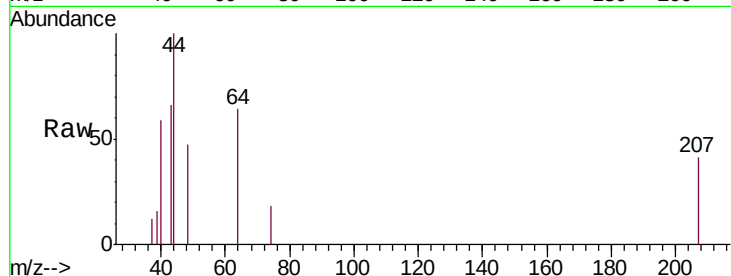




#18
Methyl Acetate
Concen: 0.718 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

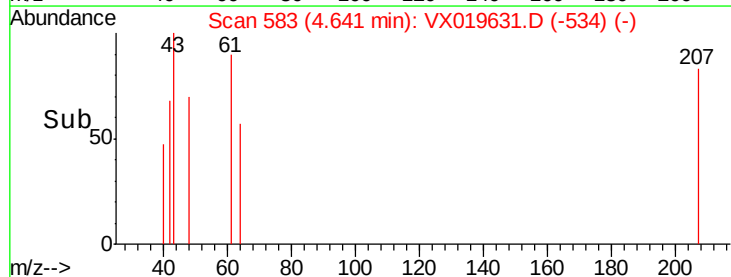
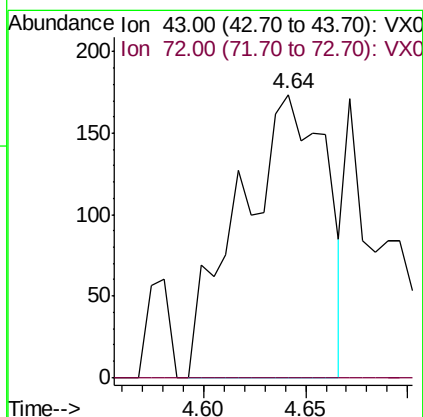
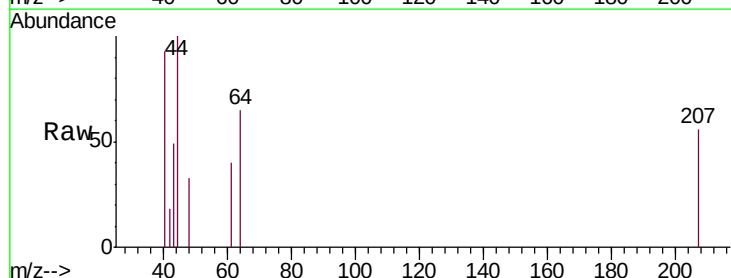
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

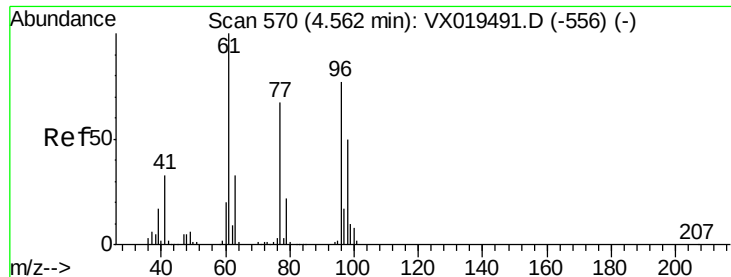
Tgt Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
74 6.1 22.2 33.4#



#25
2-Butanone
Concen: 0.216 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#





#27

cis-1,2-Dichloroethene

Concen: 1.740 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20201119

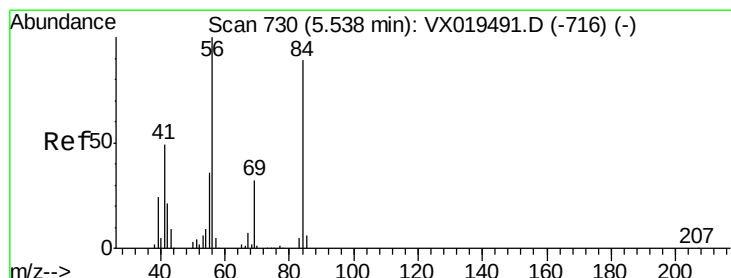
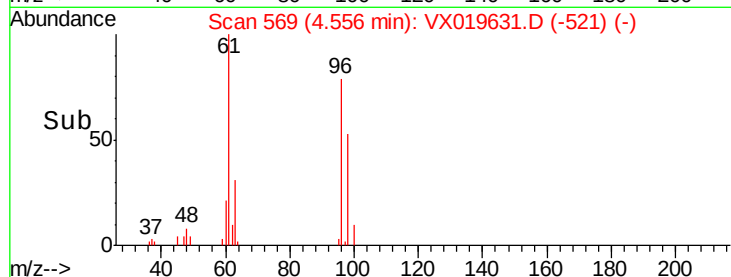
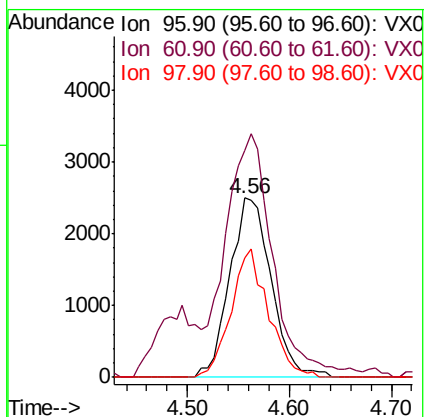
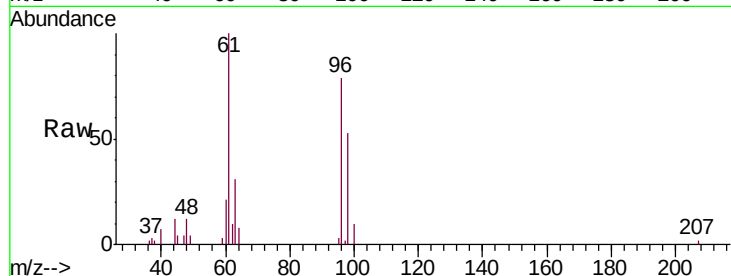
Tgt Ion: 96 Resp: 7062

