

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018128.D
 Acq On : 28 Aug 2020 18:11
 Operator : JC/SP
 Sample : L3831-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20200827

Quant Time: Aug 29 03:07:56 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	527199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	868389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	835097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	382717	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	364631	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	5.47	113	294303	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	8.70	98	1069142	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.12	95	396527	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

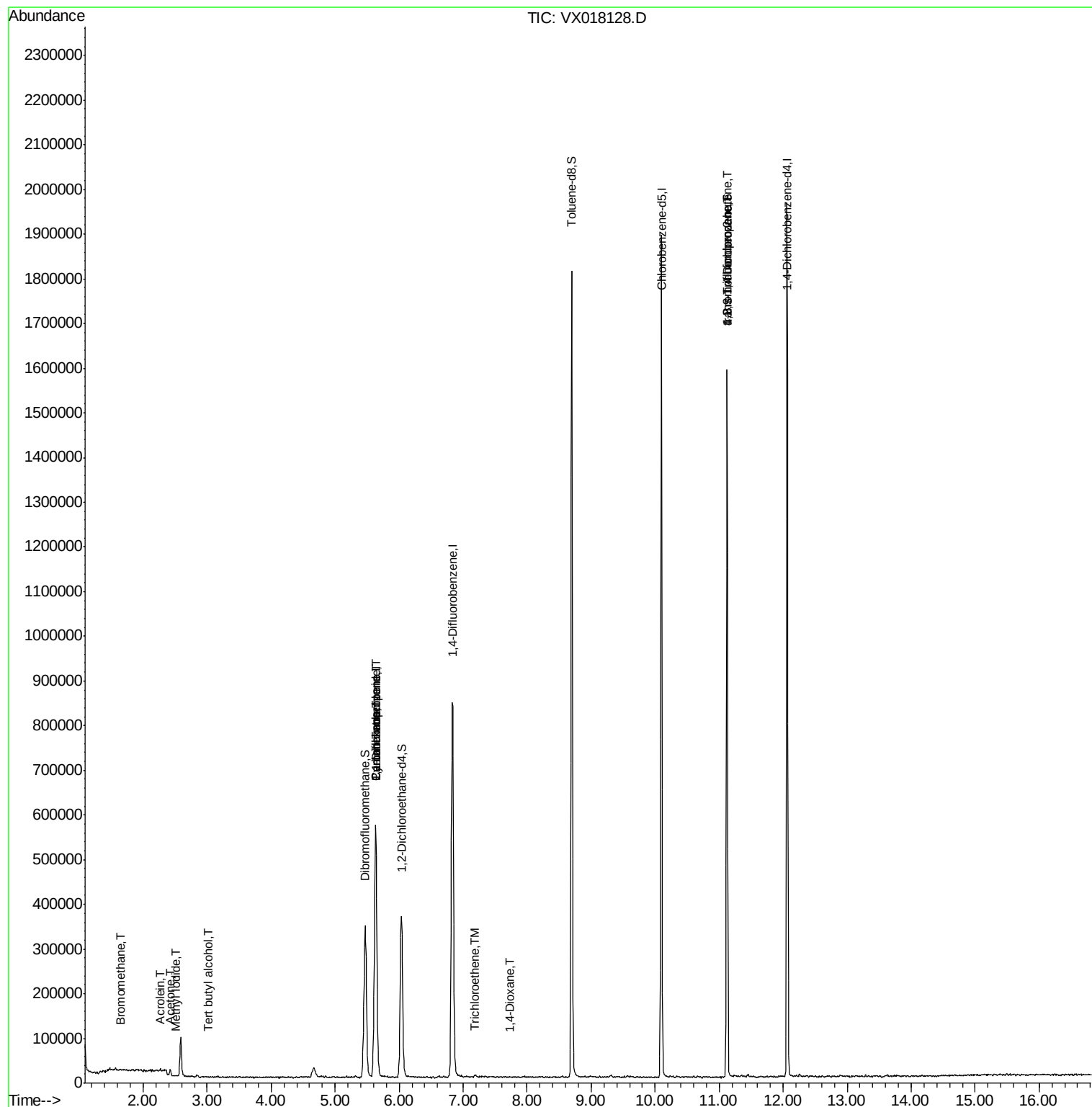
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	786	0.242	ug/l #	26
10) Methyl Iodide	2.50	142	86	5.301	ug/l #	15
11) Tert butyl alcohol	3.01	59	1266	0.890	ug/l	99
13) Acrolein	2.27	56	850	1.441	ug/l #	54
16) Acetone	2.42	43	15372	5.390	ug/l	98
20) Methylene Chloride	2.84	84	2235	Below Cal	#	90
31) Cyclohexane	5.63	56	11109	1.268	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	40685	5.080	ug/l #	52
38) Carbon Tetrachloride	5.63	117	54979	6.091	ug/l #	16
44) Trichloroethene	7.17	130	1627	0.245	ug/l	97
49) 1,4-Dioxane	7.73	88	239	1.764	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	199081	23.384	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	199081	63.155	ug/l #	12

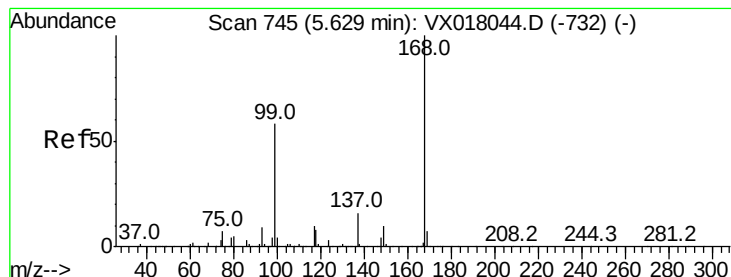
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

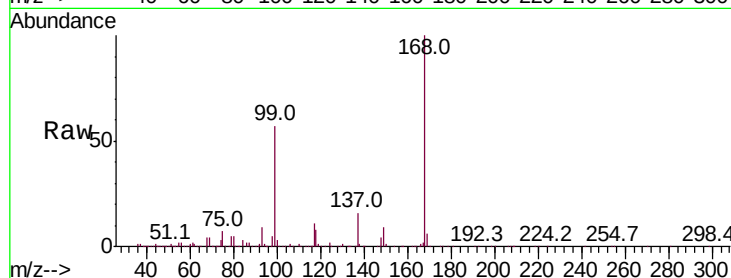
ROOF-DRAIN-20200827

Tot Ion:168 Resp: 527199

Ion Ratio Lower Upper

168 100

99 56.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

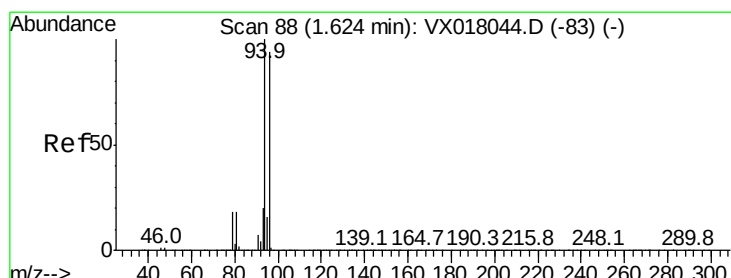
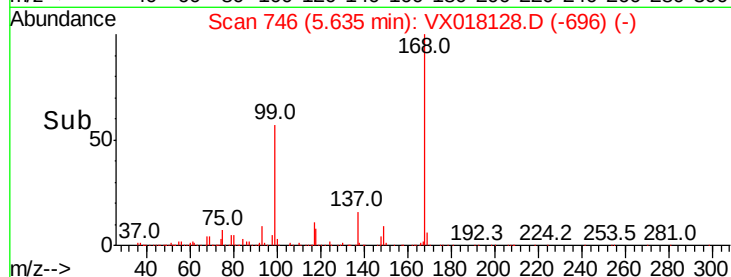
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.242 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018128.D

