

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022208.D
 Acq On : 26 May 2021 19:27
 Operator : JC/MD
 Sample : M2526-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20210525

Quant Time: May 27 04:09:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

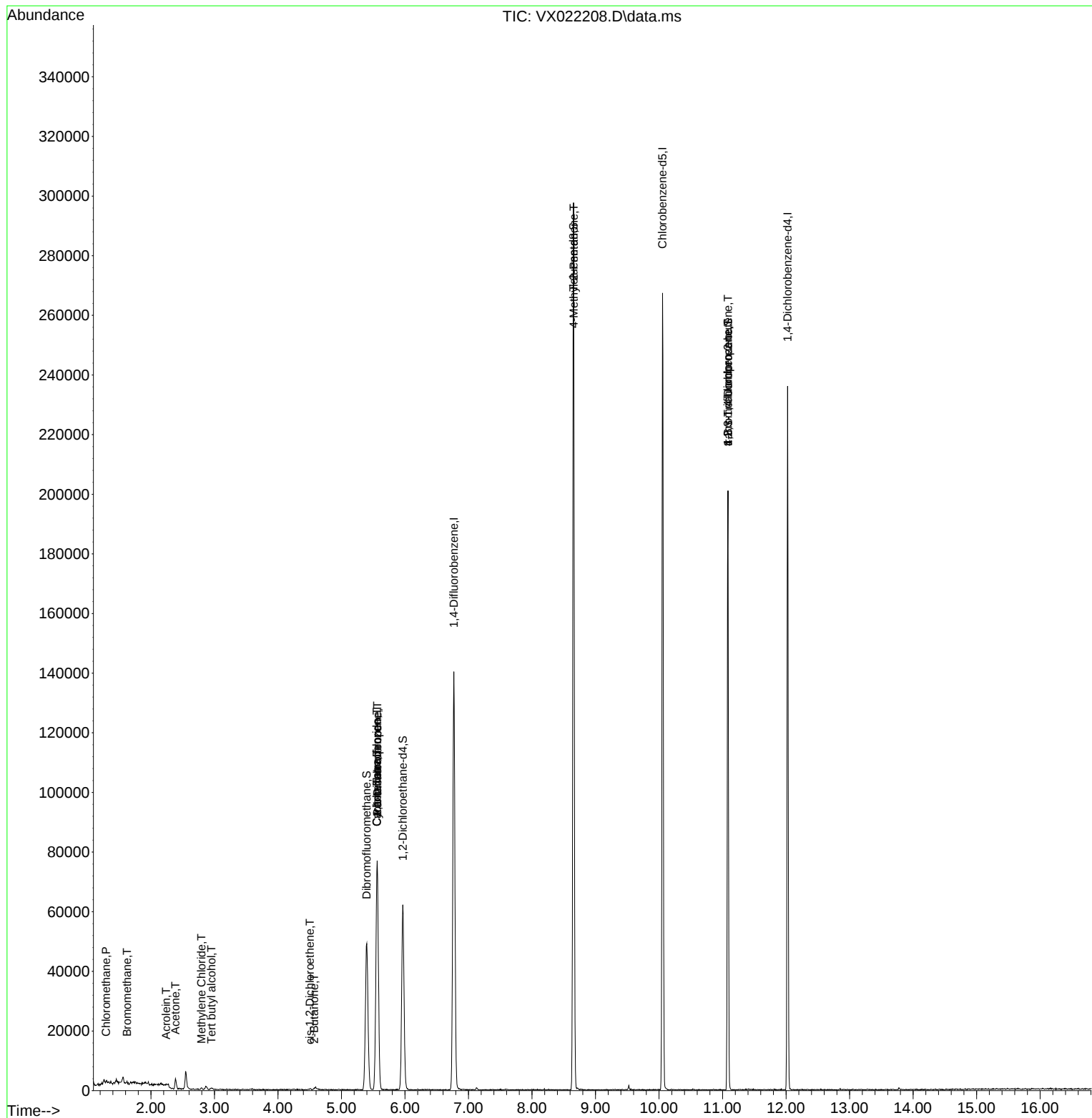
Internal Standards						
1) Pentafluorobenzene	5.562	168	64755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	138672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41447	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53909	53.97	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.94%			
35) Dibromofluoromethane	5.397	113	42223	48.01	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.02%			
50) Toluene-d8	8.653	98	167382	49.41	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.82%			
62) 4-Bromofluorobenzene	11.085	95	54487	43.52	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.04%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	204	0.24	ug/l #	75
5) Bromomethane	1.624	94	176	0.34	ug/l #	66
11) Tert butyl alcohol	2.953	59	155	0.68	ug/l #	73
13) Acrolein	2.239	56	225	1.48	ug/l	87
16) Acetone	2.386	43	3382	7.78	ug/l	95
20) Methylene Chloride	2.794	84	246	0.25	ug/l #	63
25) 2-Butanone	4.568	43	194	0.28	ug/l #	45
27) cis-1,2-Dichloroethene	4.501	96	237	0.24	ug/l	76
31) Cyclohexane	5.556	56	1818	1.45	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	6286	4.90	ug/l #	47
38) Carbon Tetrachloride	5.556	117	7835	6.25	ug/l #	15
51) 4-Methyl-2-Pentanone	8.659	43	985	0.64	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	29166	28.52	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	29166	67.58	ug/l #	12

