

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112520\
 Data File : VX019665.D
 Acq On : 25 Nov 2020 18:38
 Operator : JC/MD
 Sample : L4835-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20201119

Quant Time: Nov 26 05:01:03 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	301512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	503200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	444181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	172461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	189925	48.58	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.16%
35) Dibromofluoromethane	5.46	113	149417	47.31	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.62%
50) Toluene-d8	8.70	98	599469	48.84	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.68%
62) 4-Bromofluorobenzene	11.12	95	200404	45.38	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.76%

Target Compounds

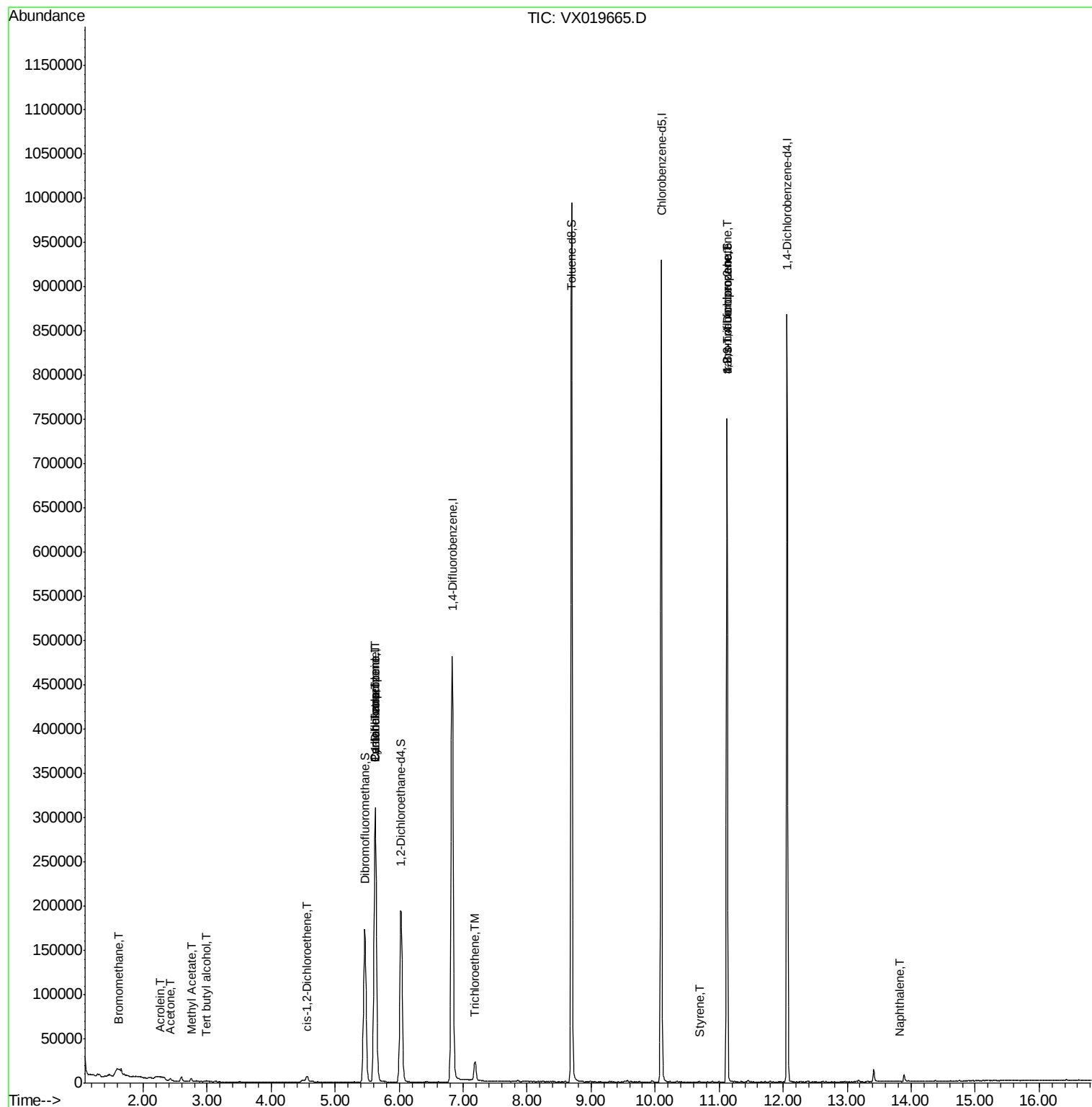
					Qvalue
5) Bromomethane	1.62	94	472	0.344 ug/l #	32
6) Chloroethane	1.67	64	1978	Below Cal #	41
11) Tert butyl alcohol	2.99	59	1005	1.358 ug/l #	73
13) Acrolein	2.27	56	146	0.294 ug/l #	53
16) Acetone	2.42	43	2717	1.797 ug/l	94
18) Methyl Acetate	2.75	43	4594	1.858 ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	3703	0.951 ug/l	89
31) Cyclohexane	5.63	56	5888	1.158 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22980	4.871 ug/l #	49
38) Carbon Tetrachloride	5.63	117	29870	6.542 ug/l #	18
44) Trichloroethene	7.18	130	7268	1.914 ug/l	91
70) Styrene	10.69	104	67	1.652 ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	98091	26.063 ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	98091	68.666 ug/l #	12
95) Naphthalene	13.81	128	440	2.211 ug/l #	81

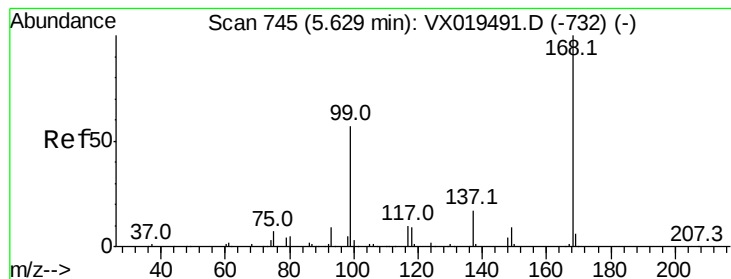
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019665.D

Acq: 25 Nov 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

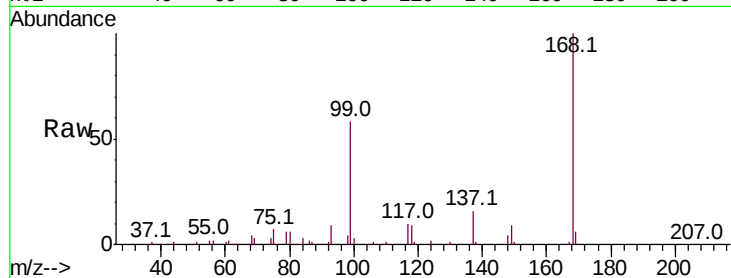
ROOF-DRAIN-20201119

Tot Ion:168 Resp: 301512

Ion Ratio Lower Upper

168 100

99 58.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

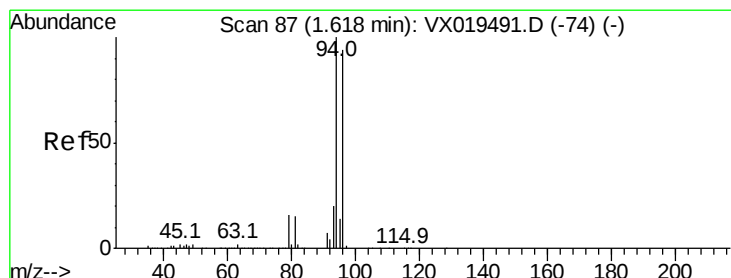
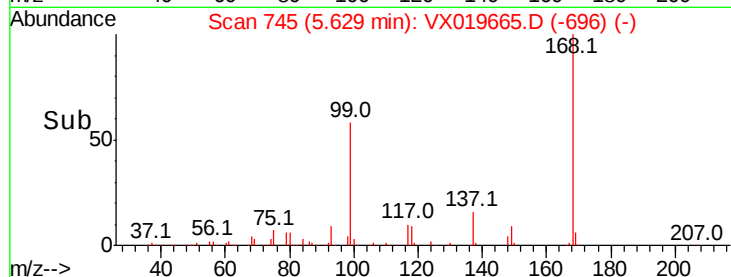
40000