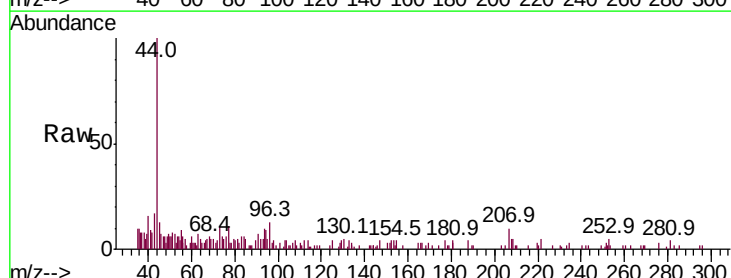
Acq: 28 Aug 2020 18:11

Tgt Ion: 94 Resp: 786

Ion Ratio Lower Upper

94 100

96 22.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

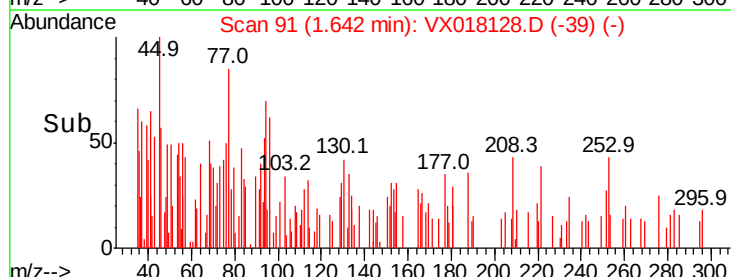
600

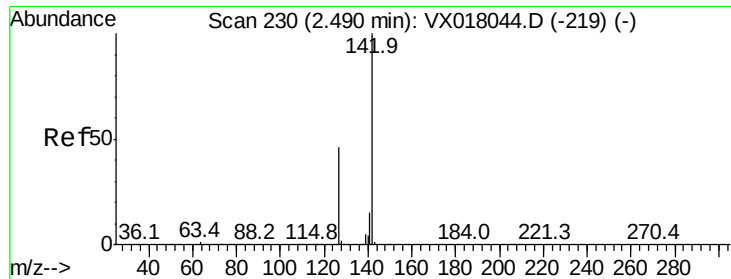
400

200

0

Time-->

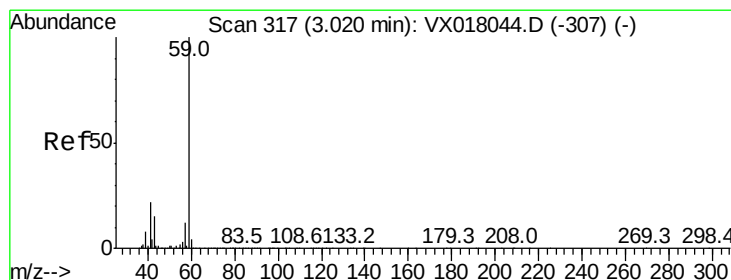
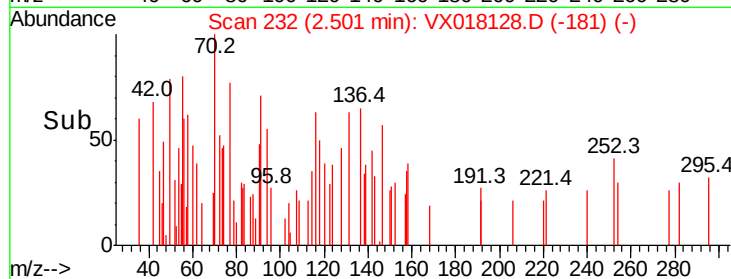
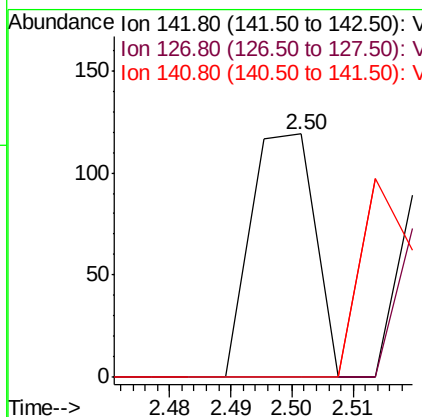
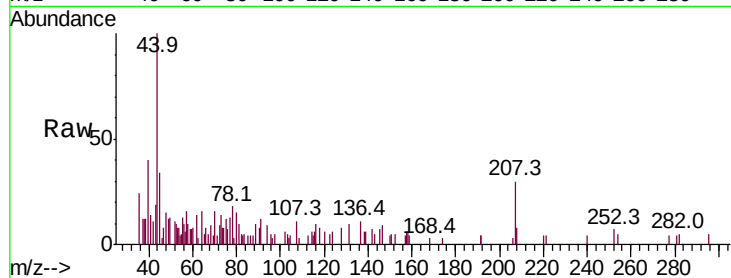




#10
Methyl Iodide
Concen: 5.301 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018128.D
Acq: 28 Aug 2020 18:11

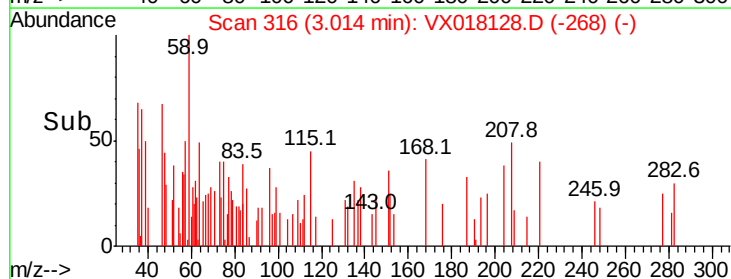
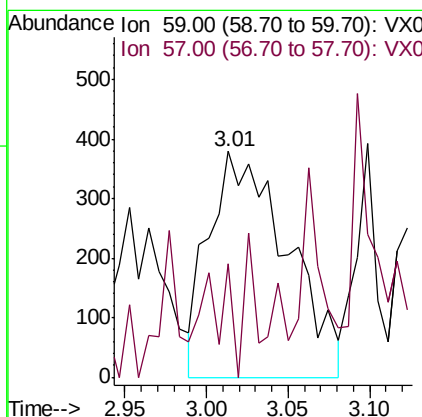
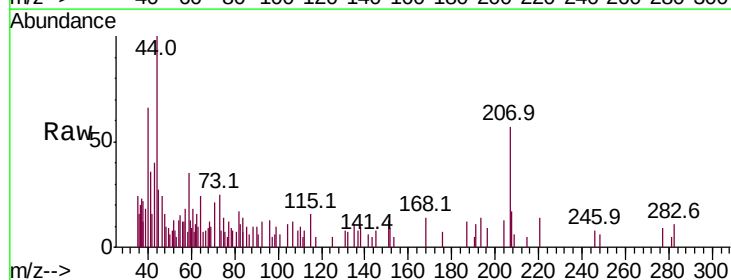
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200827