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

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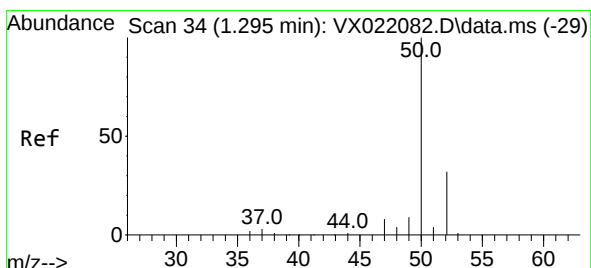
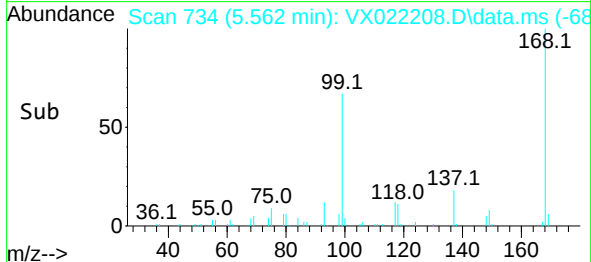
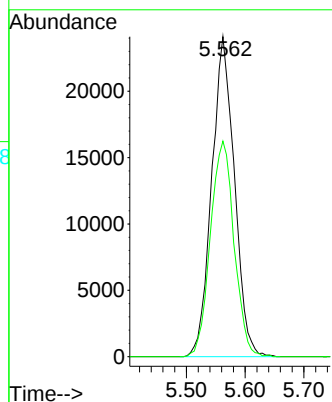
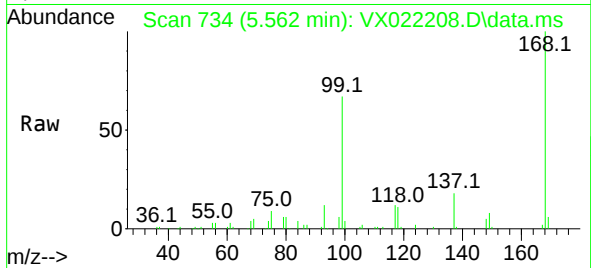




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

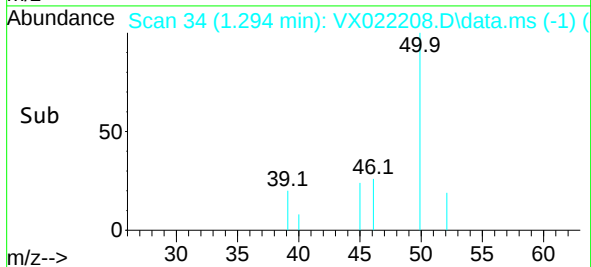
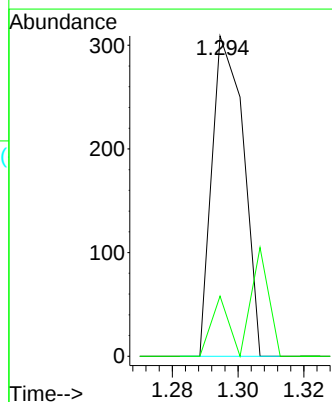
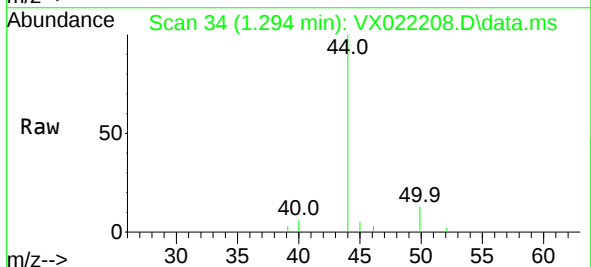
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210525

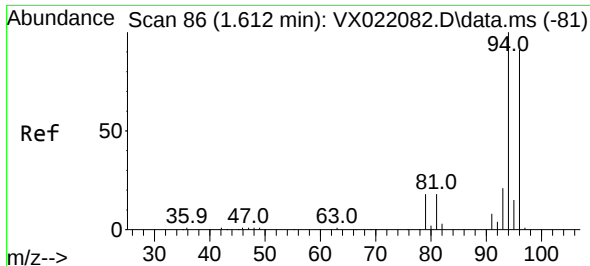
Tgt Ion:168 Resp: 64755
Ion Ratio Lower Upper
168 100
99 67.3 45.8 68.6



#3
Chloromethane
Concen: 0.24 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Tgt Ion: 50 Resp: 204
Ion Ratio Lower Upper
50 100
52 18.8 26.4 39.6#