20000

0

5.50 5.63 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.344 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019665.D

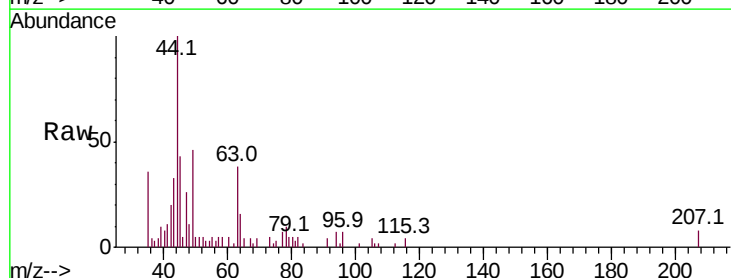
Acq: 25 Nov 2020 18:38

Tgt Ion: 94 Resp: 472

Ion Ratio Lower Upper

94 100

96 160.4 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

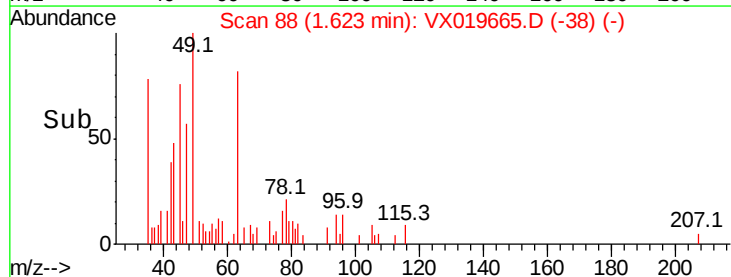
100

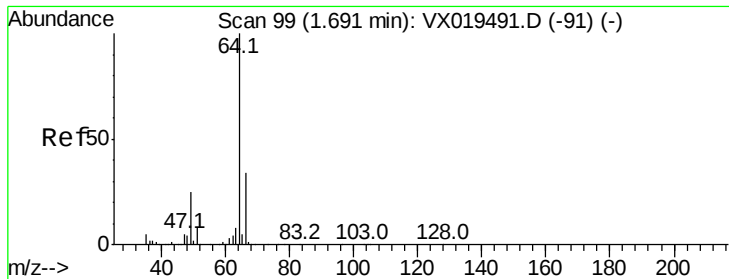
50

0

1.60 1.62 1.65

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 95

Delta R.T. -0.02 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

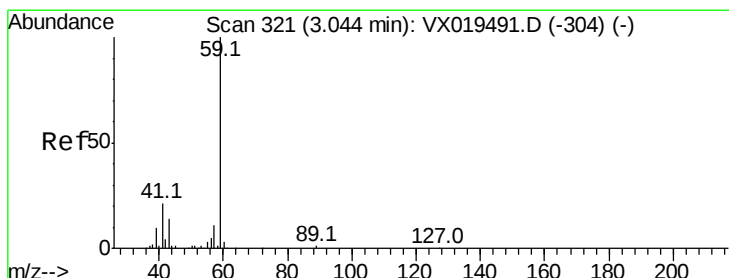
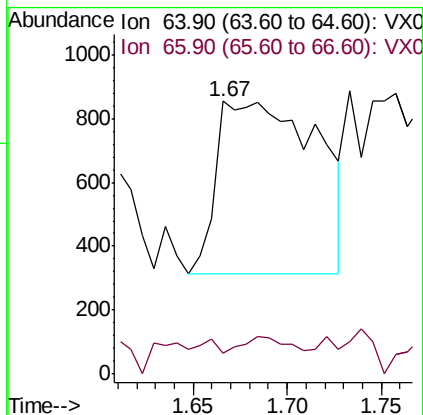
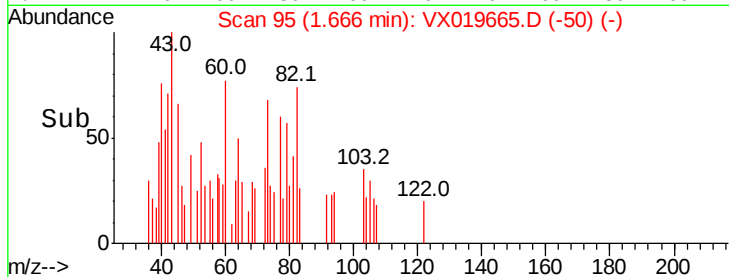
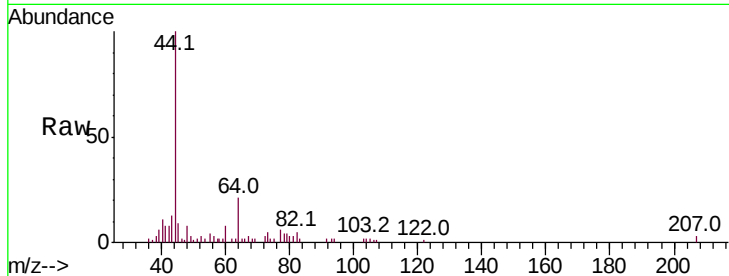
ROOF-DRAIN-20201119

Tot Ion: 64 Resp: 1978

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



#11

Tert butyl alcohol

Concen: 1.358 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.06 min

Lab File: VX019665.D

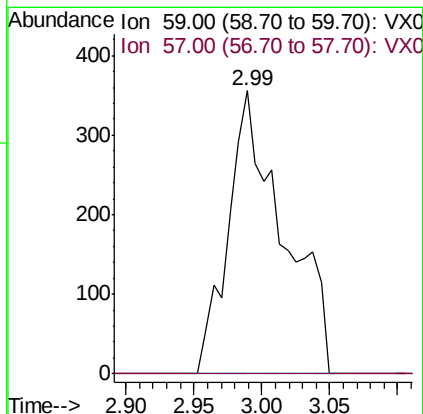
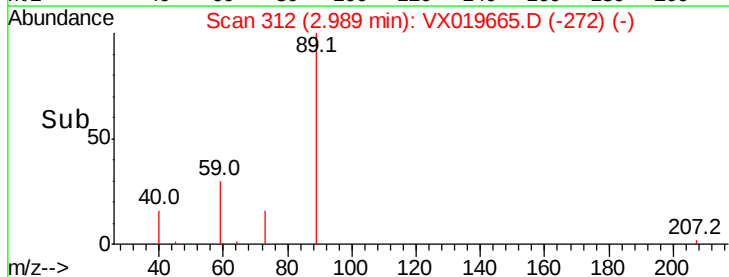
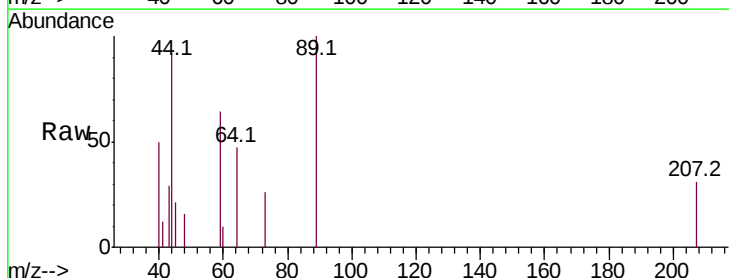
Acq: 25 Nov 2020 18:38

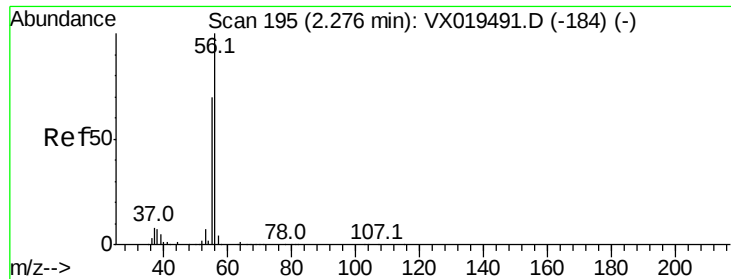
Tgt Ion: 59 Resp: 1005

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.294 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