Ion Ratio Lower Upper

96 100

61 155.4 0.0 279.2

98 64.0 0.0 129.8



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

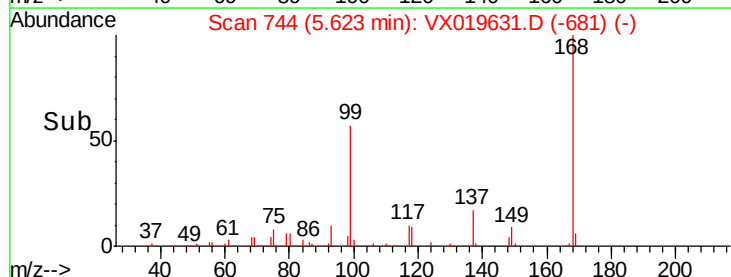
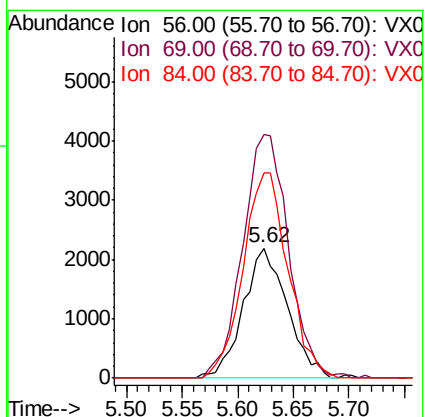
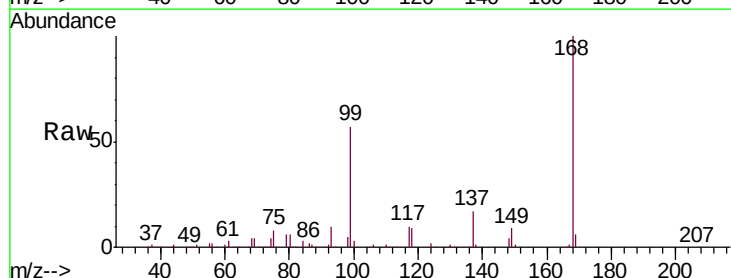
Tgt Ion: 56 Resp: 6051

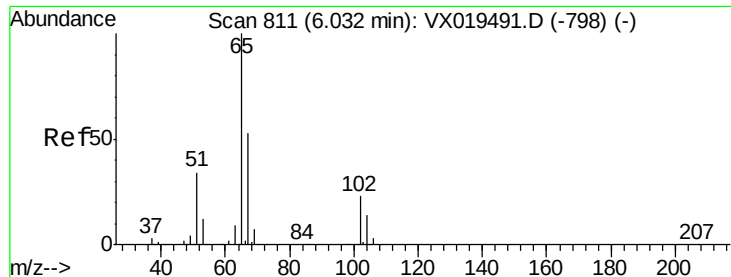
Ion Ratio Lower Upper

56 100

69 187.0 25.5 38.3#

84 158.1 71.1 106.7#

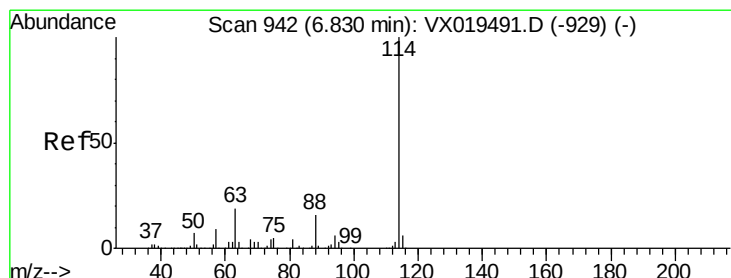
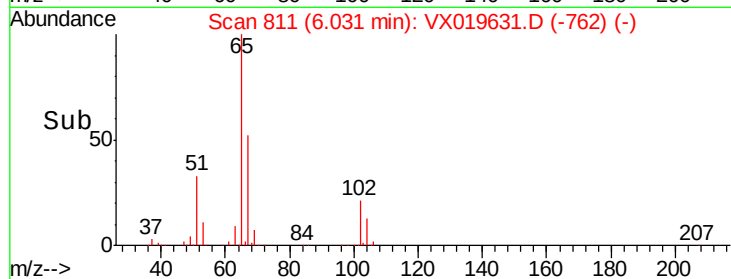
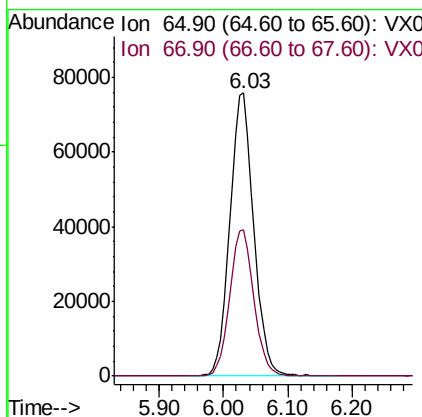
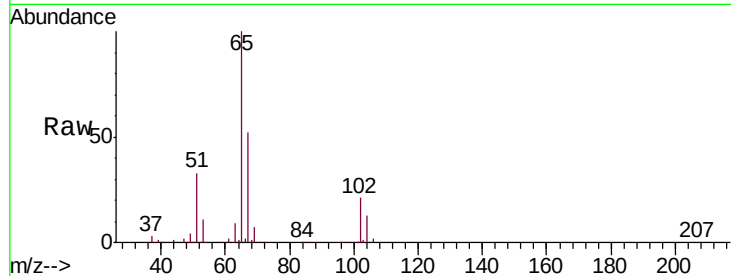