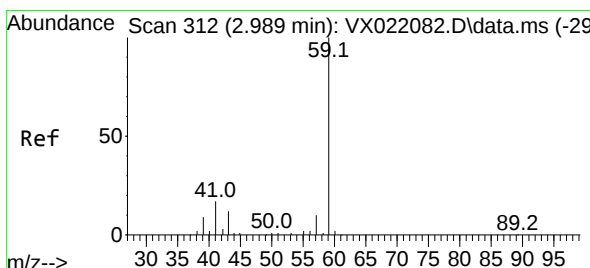
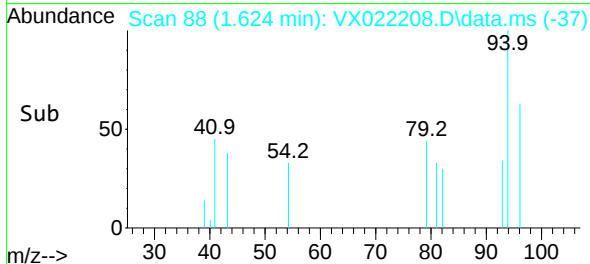
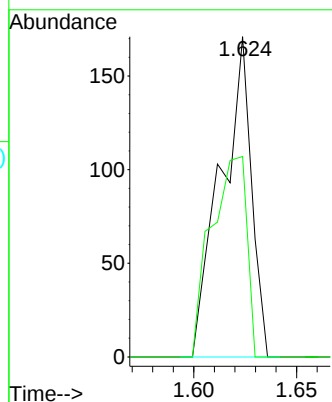
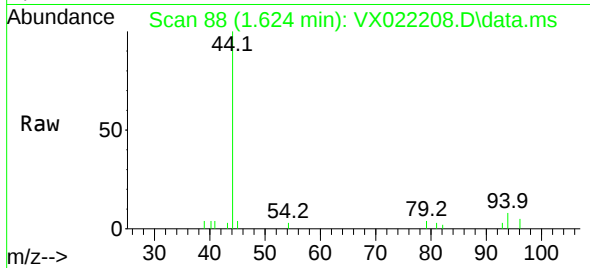




#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

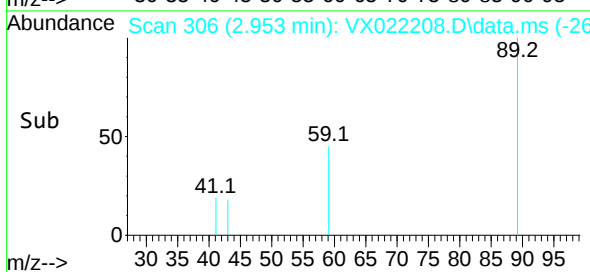
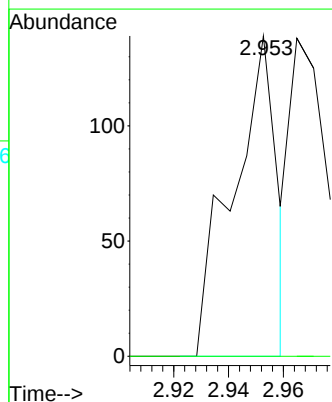
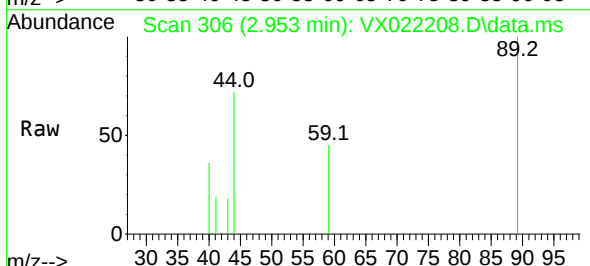
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210525

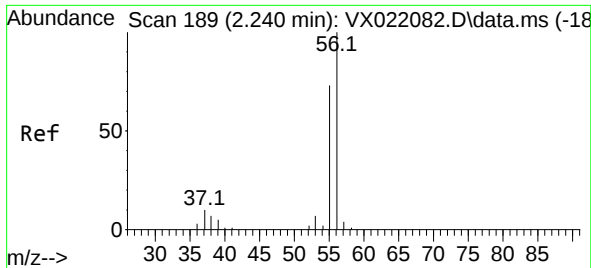
Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 62.6 76.4 114.6#



#11
Tert butyl alcohol
Concen: 0.68 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

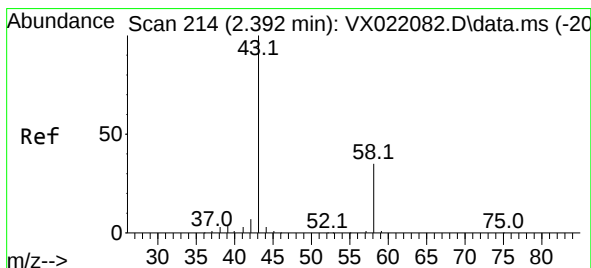
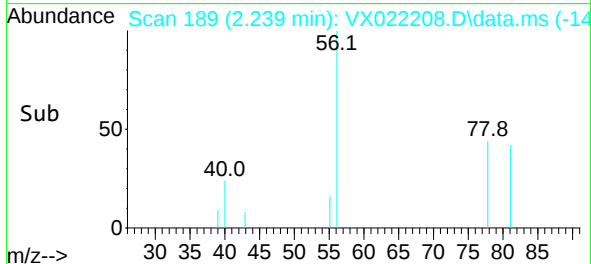
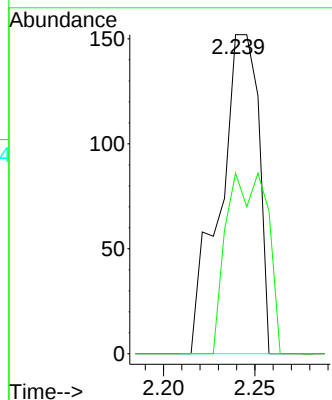
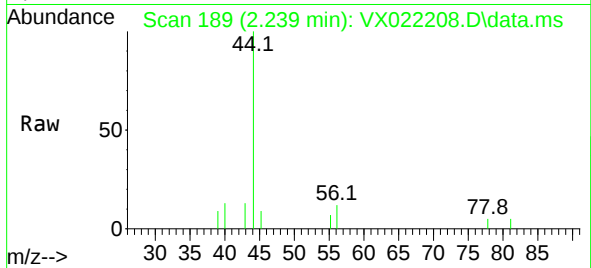