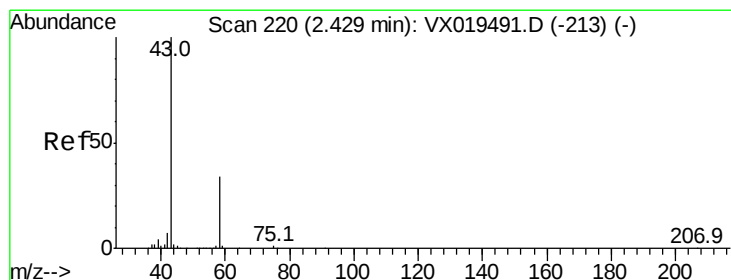
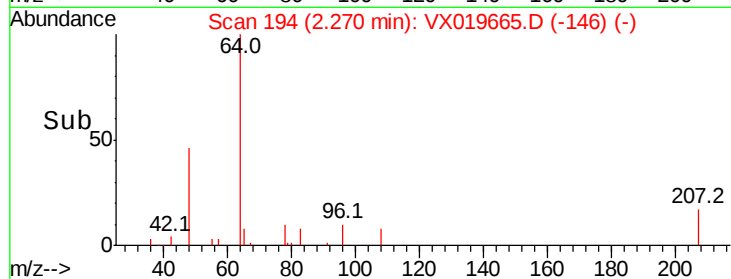
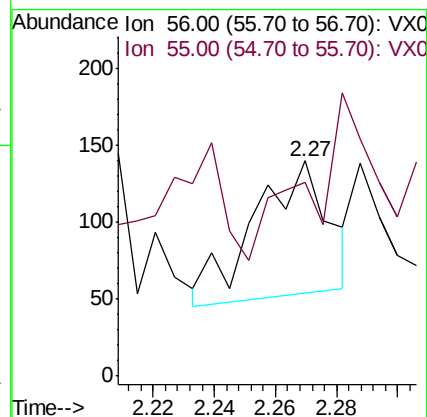
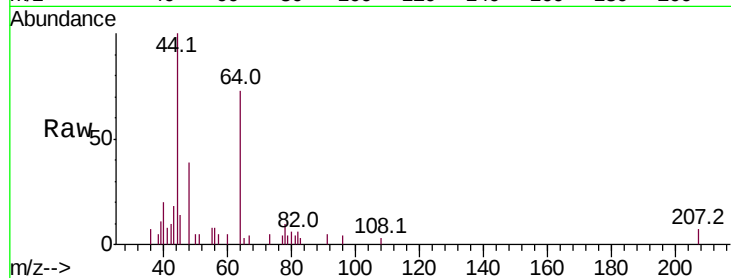
ROOF-DRAIN-20201119

Tot Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 107.5 55.5 83.3#



#16

Acetone

Concen: 1.797 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019665.D

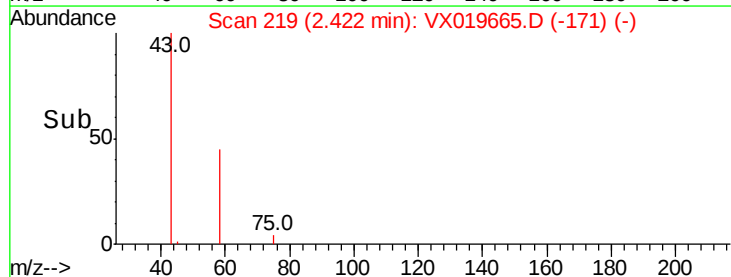
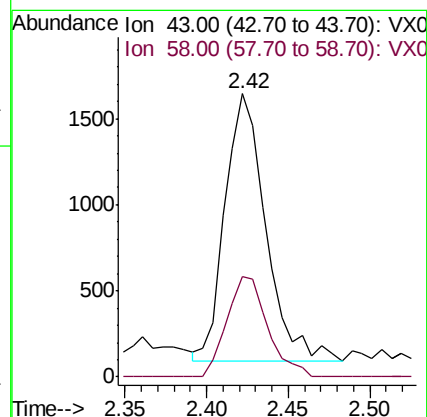
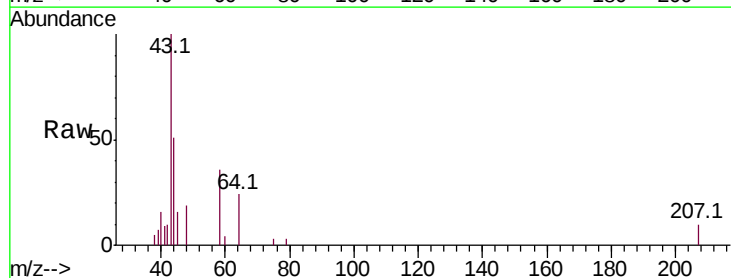
Acq: 25 Nov 2020 18:38

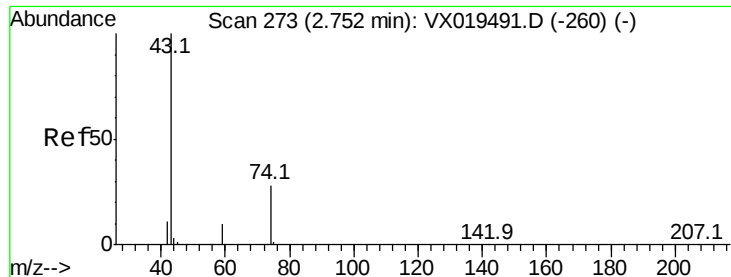
Tgt Ion: 43 Resp: 2717

Ion Ratio Lower Upper

43 100

58 37.6 27.4 41.2

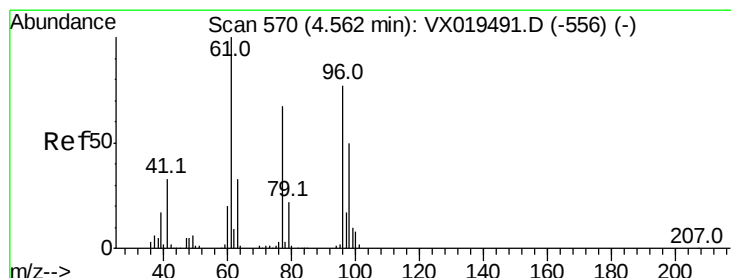
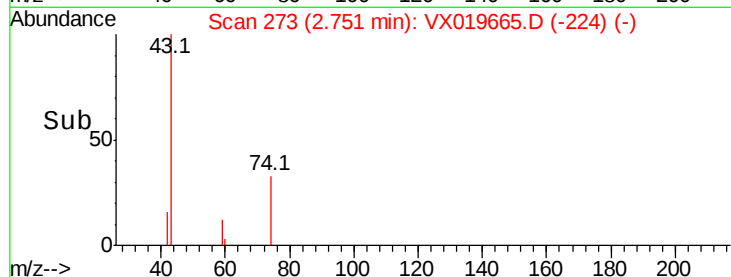
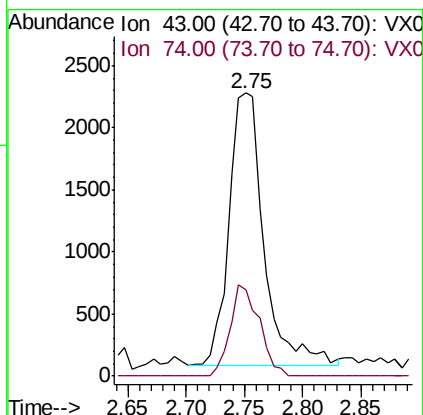
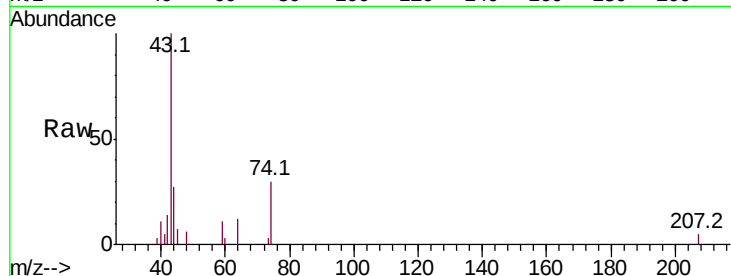




#18
Methyl Acetate
Concen: 1.858 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