#33
 1,2-Dichloroethane-d4
 Concen: 48.510 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019631.D
 Acq: 25 Nov 2020 01:59

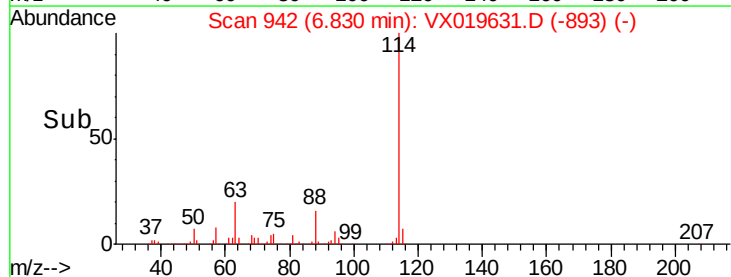
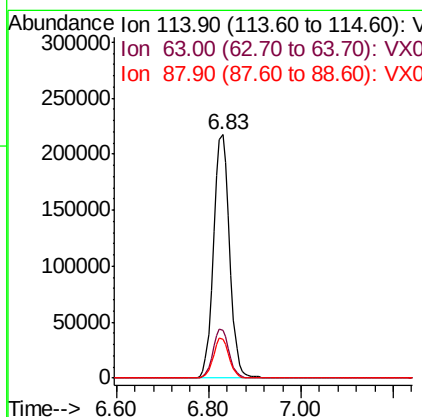
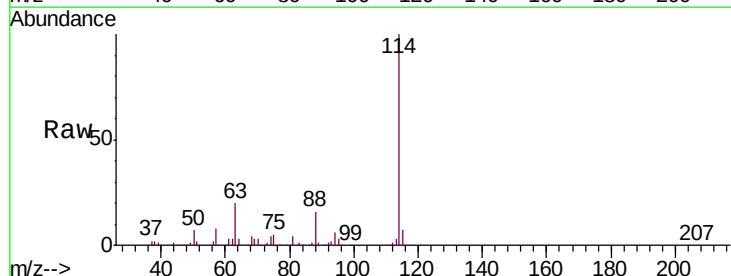
Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20201119

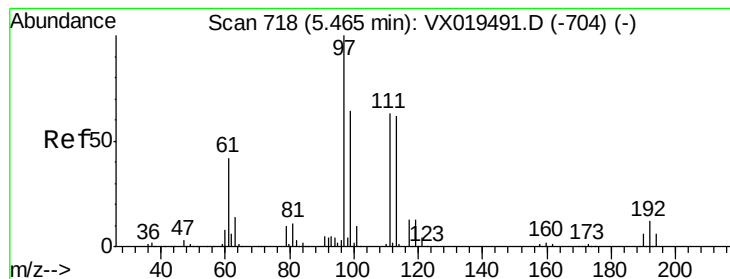
Tgt Ion: 65 Resp: 197553
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019631.D
 Acq: 25 Nov 2020 01:59

Tgt Ion: 114 Resp: 523326
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.8
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.417 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20201119

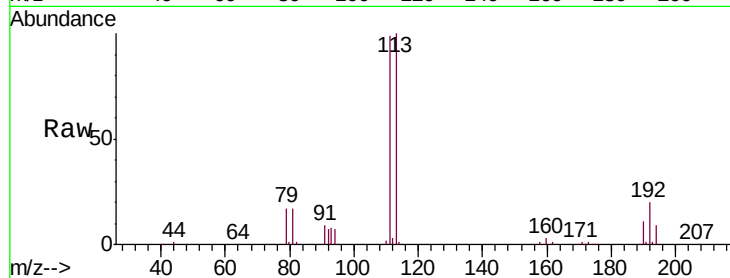
Tgt Ion:113 Resp: 155761

Ion Ratio Lower Upper

113 100

111 103.5 81.5 122.3

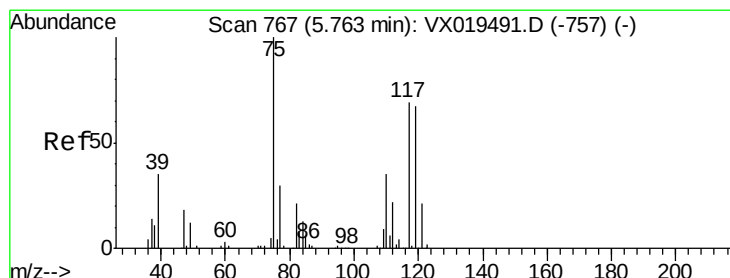
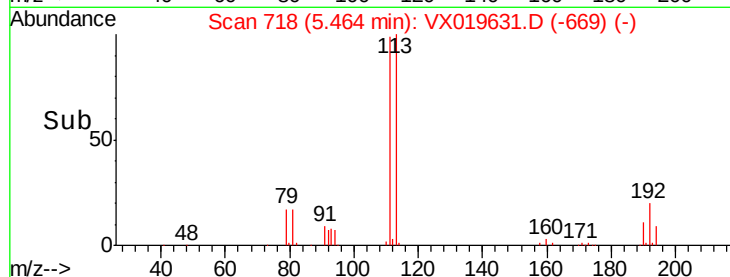
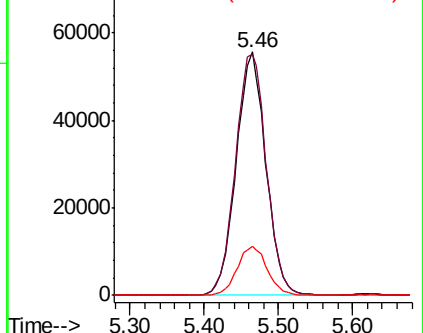
192 20.3 16.2 24.2