#13
Acrolein
Concen: 1.48 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

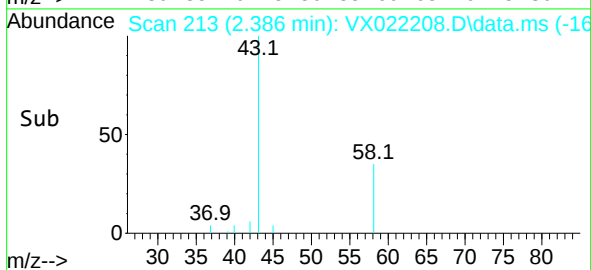
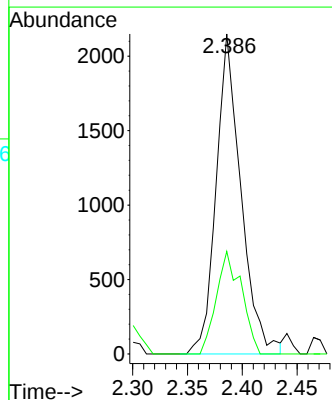
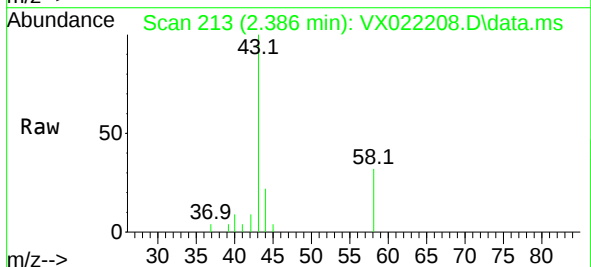
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210525

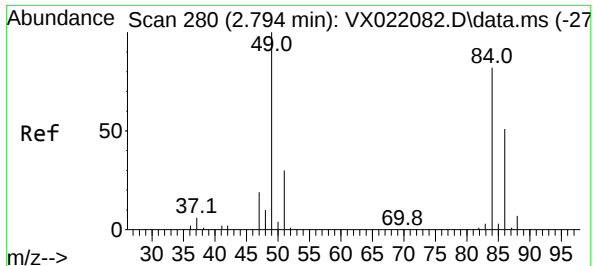
Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 60.0 56.4 84.6



#16
Acetone
Concen: 7.78 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Tgt Ion: 43 Resp: 3382
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8





#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022208.D

Acq: 26 May 2021 19:27

Tgt Ion: 84 Resp: 246

Ion Ratio Lower Upper

84 100

49 56.5 88.6 132.8#

51 21.6 27.0 40.6#

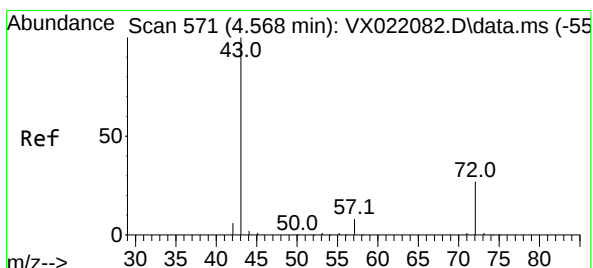
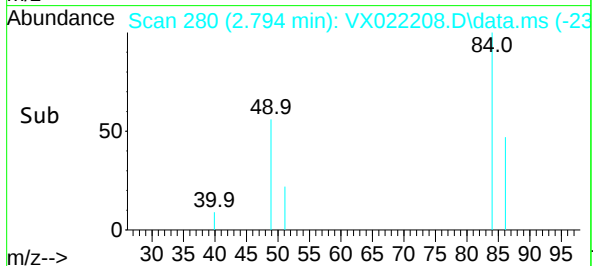
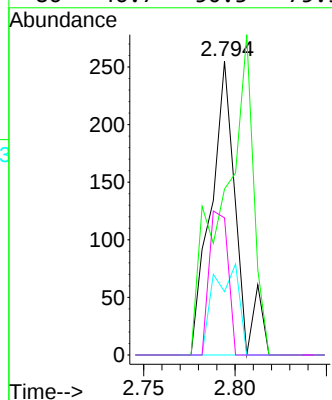
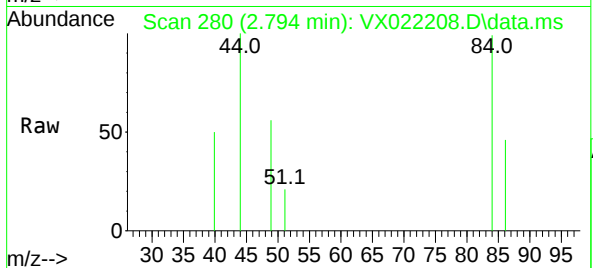
86 46.7 50.3 75.5#