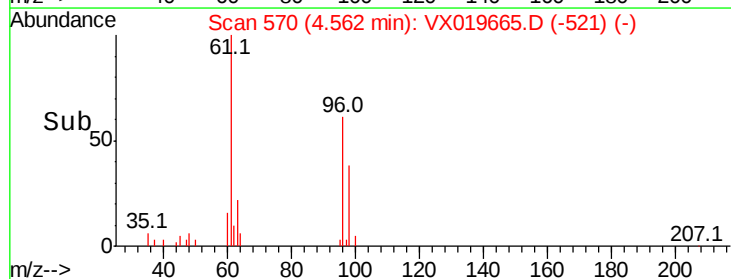
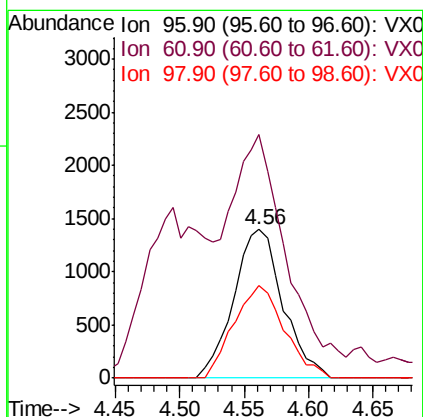
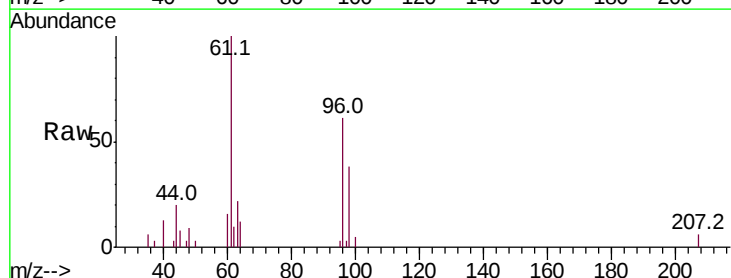
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

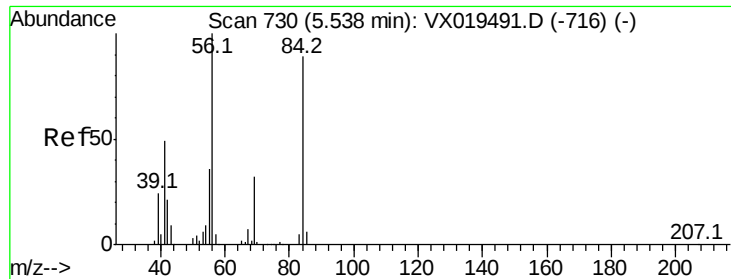
Tot Ion: 43 Resp: 4594
Ion Ratio Lower Upper
43 100
74 27.9 22.2 33.4



#27
cis-1,2-Dichloroethene
Concen: 0.951 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

Tgt Ion: 96 Resp: 3703
Ion Ratio Lower Upper
96 100
61 158.1 0.0 279.2
98 64.2 0.0 129.8

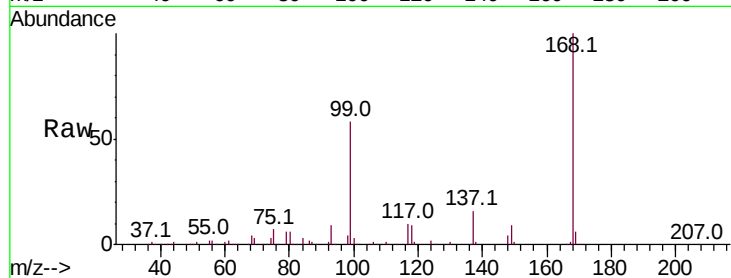




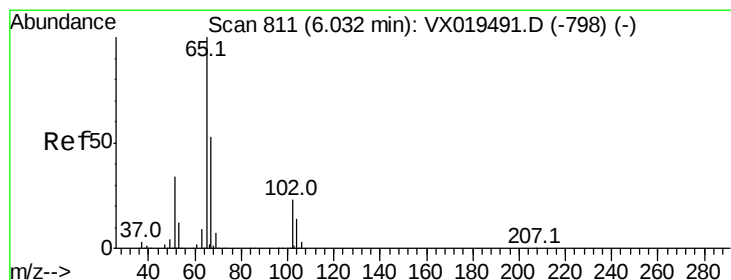
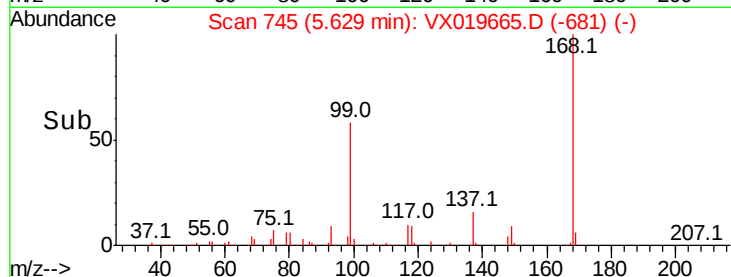
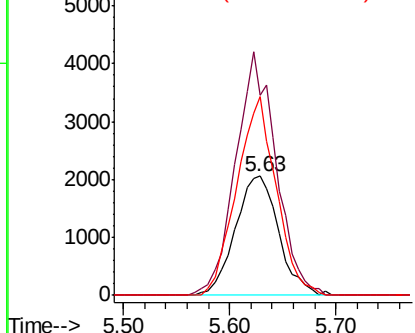
#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

Tot Ion: 56 Resp: 5888
Ion Ratio Lower Upper
56 100
69 168.2 25.5 38.3#
84 166.9 71.1 106.7#

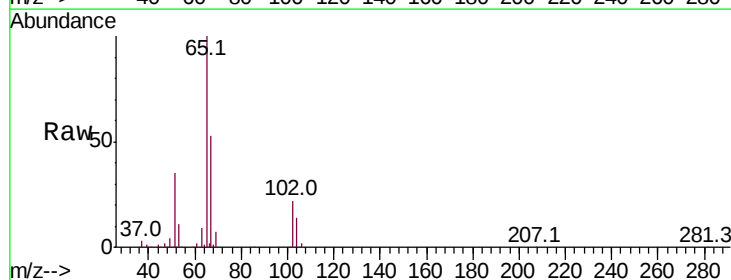


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

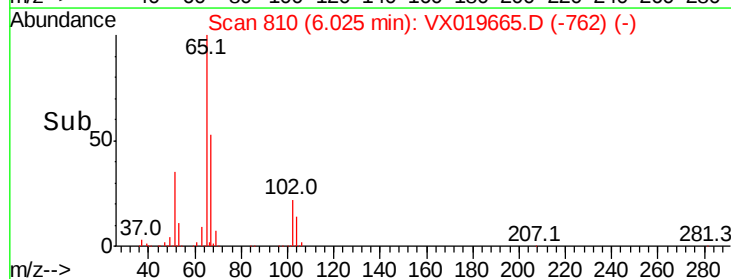
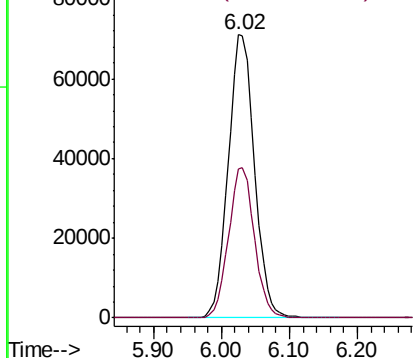


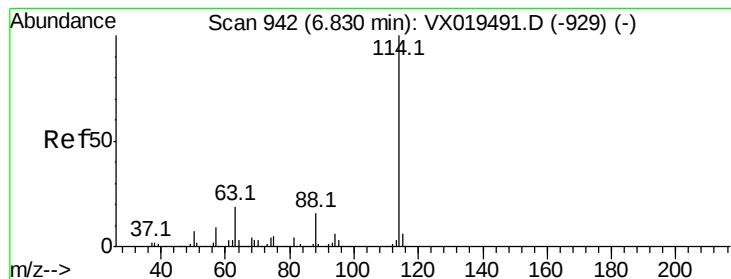
#33
1,2-Dichloroethane-d4
Concen: 48.582 ug/l
RT: 6.02 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

Tgt Ion: 65 Resp: 189925
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20201119