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: 4.913 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

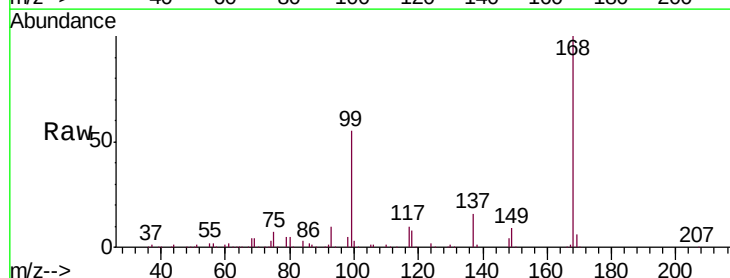
Tgt Ion: 75 Resp: 24106

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

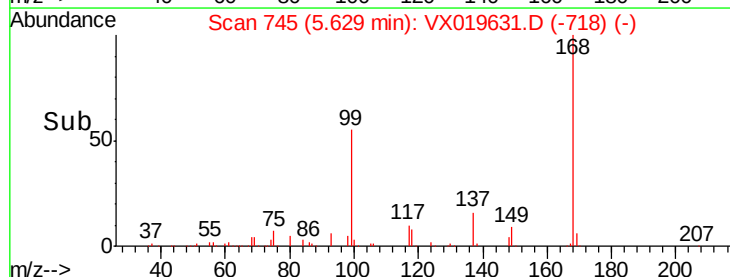
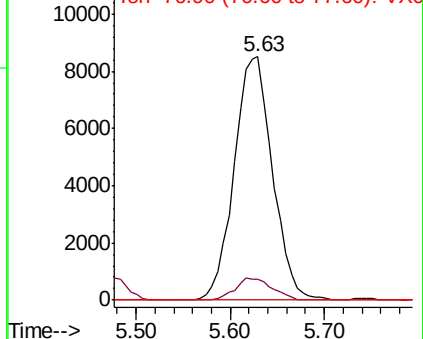
77 0.0 24.2 36.4#

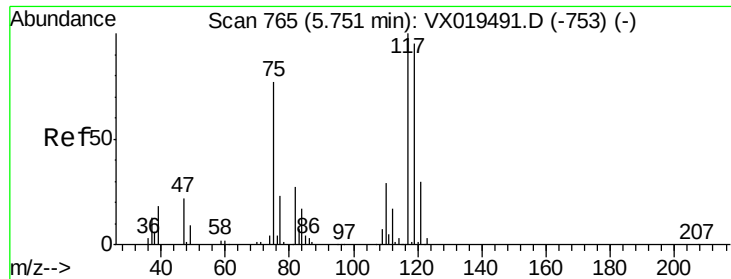


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

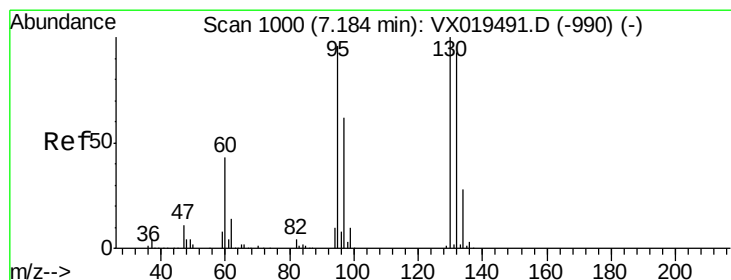
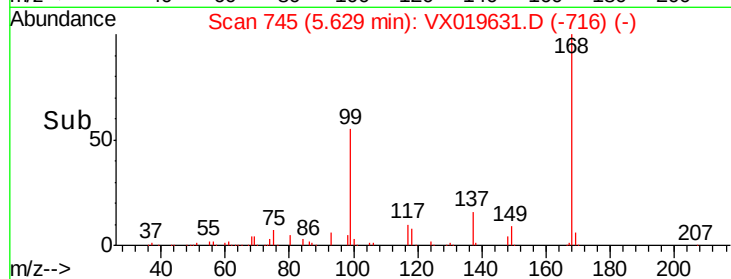
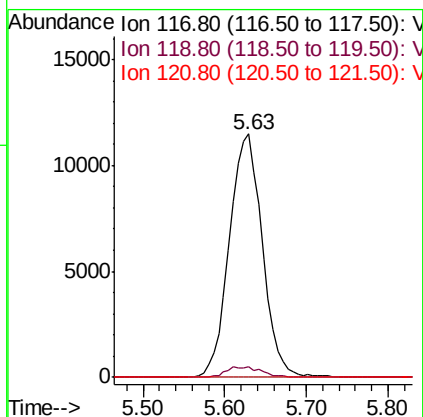
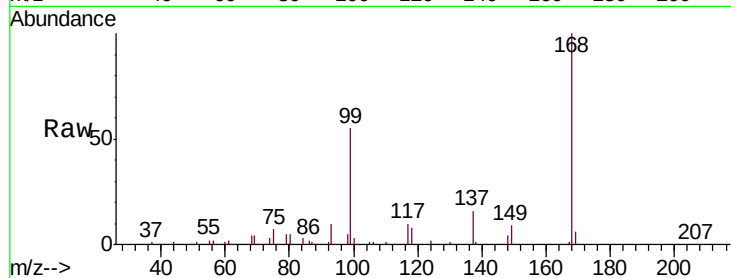