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20210525



#25

2-Butanone

Concen: 0.28 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX022208.D

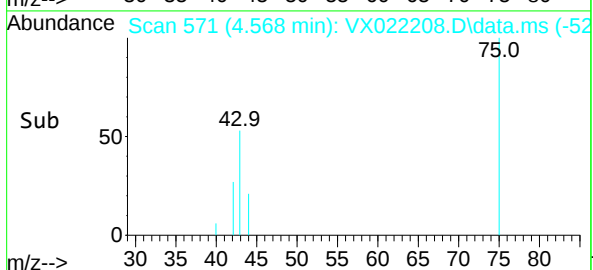
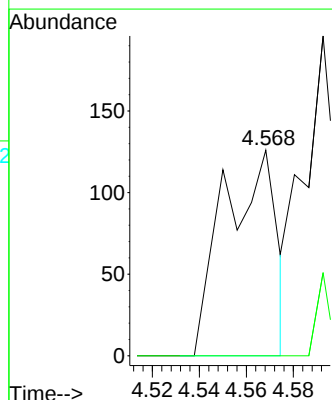
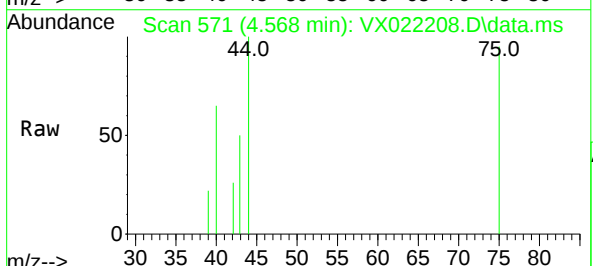
Acq: 26 May 2021 19:27

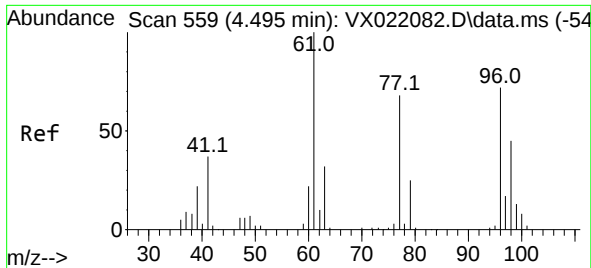
Tgt Ion: 43 Resp: 194

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022208.D

Acq: 26 May 2021 19:27

Tgt Ion: 96 Resp: 237

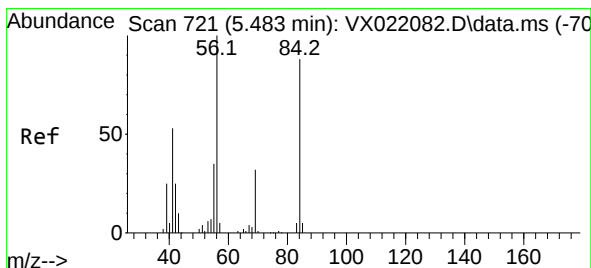
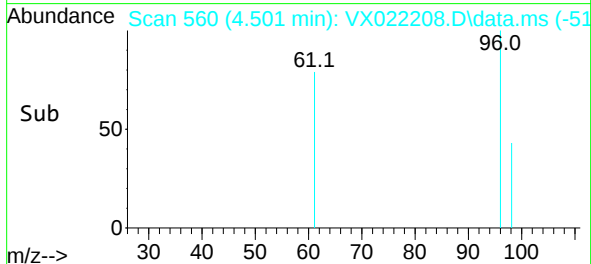
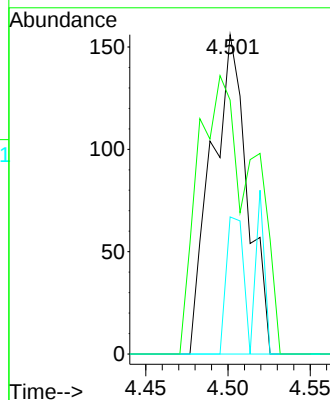
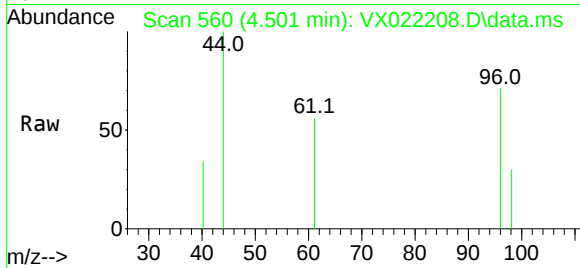
Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	285.6
98	20.3	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

ROOF-DRAIN-20210525



#31

Cyclohexane

Concen: 1.45 ug/l

RT: 5.556 min Scan# 733

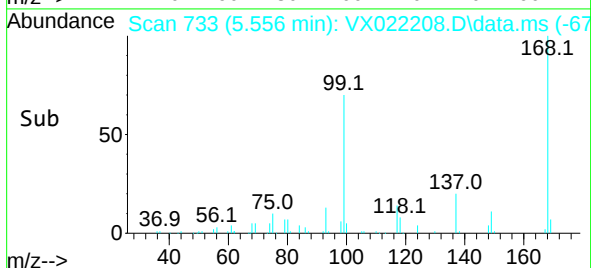
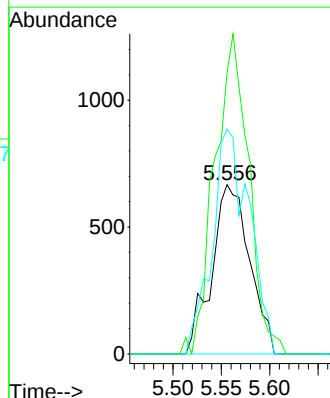
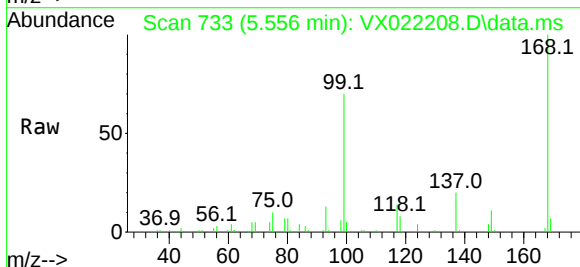
Delta R.T. 0.073 min