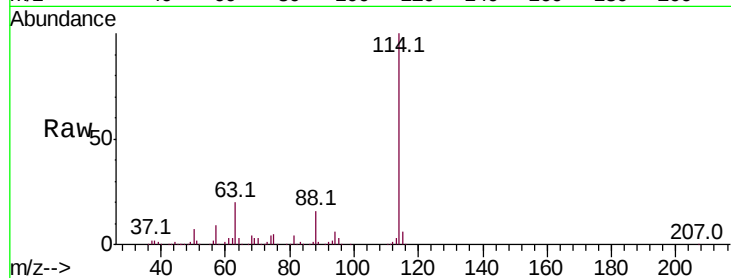
Tot Ion:114 Resp: 503200

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

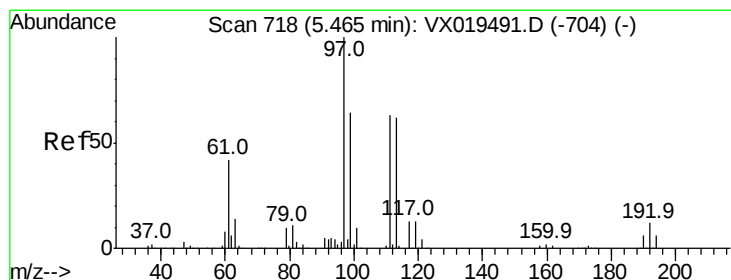
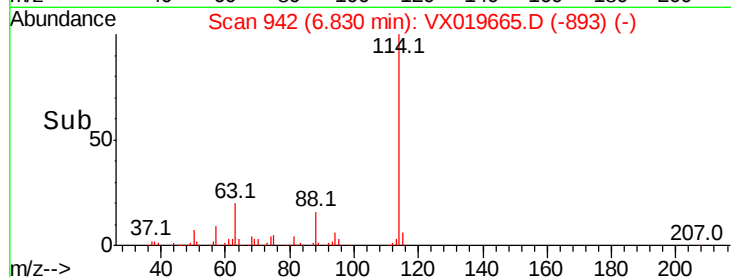
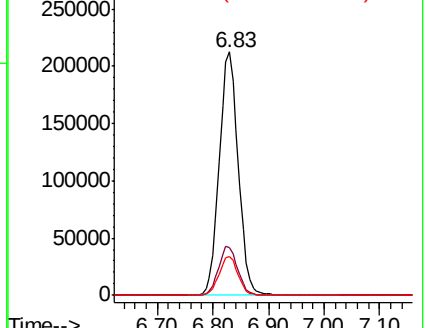
88 16.1 0.0 31.6



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: 47.305 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

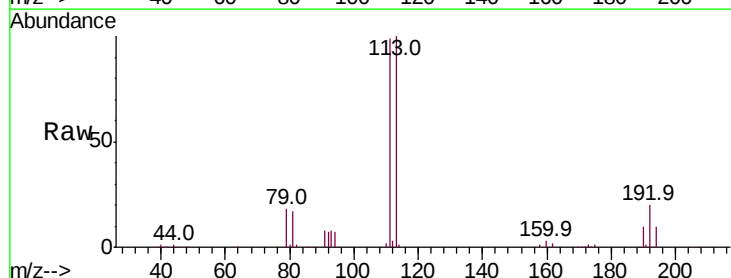
Tgt Ion:113 Resp: 149417

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

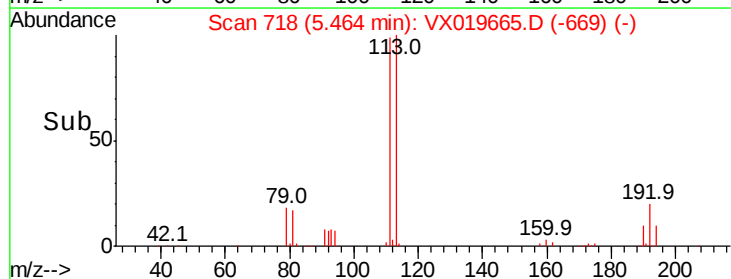
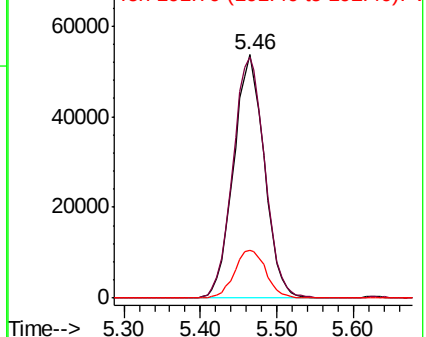
192 20.3 16.2 24.2

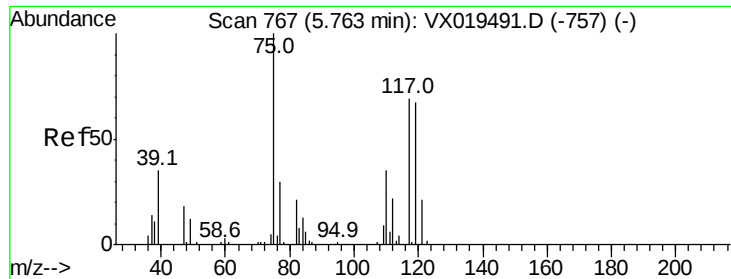


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

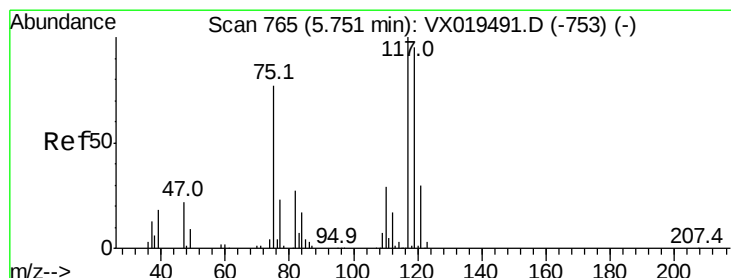
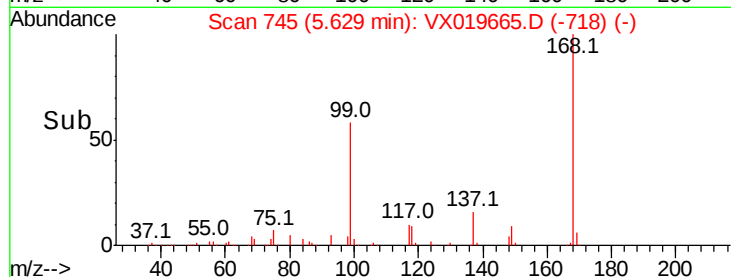
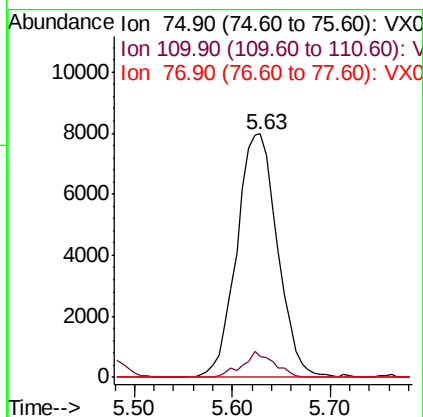
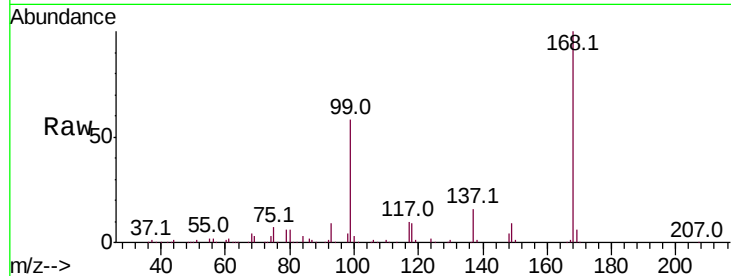




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019665.D
 Acq: 25 Nov 2020 18:38