#38
Carbon Tetrachloride
Concen: 6.752 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

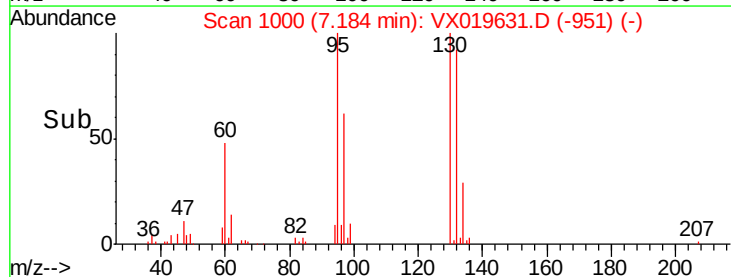
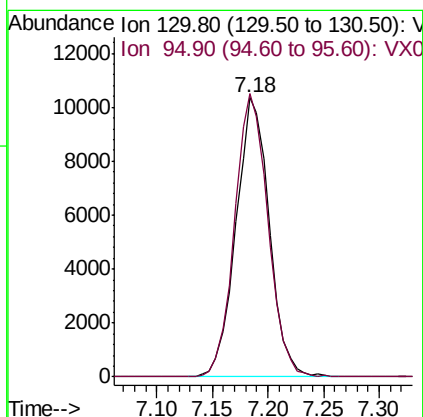
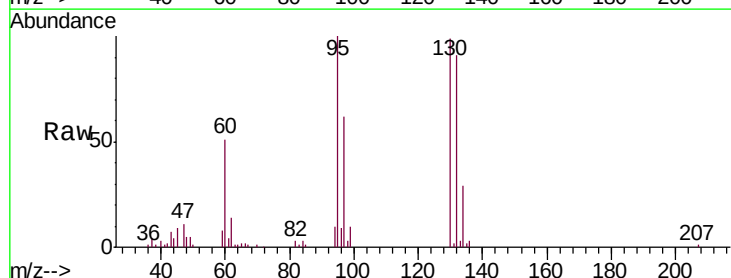
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

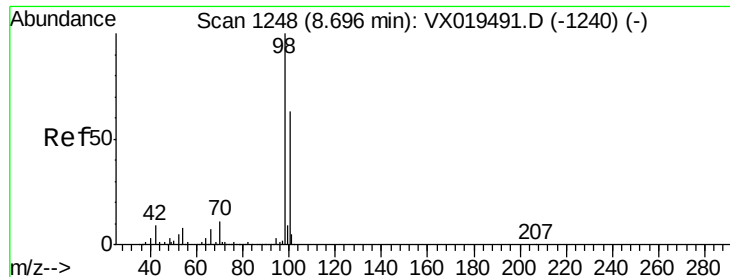
Tgt Ion:117 Resp: 32062
Ion Ratio Lower Upper
117 100
119 4.2 75.9 113.9#
121 0.0 24.0 36.0#



#44
Trichloroethene
Concen: 5.437 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

Tgt Ion:130 Resp: 21470
Ion Ratio Lower Upper
130 100
95 101.3 0.0 191.2





#50

Toluene-d8

Concen: 49.035 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

Instrument :

MSVOA_X

ClientSampleId :

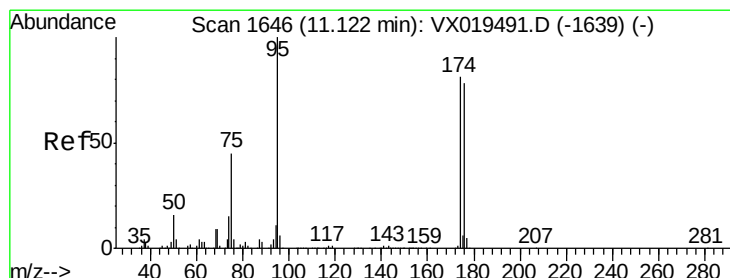
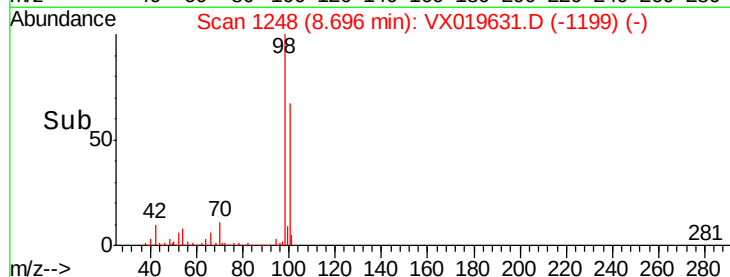
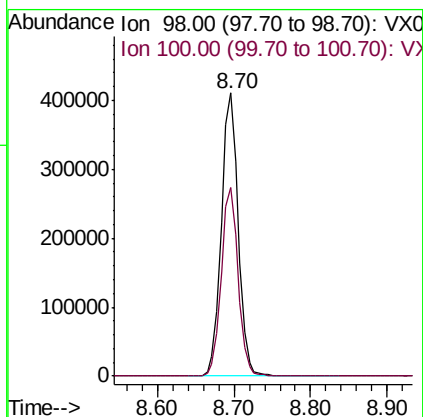
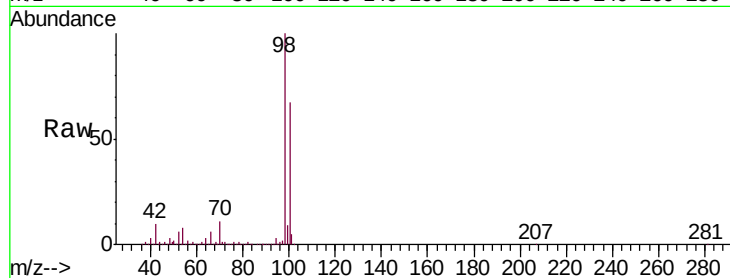
ROOF-DRAIN-20201119