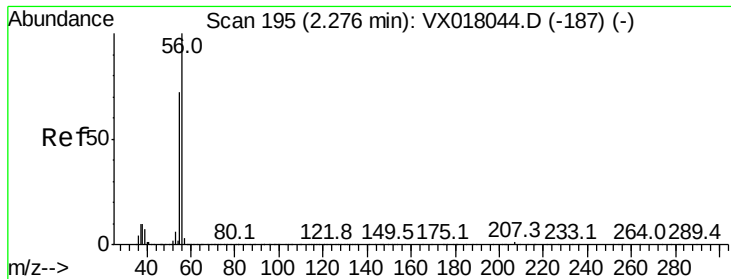
Tot Ion:142 Resp: 86
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 68.6 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.890 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018128.D
Acq: 28 Aug 2020 18:11

Tgt Ion: 59 Resp: 1266
Ion Ratio Lower Upper
59 100
57 10.7 8.9 13.3

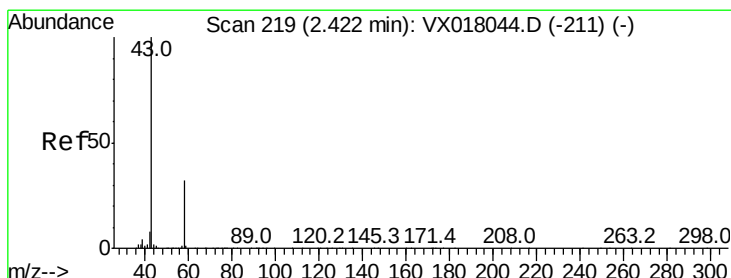
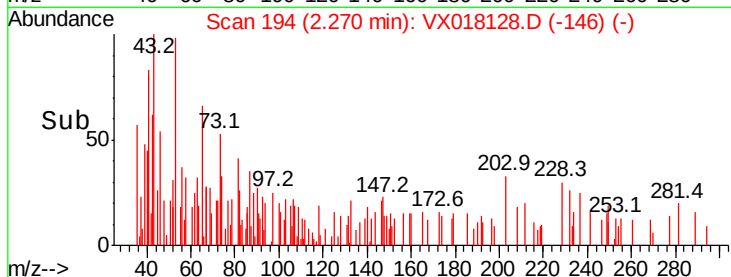
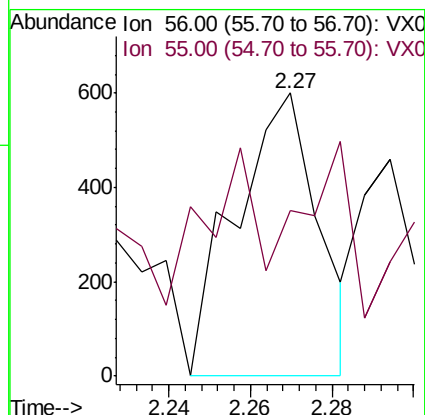
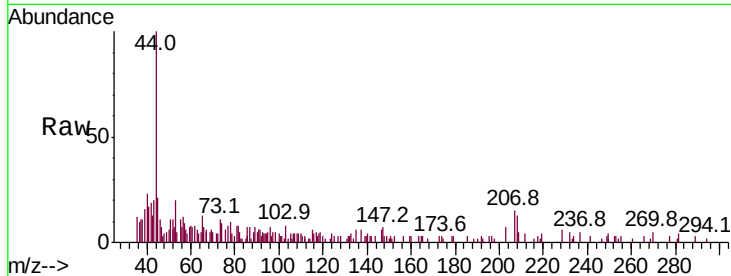




#13
Acrolein
Concen: 1.441 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018128.D
Acq: 28 Aug 2020 18:11

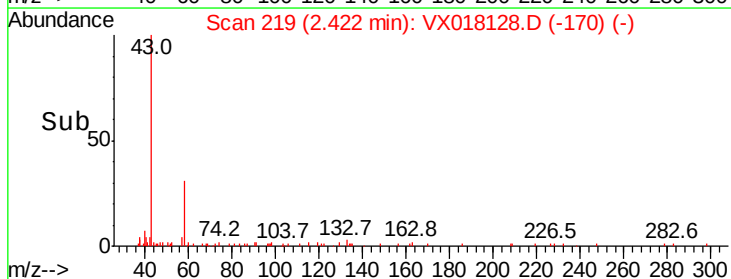
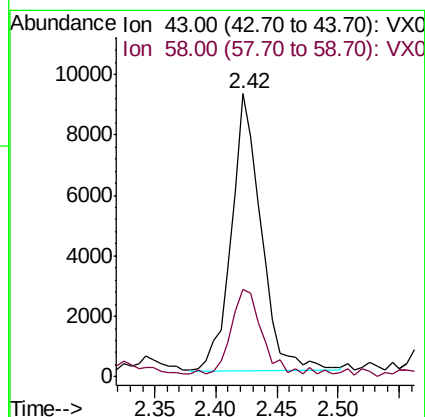
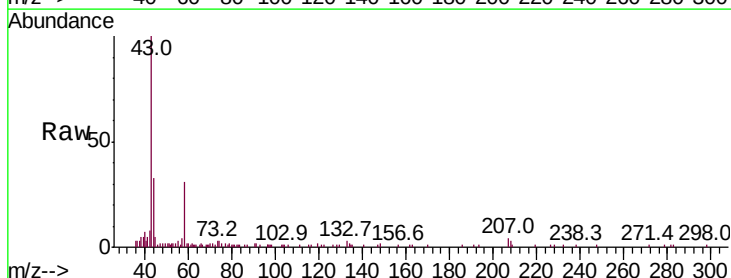
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200827

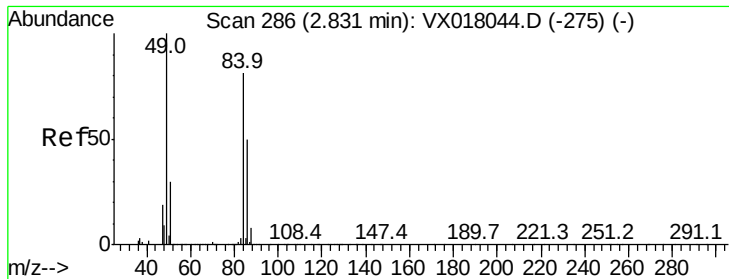
Tot Ion: 56 Resp: 850
Ion Ratio Lower Upper
56 100
55 32.8 57.0 85.6#



#16
Acetone
Concen: 5.390 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018128.D
Acq: 28 Aug 2020 18:11