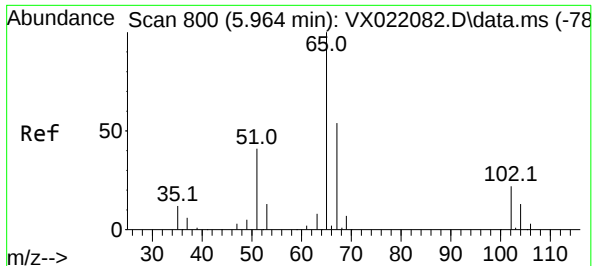
Lab File: VX022208.D

Acq: 26 May 2021 19:27

Tgt Ion: 56 Resp: 1818

Ion	Ratio	Lower	Upper
56	100		
69	166.3	25.3	37.9#
84	132.8	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.97 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022208.D

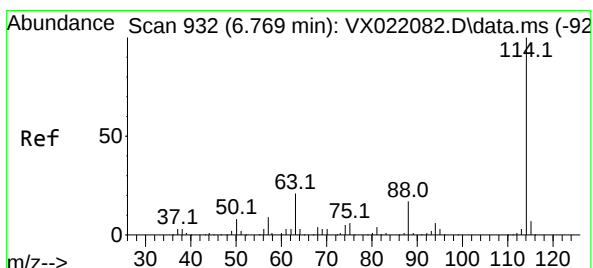
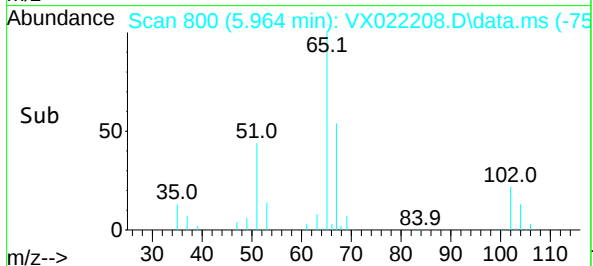
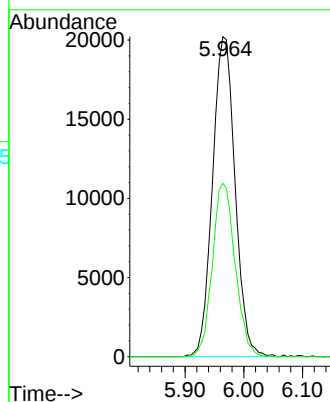
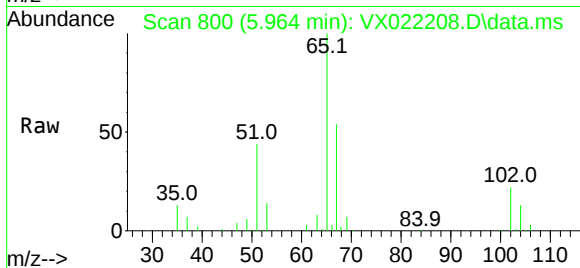
Acq: 26 May 2021 19:27

Tgt Ion: 65 Resp: 53909

Ion Ratio Lower Upper

65 100

67 54.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022208.D

Acq: 26 May 2021 19:27

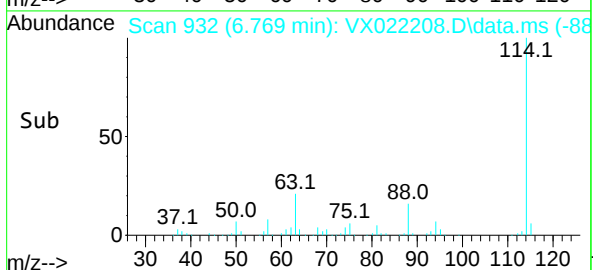
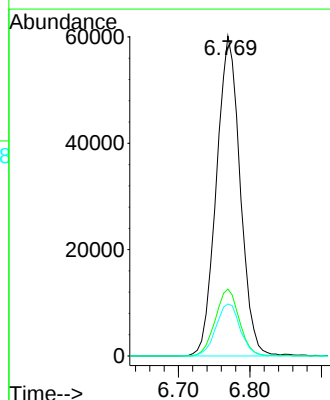
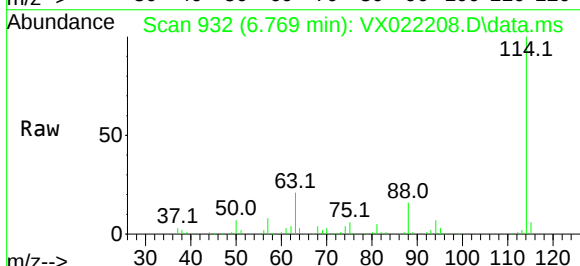
Tgt Ion: 114 Resp: 138672