Tgt Ion: 98 Resp: 625925

Ion Ratio Lower Upper

98 100

100 66.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.675 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

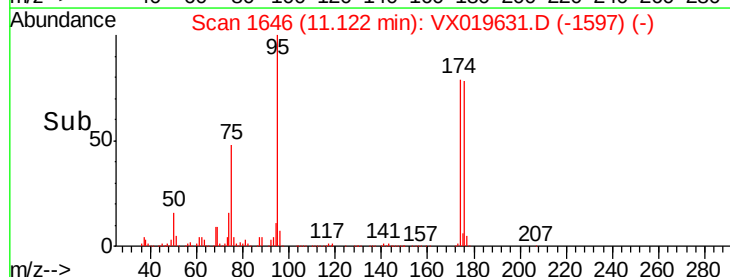
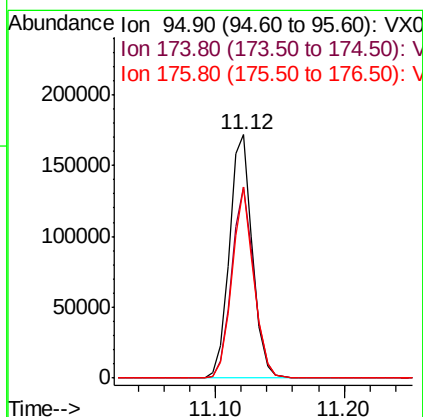
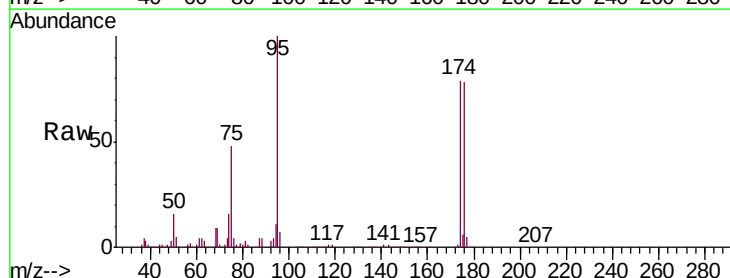
Tgt Ion: 95 Resp: 214360

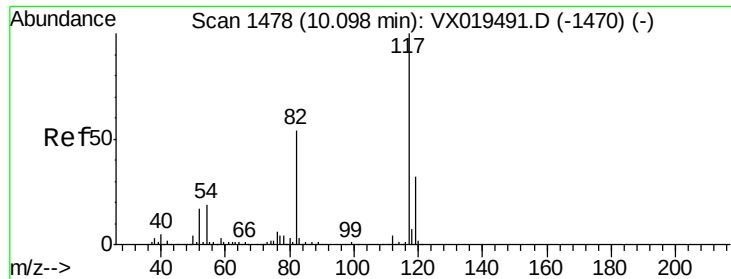
Ion Ratio Lower Upper

95 100

174 76.9 0.0 156.2

176 74.0 0.0 151.4

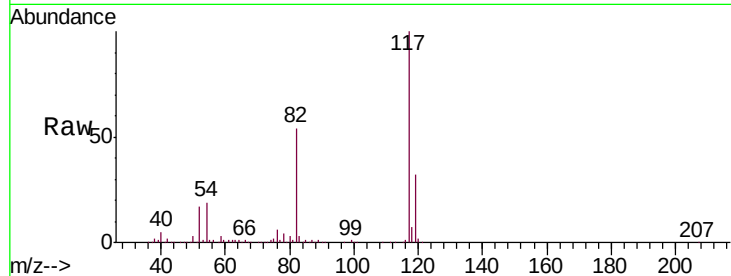




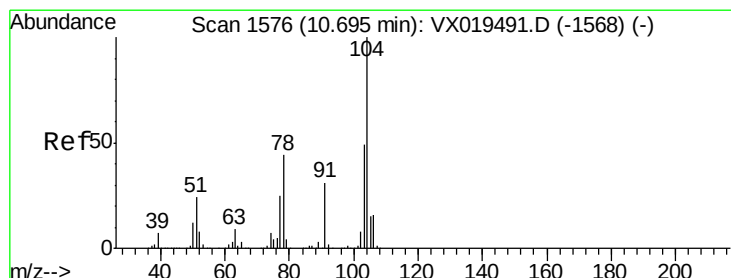
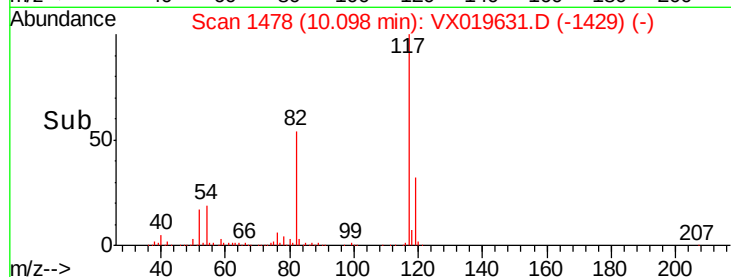
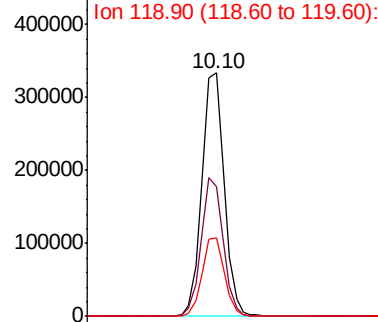
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

Tgt Ion:117 Resp: 465373
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.1 25.6 38.4