Tgt Ion: 43 Resp: 15372
Ion Ratio Lower Upper
43 100
58 30.6 25.5 38.3

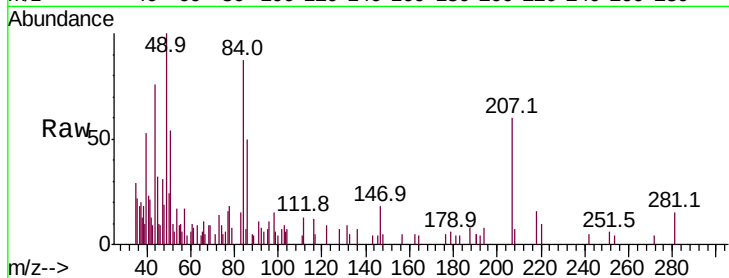




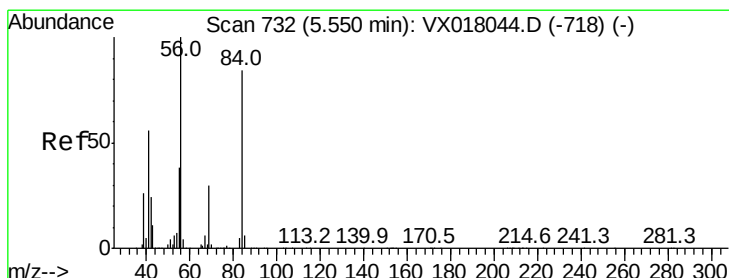
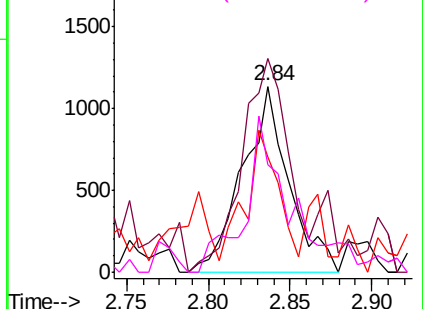
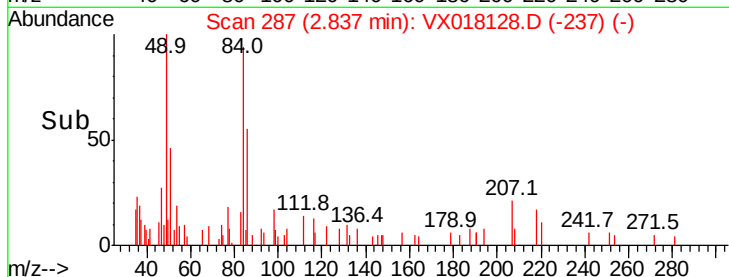
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018128.D
Acq: 28 Aug 2020 18:11

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200827

Tot Ion:	84	Resp:	2235
Ion	Ratio	Lower	Upper
84	100		
49	114.9	98.6	148.0
51	53.9	29.6	44.4#
86	57.9	49.8	74.6

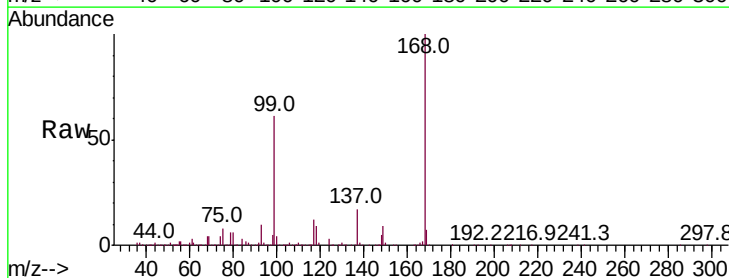


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

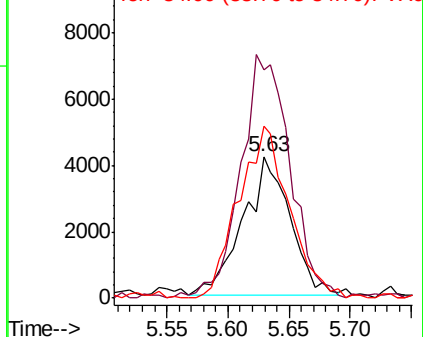
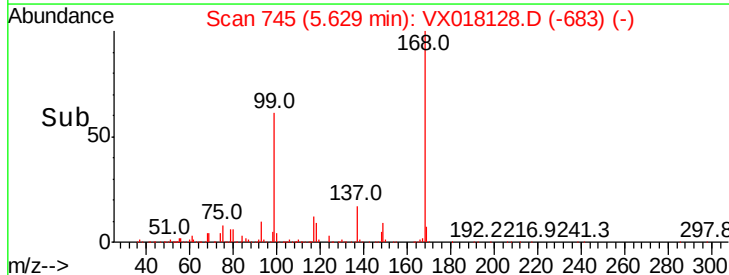


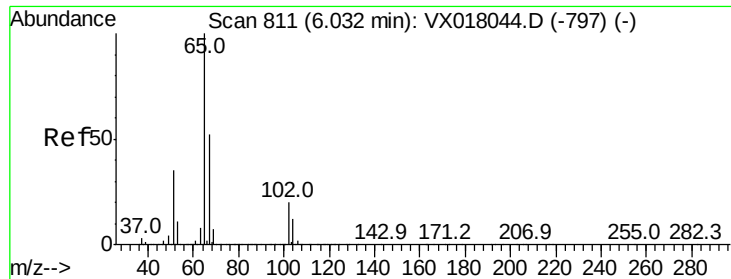
#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018128.D
Acq: 28 Aug 2020 18:11

Tgt Ion:	56	Resp:	11109
Ion	Ratio	Lower	Upper
56	100		
69	163.5	23.9	35.9#
84	124.7	67.0	100.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.821 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

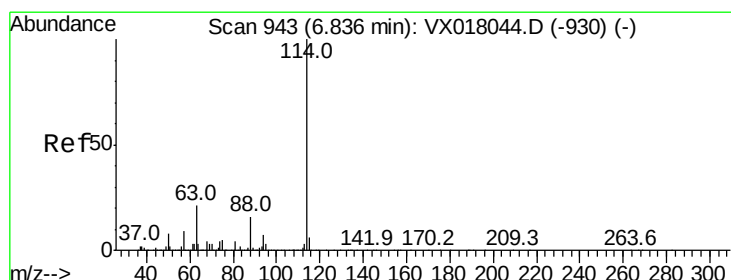
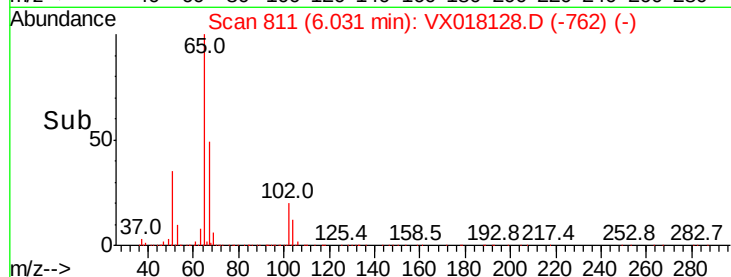
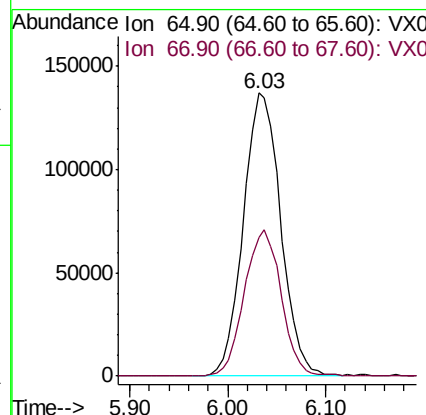
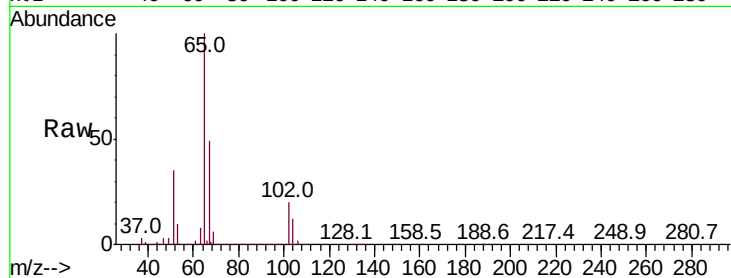
Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20200827