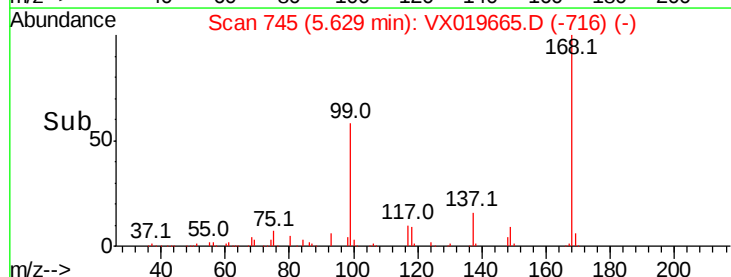
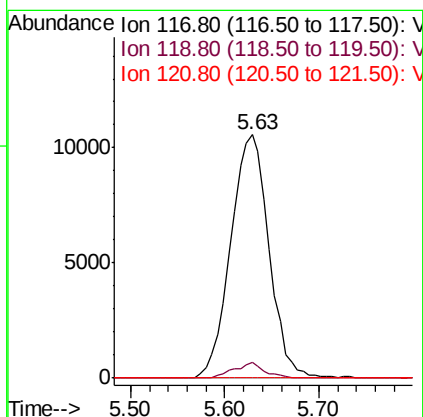
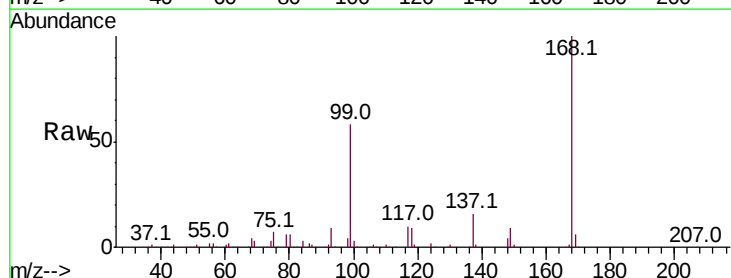
Instrument :
 MSVOA_X
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 ROOF-DRAIN-20201119

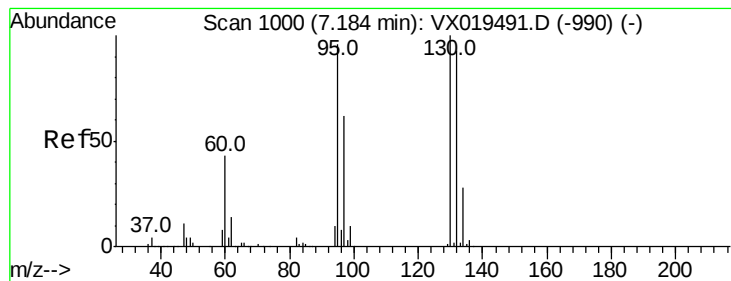
Tot Ion: 75 Resp: 22980
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.1 54.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.542 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019665.D
 Acq: 25 Nov 2020 18:38

Tgt Ion: 117 Resp: 29870
 Ion Ratio Lower Upper
 117 100
 119 6.6 75.9 113.9#
 121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 1.914 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

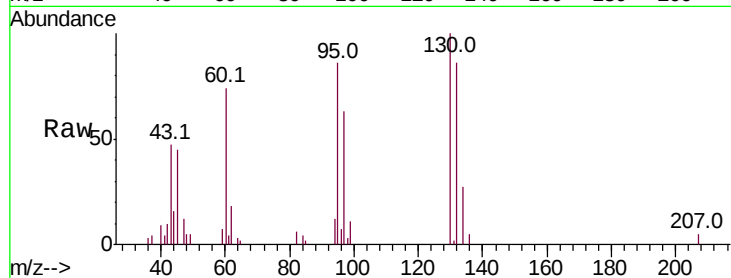
ROOF-DRAIN-20201119

Tot Ion:130 Resp: 7268

Ion Ratio Lower Upper

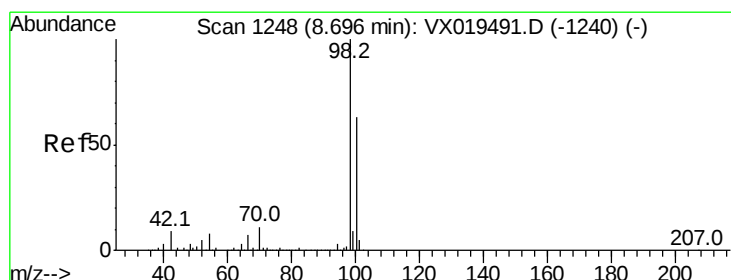
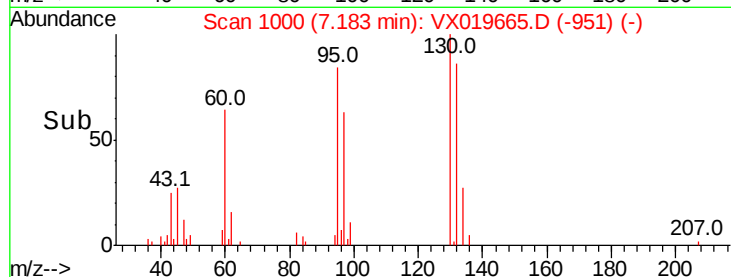
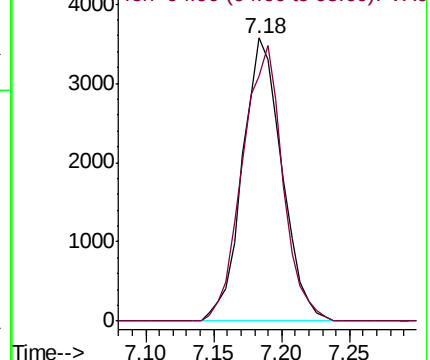
130 100

95 86.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.841 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019665.D

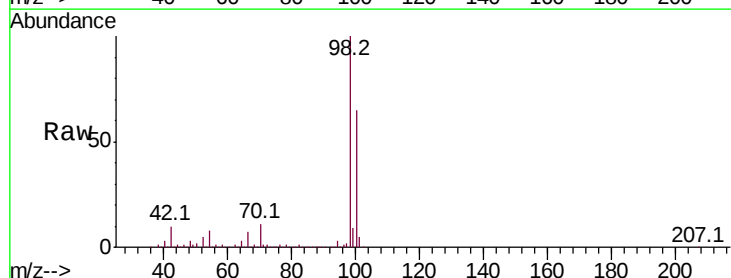
Acq: 25 Nov 2020 18:38

Tgt Ion: 98 Resp: 599469

Ion Ratio Lower Upper

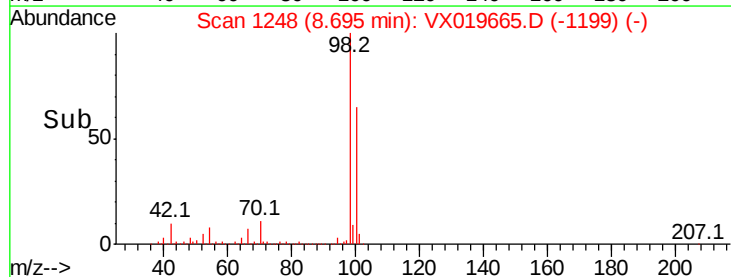
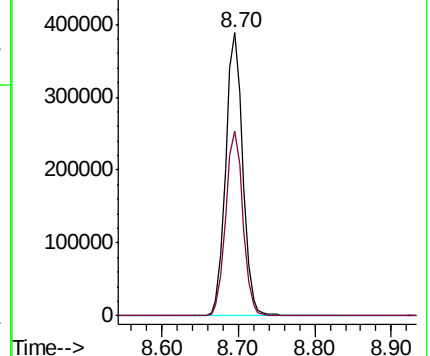
98 100

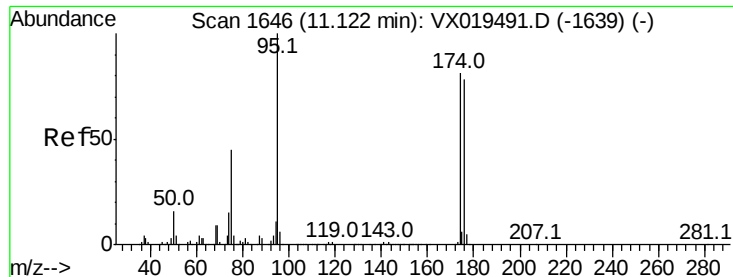
100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