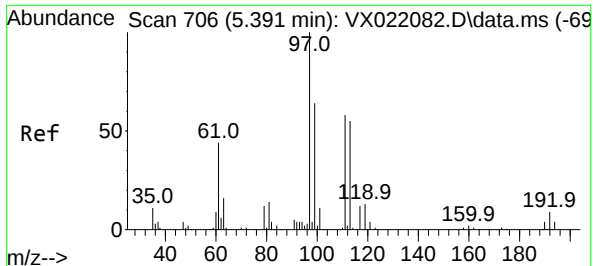
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.01 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022208.D

Acq: 26 May 2021 19:27

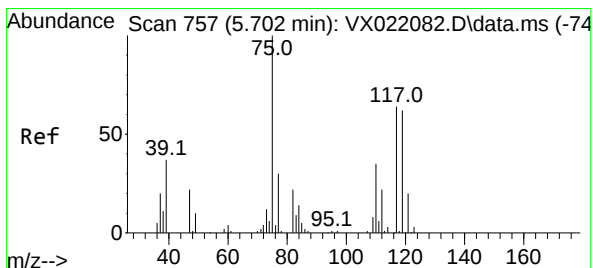
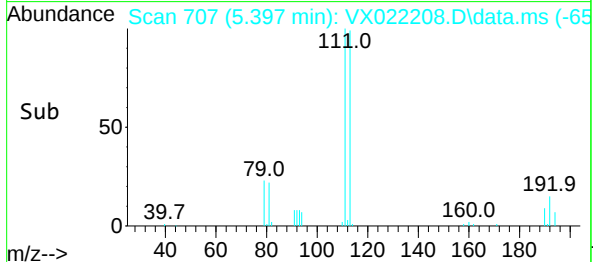
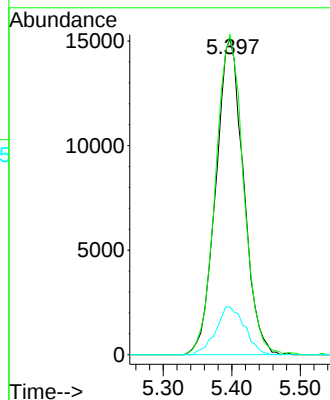
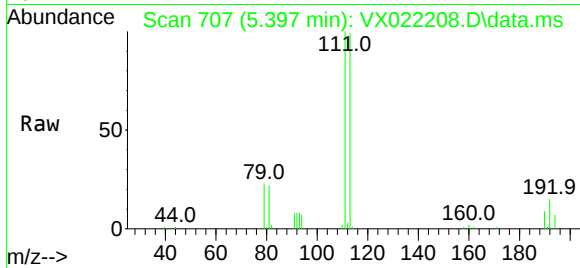
Tgt Ion:113 Resp: 42223

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 15.8 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.90 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022208.D

Acq: 26 May 2021 19:27

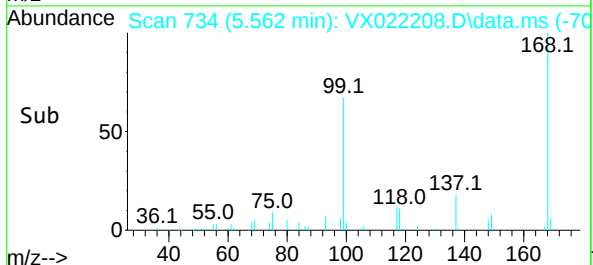
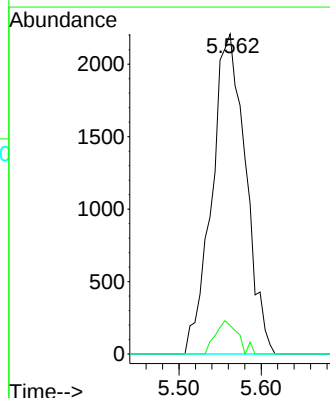
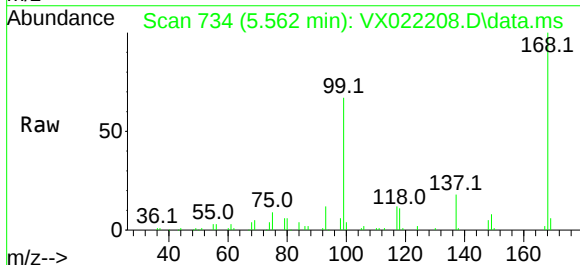
Tgt Ion: 75 Resp: 6286