Tot Ion: 65 Resp: 364631

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

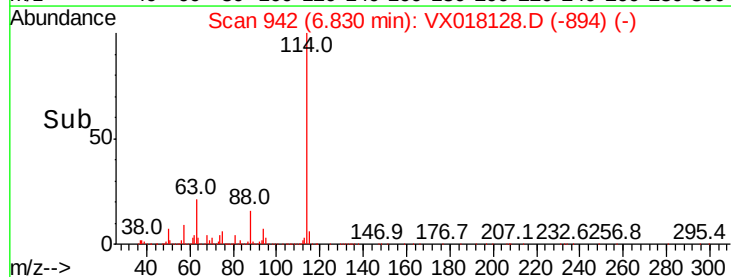
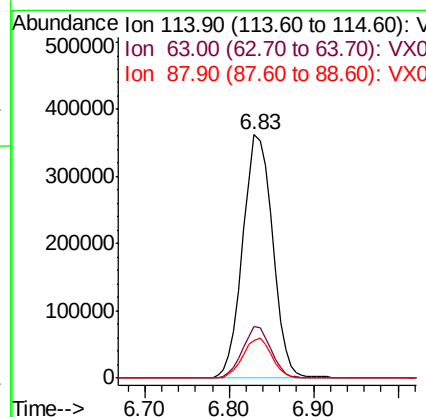
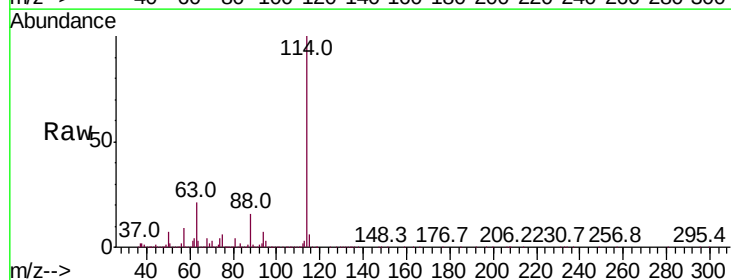
Delta R.T. -0.01 min

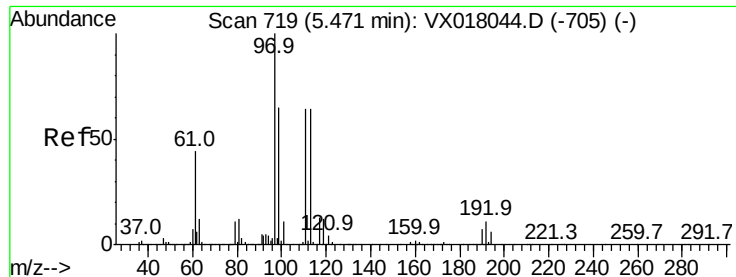
Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Tgt Ion: 114 Resp: 868389

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.6
88	15.5	0.0	31.8





#35

Dibromofluoromethane

Concen: 49.763 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

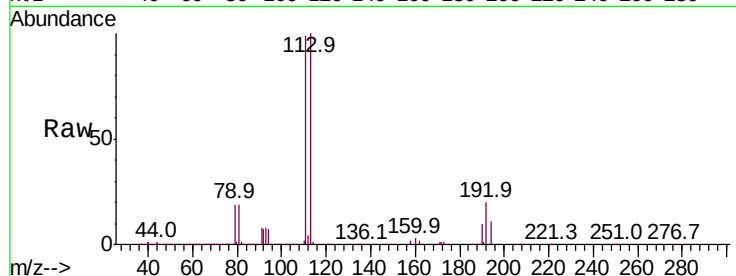
Tot Ion:113 Resp: 294303

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

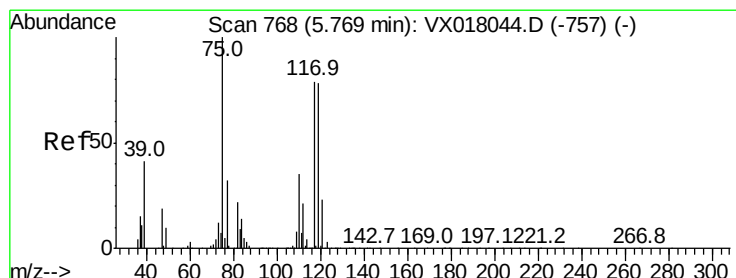
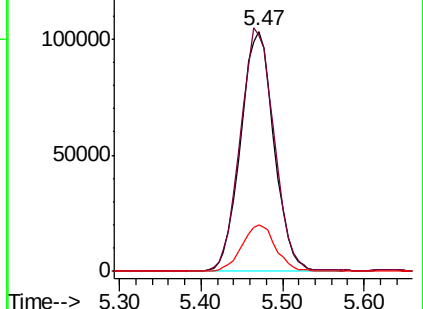
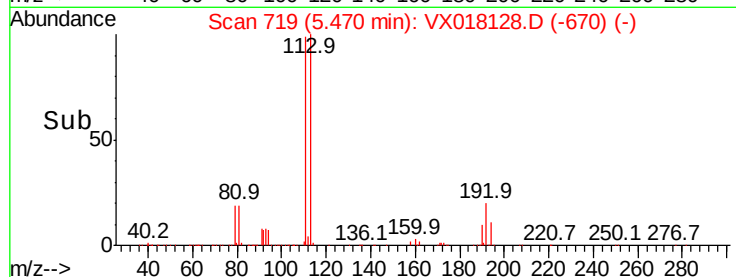
192 19.5 15.8 23.8



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: 5.080 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

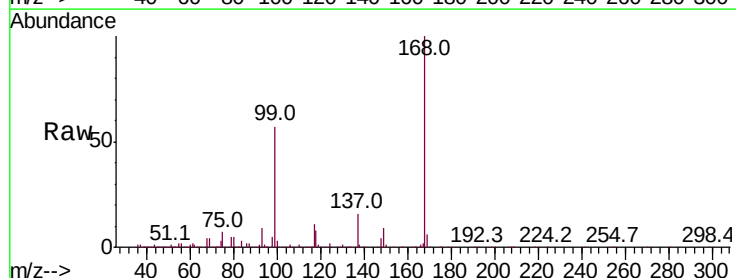
Tgt Ion: 75 Resp: 40685

Ion Ratio Lower Upper

75 100

110 11.2 18.0 54.0#

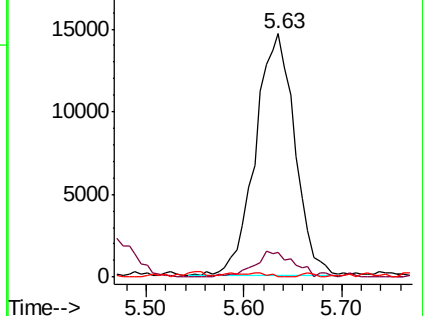
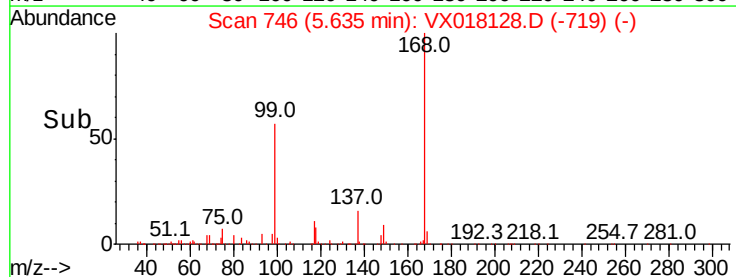
77 0.9 24.4 36.6#