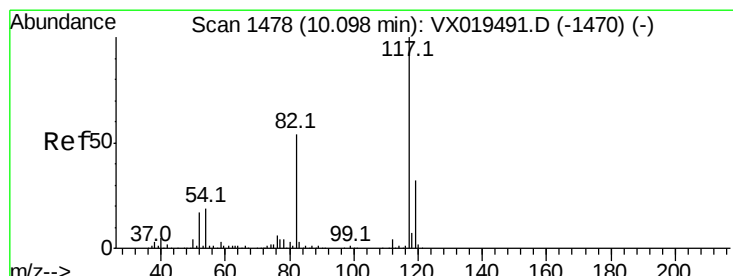
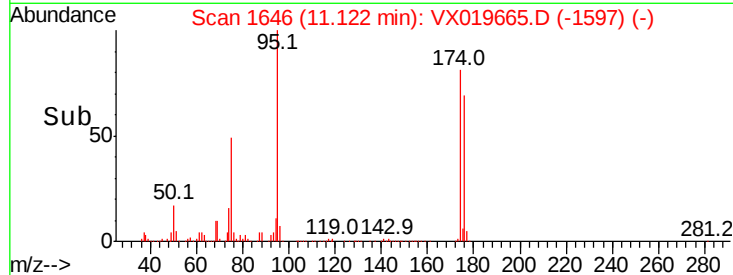
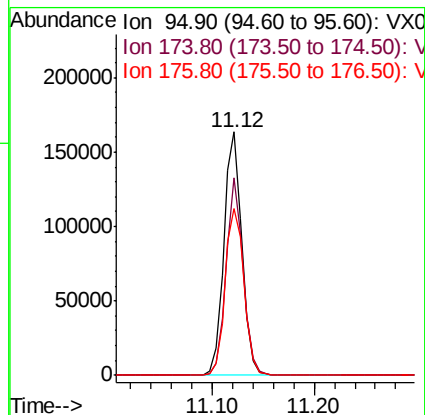
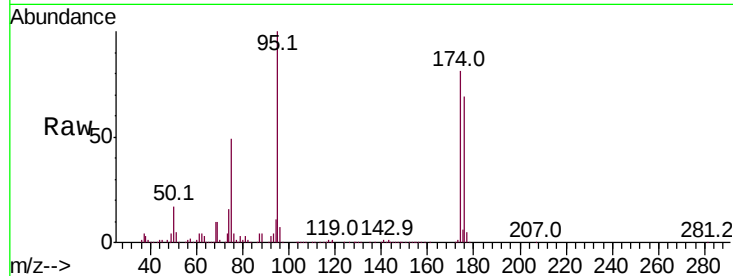




#62
4-Bromofluorobenzene
Concen: 45.381 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

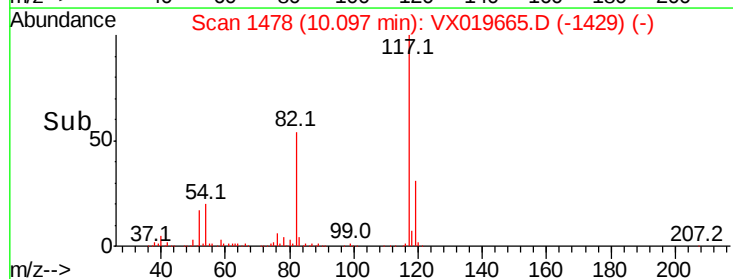
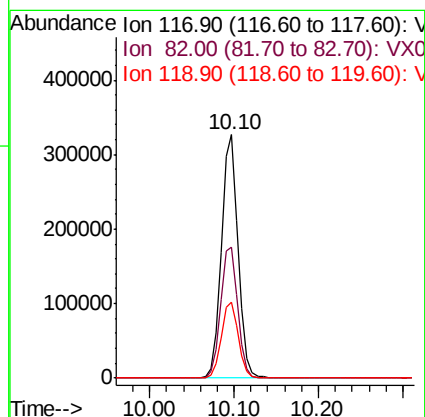
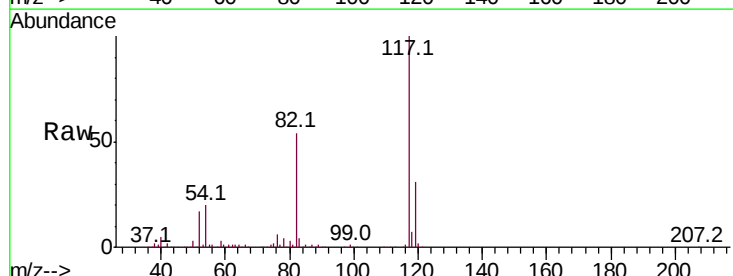
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

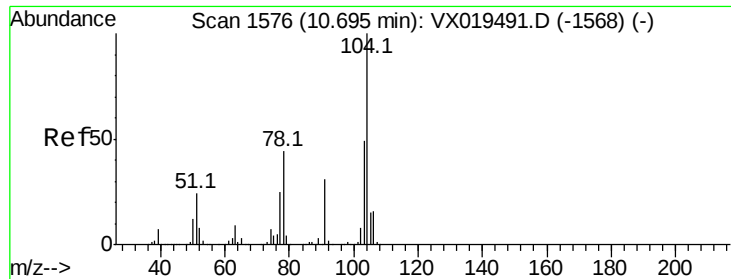
Tot Ion:	95	Resp:	200404
Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	156.2
176	71.9	0.0	151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

Tgt Ion:	117	Resp:	444181
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	31.3	25.6	38.4

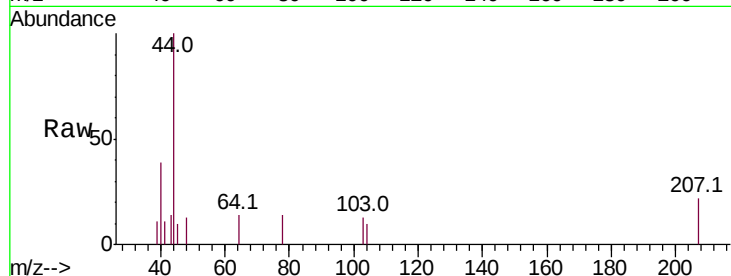




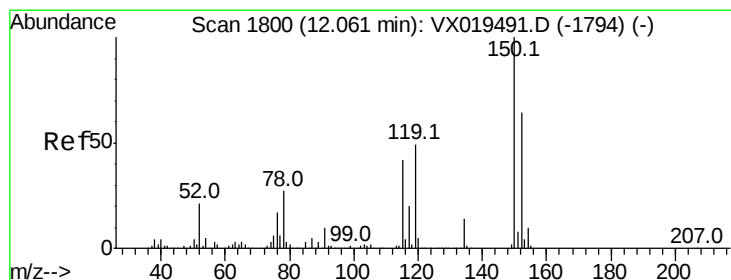
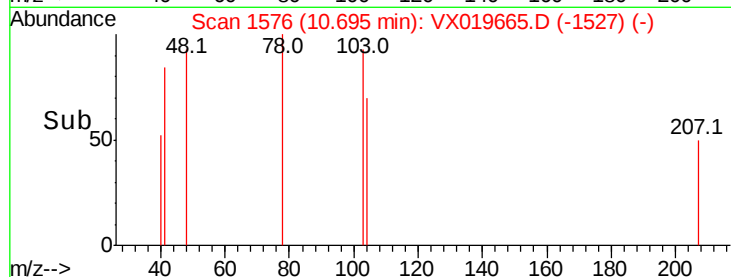
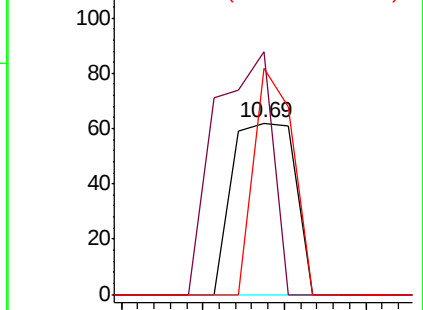
#70
Stvrene
Concen: 1.652 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20201119

Tot Ion:104 Resp: 67
Ion Ratio Lower Upper
104 100
78 126.9 39.5 59.3#
103 82.1 43.6 65.4#