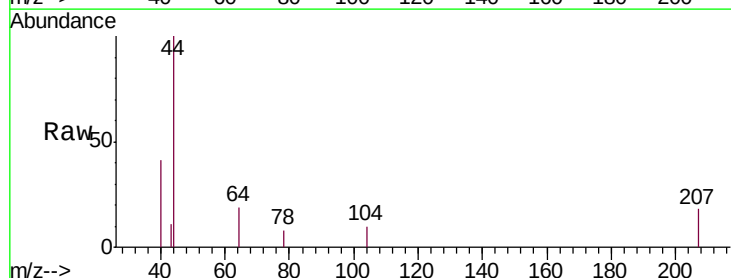


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

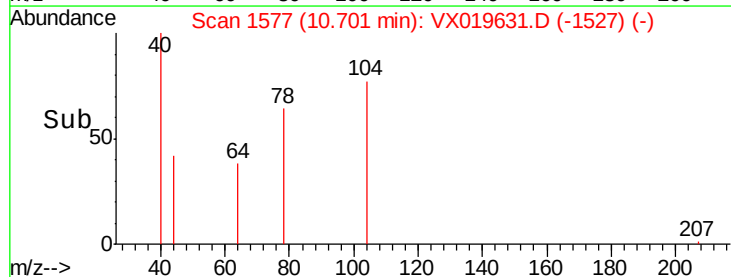
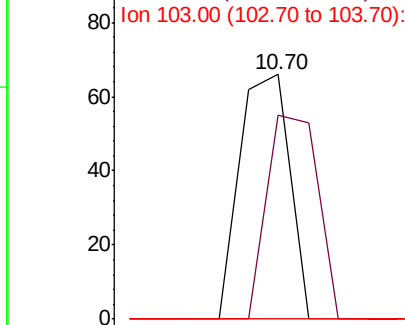


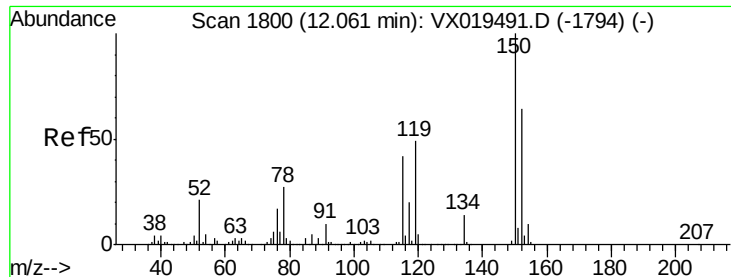
#70
Styrene
Concen: 1.650 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

Tgt Ion:104 Resp: 47
Ion Ratio Lower Upper
104 100
78 85.1 39.5 59.3#
103 0.0 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019631.D

Acq: 25 Nov 2020 01:59

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20201119

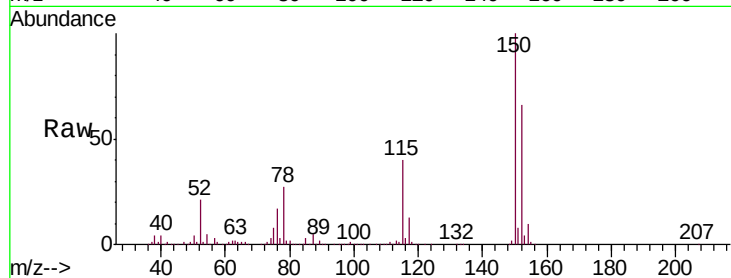
Tgt Ion:152 Resp: 185409

Ion Ratio Lower Upper

152 100

115 61.3 41.8 125.4

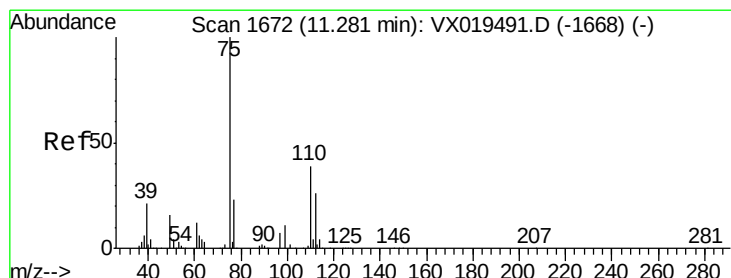
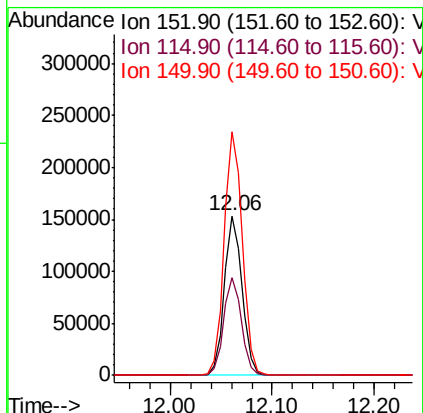
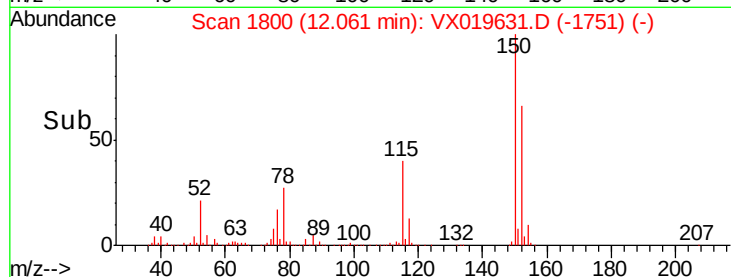
150 156.4 0.0 348.2



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: 25.832 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019631.D