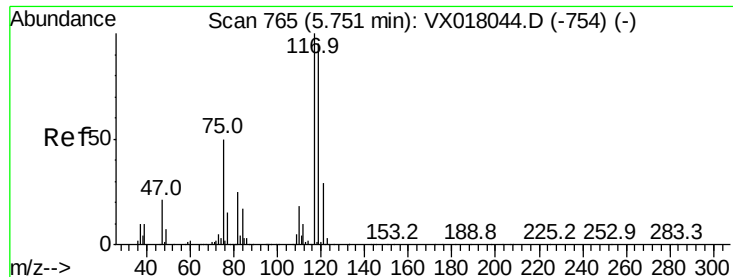


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.091 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

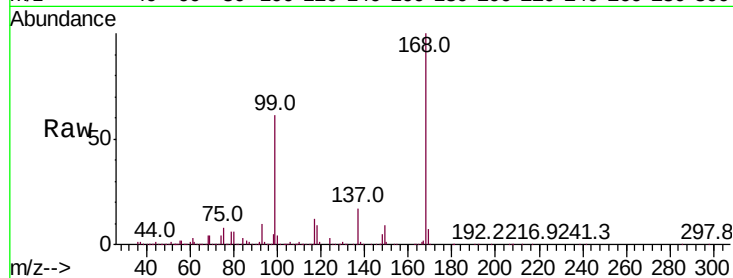
Tot Ion:117 Resp: 54979

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

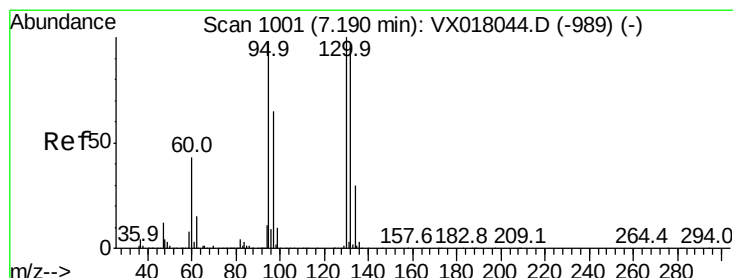
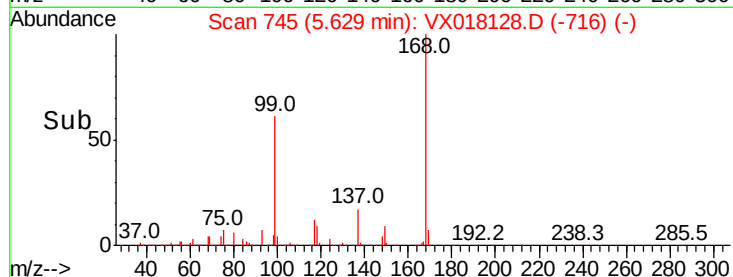
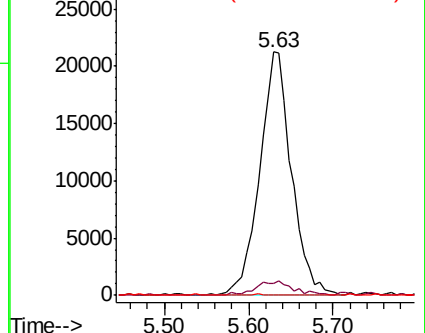
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.245 ug/l

RT: 7.17 min Scan# 998

Delta R.T. -0.02 min

Lab File: VX018128.D

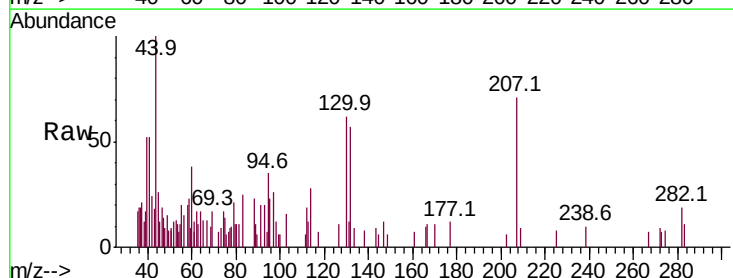
Acq: 28 Aug 2020 18:11

Tgt Ion:130 Resp: 1627

Ion Ratio Lower Upper

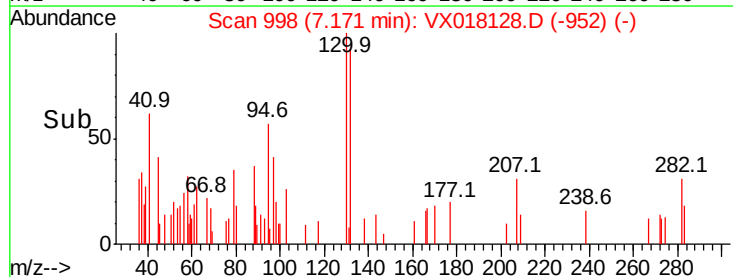
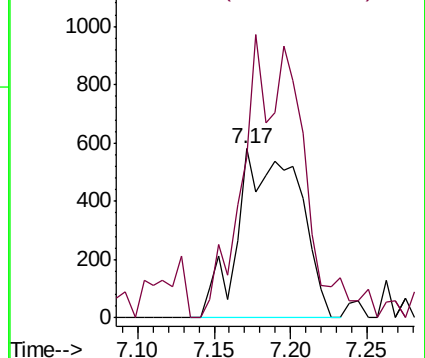
130 100

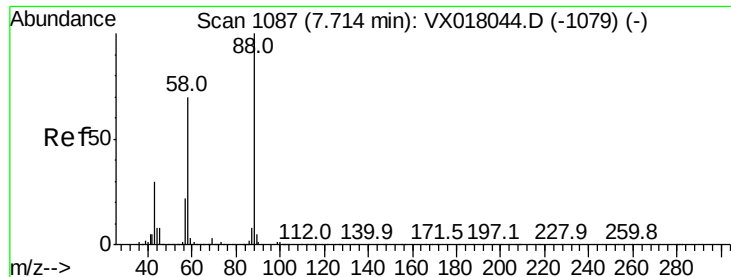
95 95.2 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 1.764 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

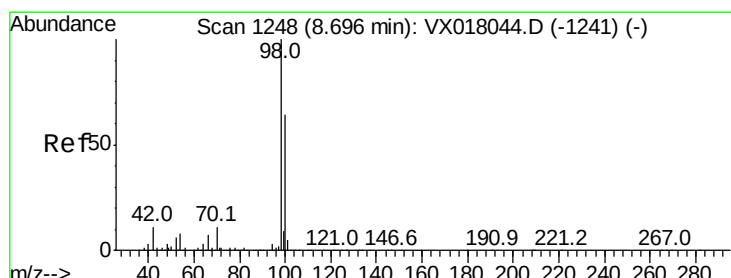
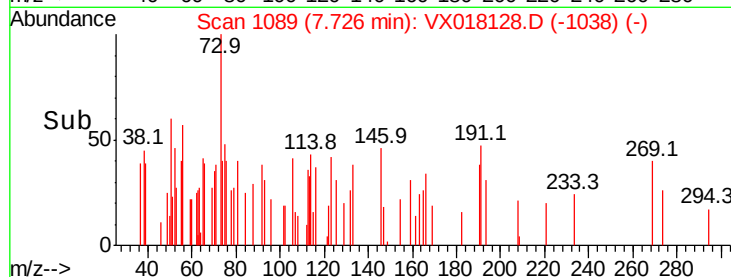
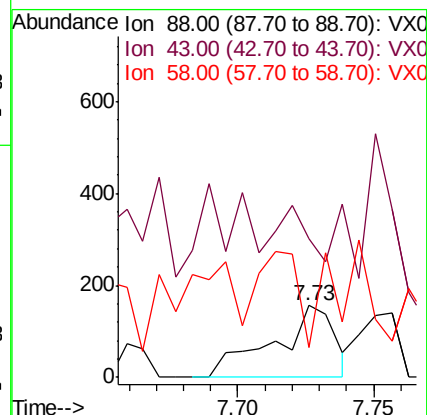
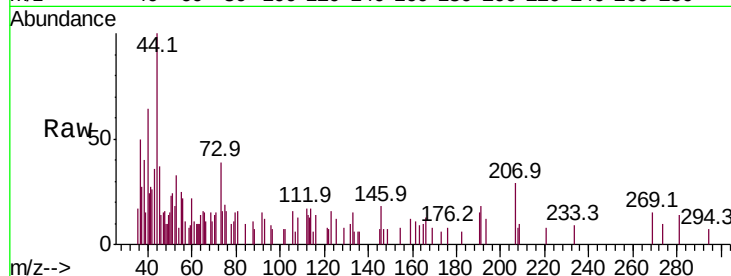
Tot Ion: 88 Resp: 239