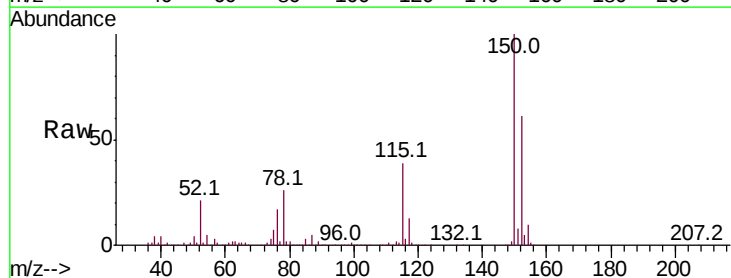


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

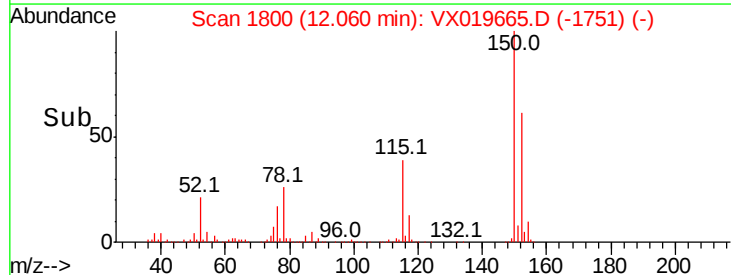
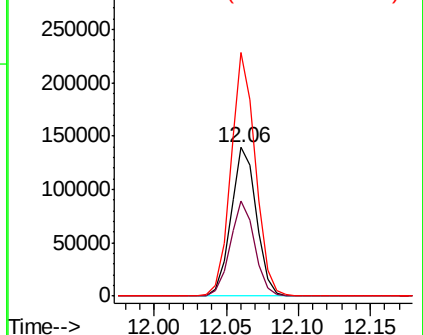


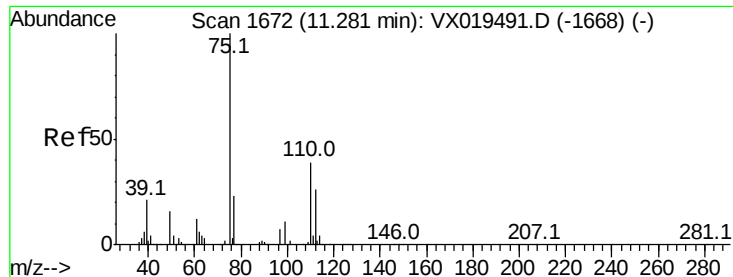
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019665.D
Acq: 25 Nov 2020 18:38

Tgt Ion:152 Resp: 172461
Ion Ratio Lower Upper
152 100
115 61.7 41.8 125.4
150 157.7 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: 26.063 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

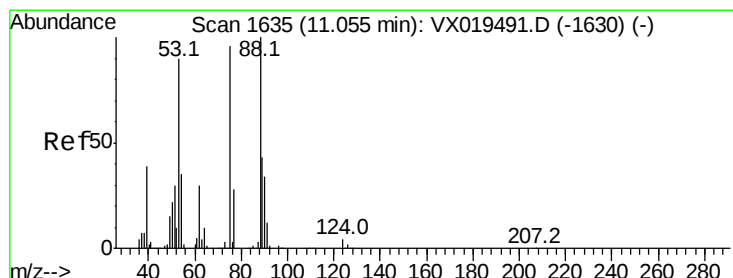
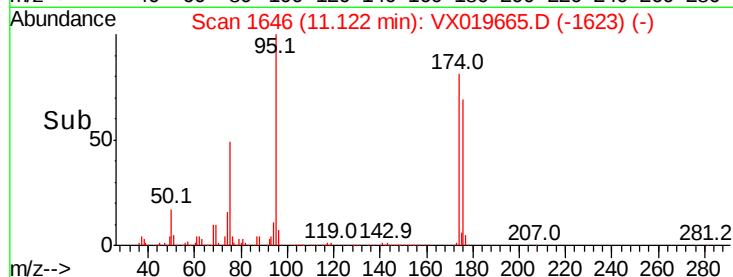
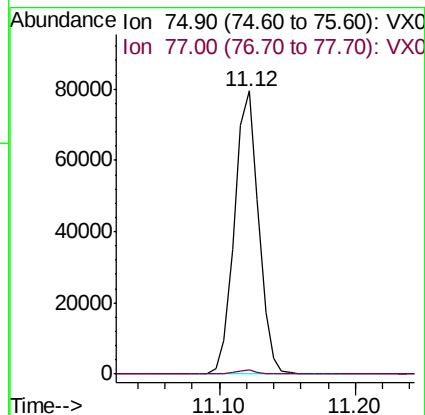
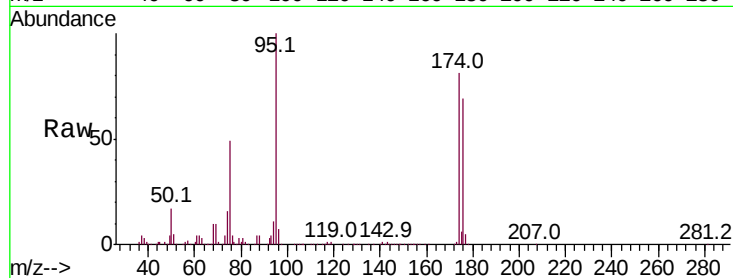
ROOF-DRAIN-20201119

Tot Ion: 75 Resp: 98091

Ion Ratio Lower Upper

75 100

77 1.2 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.666 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

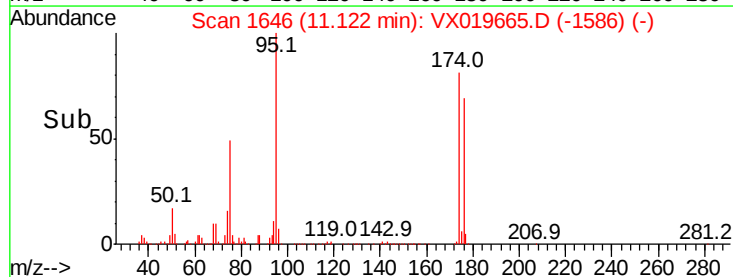
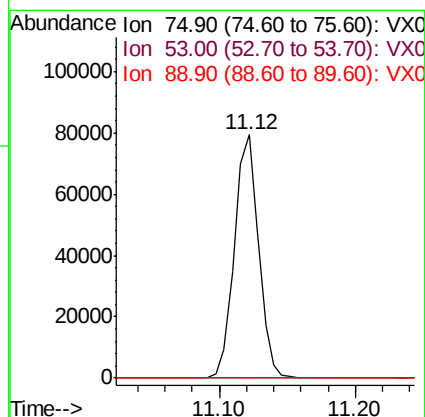
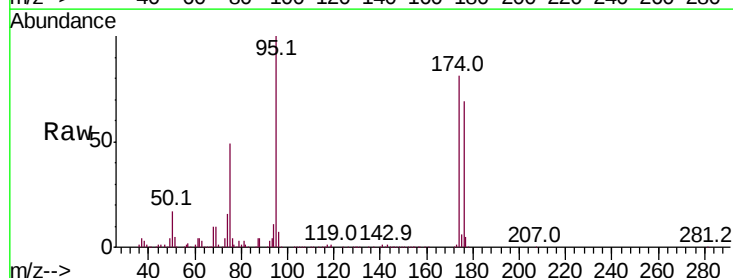
Tgt Ion: 75 Resp: 98091

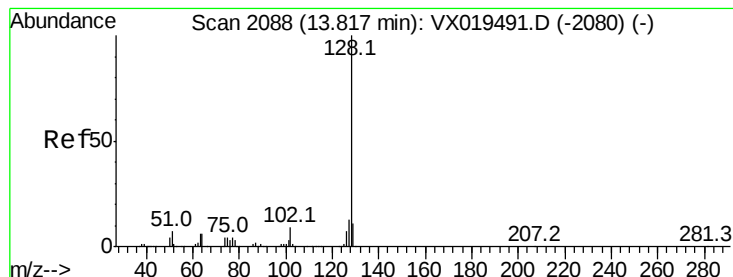
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.211 ug/l

RT: 13.81 min Scan# 2087

Delta R.T. -0.01 min

Lab File: VX019665.D

Acq: 25 Nov 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20201119

Tot Ion:128 Resp: 440

Ion Ratio Lower Upper

128 100

127 4.1 10.3 15.5#

129 5.2 8.7 13.1#