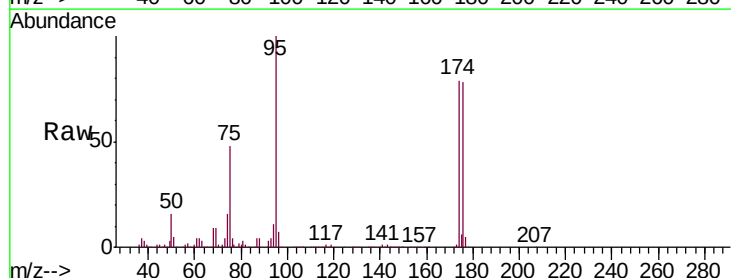
Acq: 25 Nov 2020 01:59

Tgt Ion: 75 Resp: 104524

Ion Ratio Lower Upper

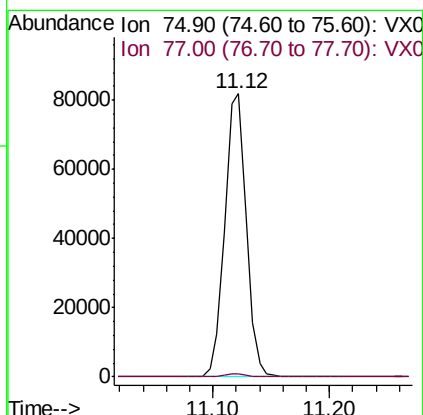
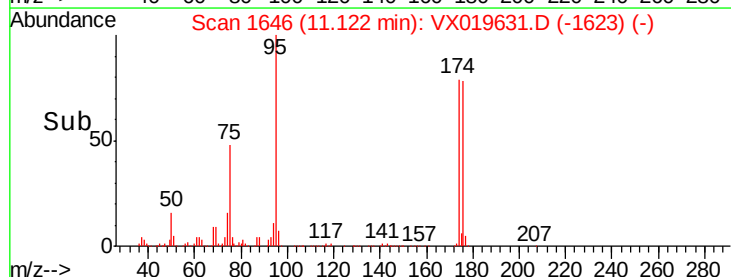
75 100

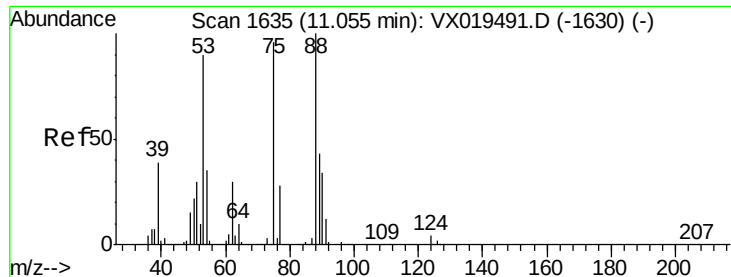
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

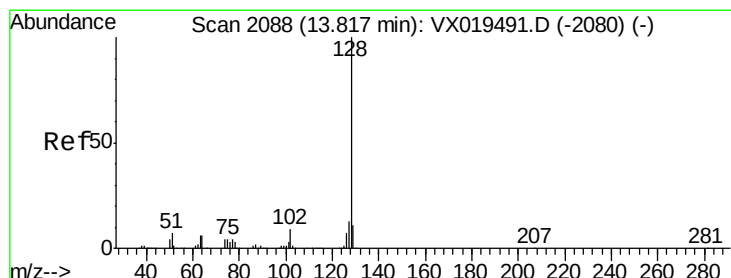
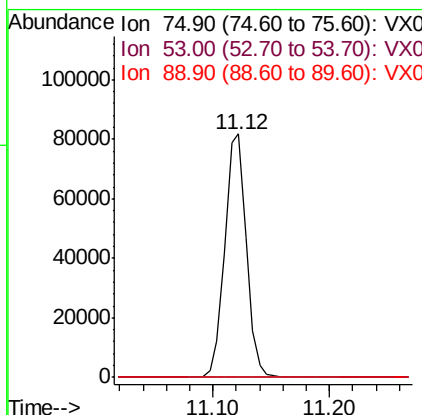
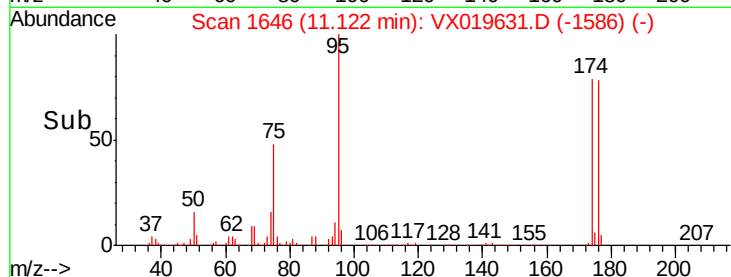
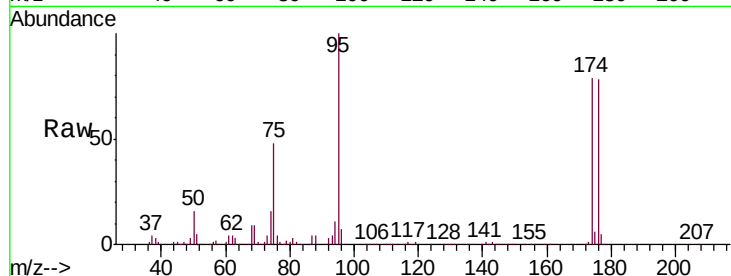




#81
trans-1,4-Dichloro-2-butene
Concen: 68.097 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

Tgt Ion: 75 Resp: 104524
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.264 ug/l
RT: 13.81 min Scan# 2087
Delta R.T. -0.01 min
Lab File: VX019631.D
Acq: 25 Nov 2020 01:59

Tgt Ion: 128 Resp: 1227
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 10.7 8.7 13.1