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 108.8 56.4 84.6#



#50

Toluene-d8

Concen: 48.536 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018128.D

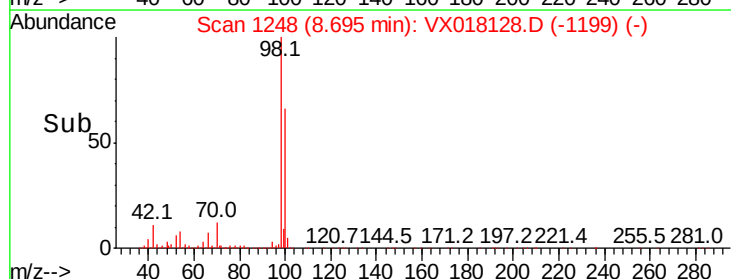
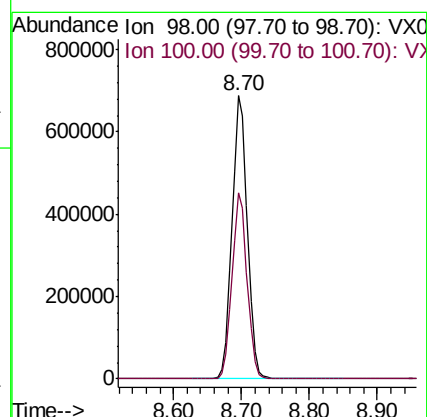
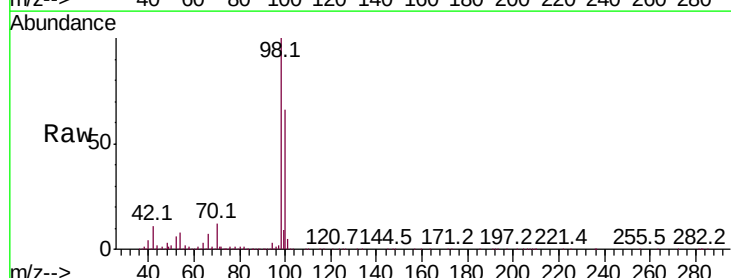
Acq: 28 Aug 2020 18:11

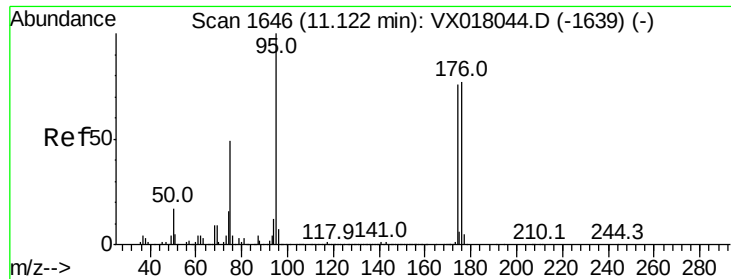
Tgt Ion: 98 Resp: 1069142

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.754 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

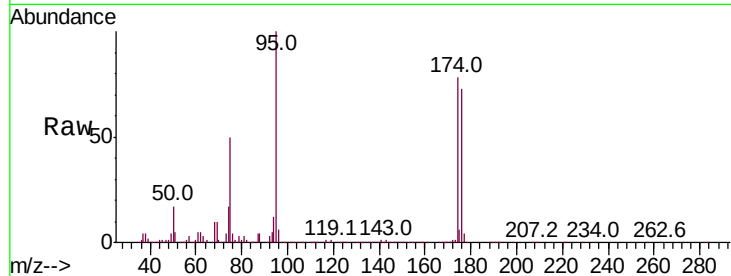
Tot Ion: 95 Resp: 396527

Ion Ratio Lower Upper

95 100

174 79.2 0.0 160.2

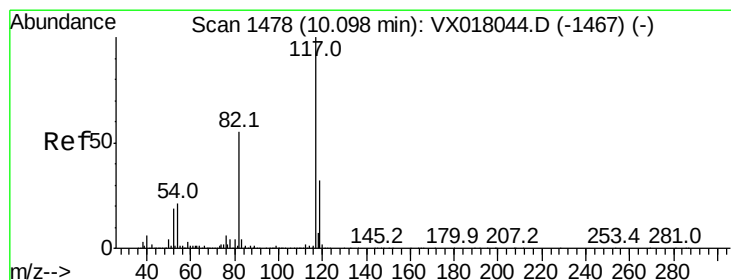
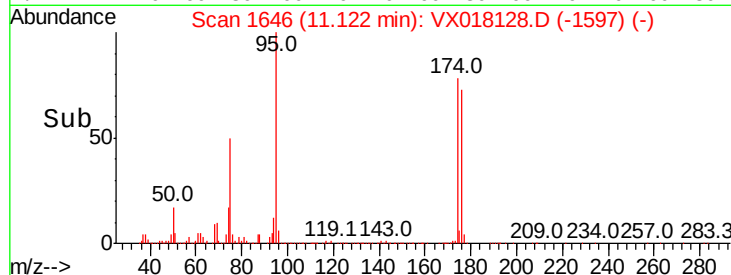
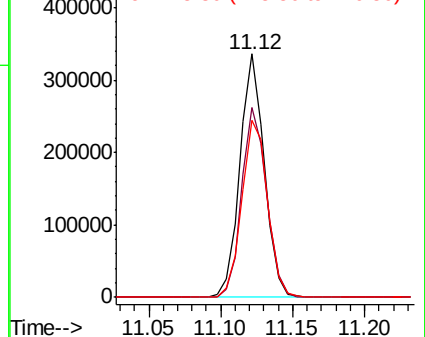
176 76.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

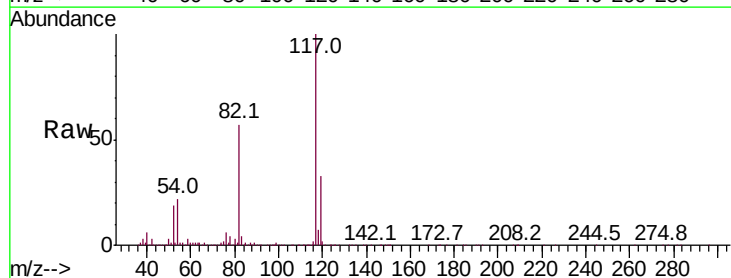
Tgt Ion: 117 Resp: 835097

Ion Ratio Lower Upper

117 100

82 57.3 44.2 66.2

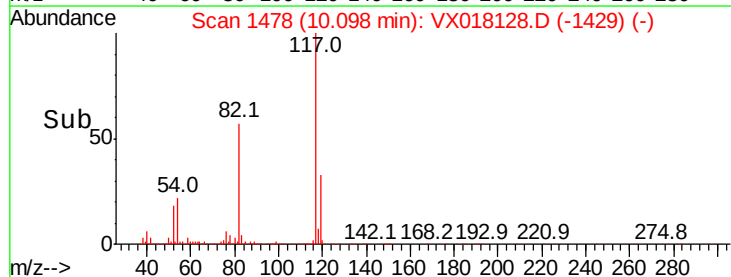
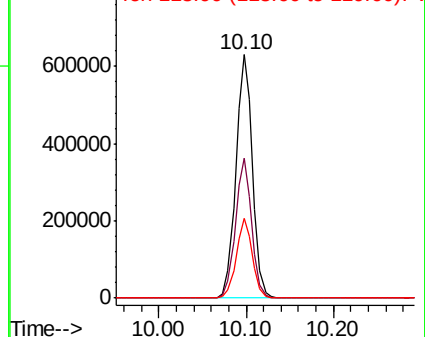
119 33.0 25.7 38.5

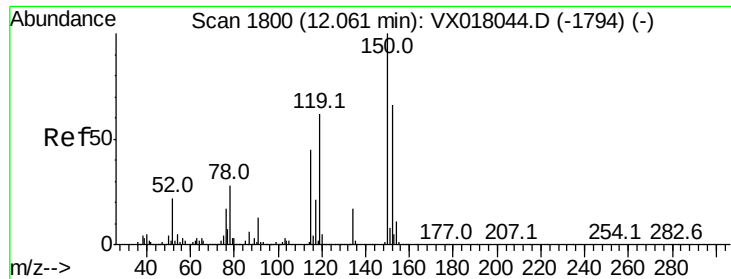


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

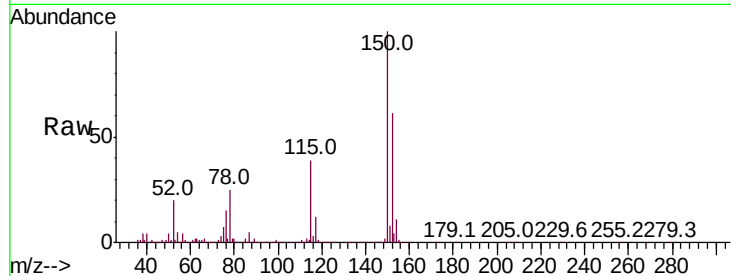
Tot Ion:152 Resp: 382717

Ion Ratio Lower Upper

152 100

115 61.7 41.5 124.5

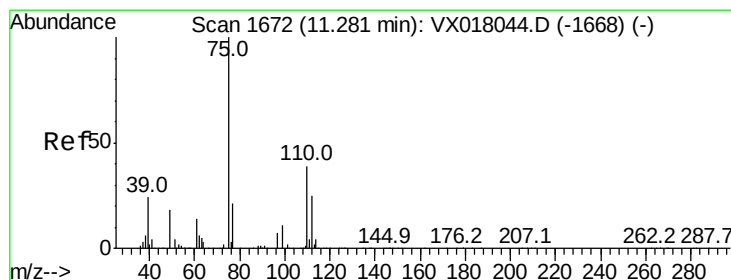
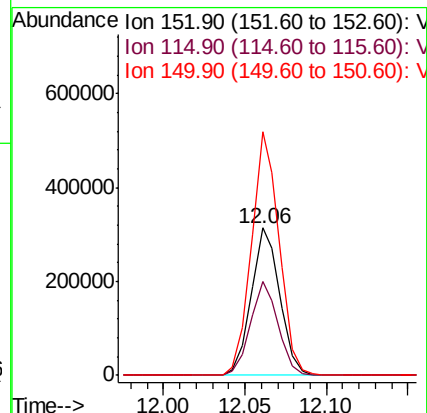
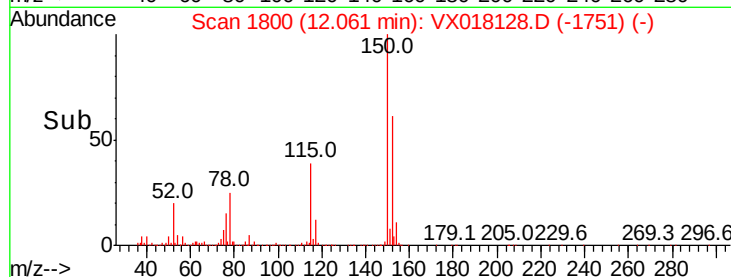
150 159.9 0.0 343.8



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: 23.384 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018128.D

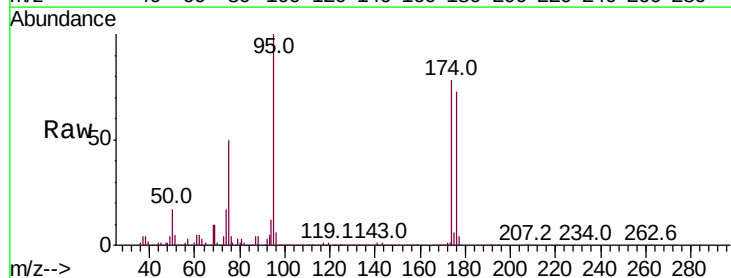
Acq: 28 Aug 2020 18:11

Tgt Ion: 75 Resp: 199081

Ion Ratio Lower Upper

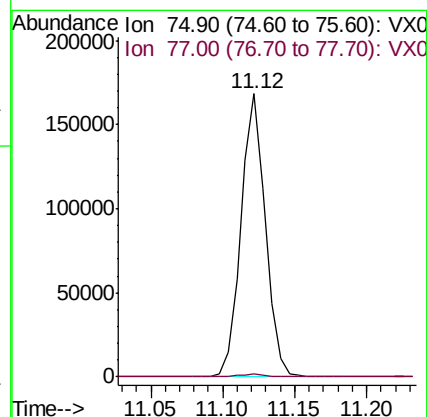
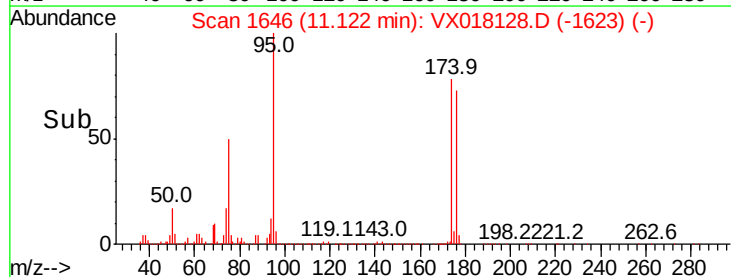
75 100

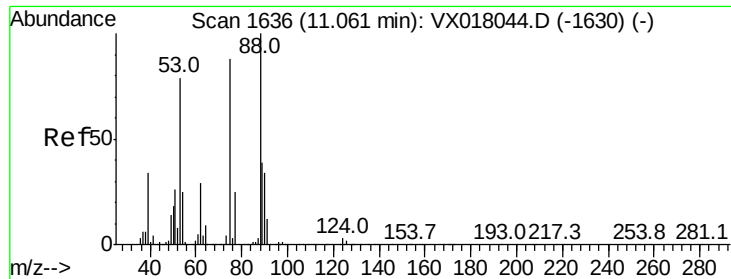
77 1.5 20.8 62.2#



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: 63.155 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018128.D

Acq: 28 Aug 2020 18:11

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20200827

Tot Ion: 75 Resp: 199081

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#