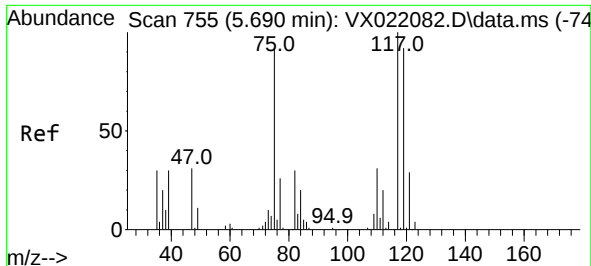
Ion Ratio Lower Upper

75 100

110 7.0 18.1 54.4#

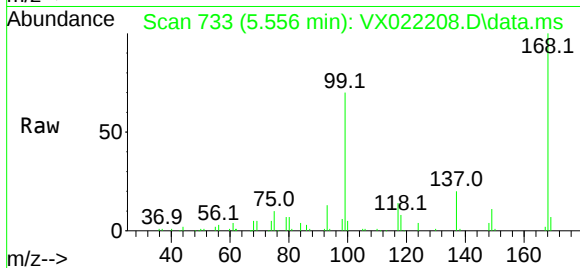
77 0.0 25.3 37.9#



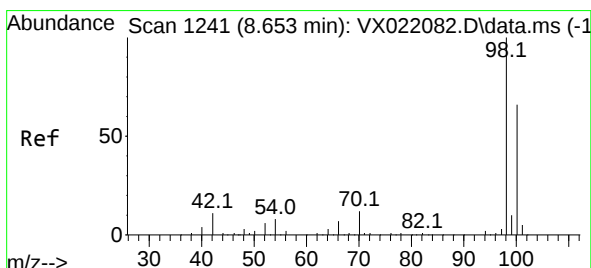
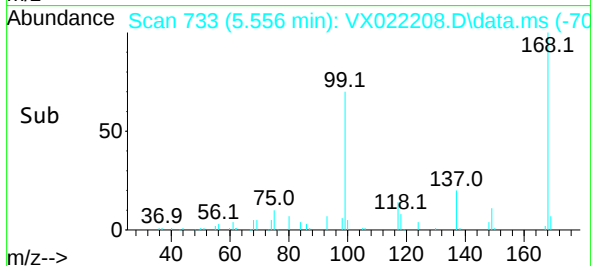
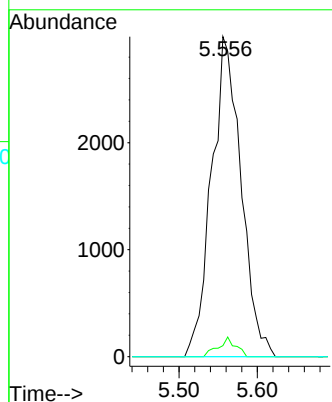


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210525

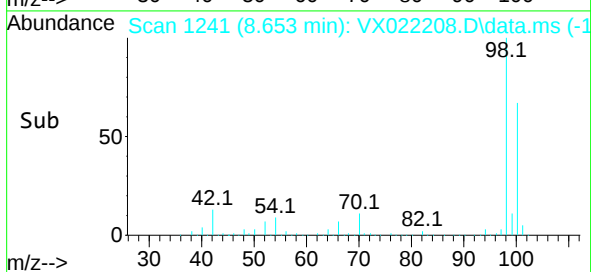
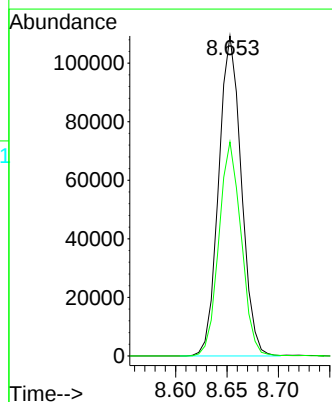
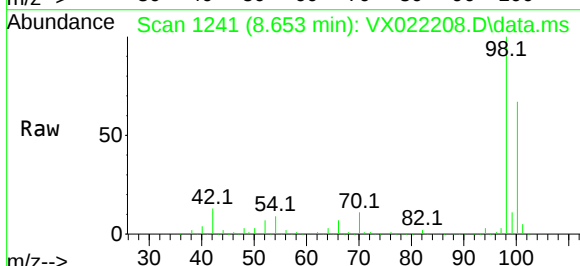


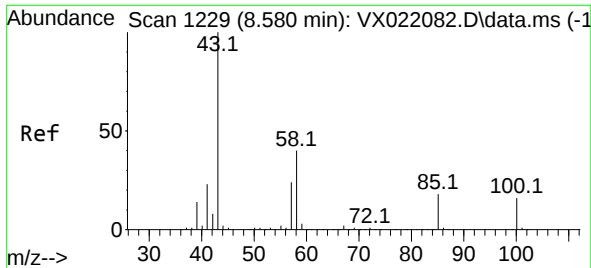
Tgt Ion:117 Resp: 7835
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.41 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Tgt Ion: 98 Resp: 167382
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

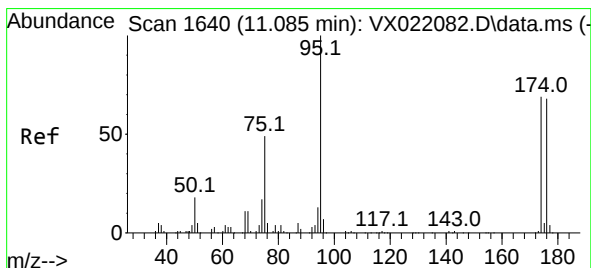
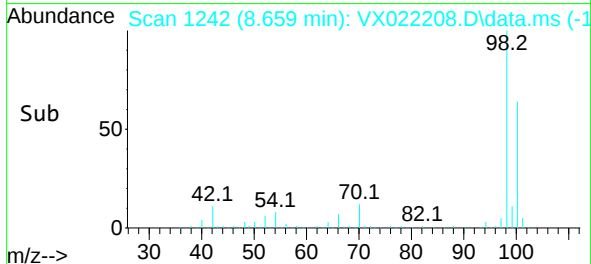
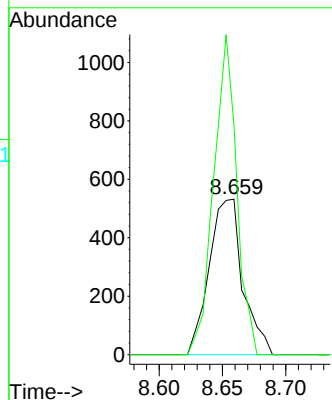
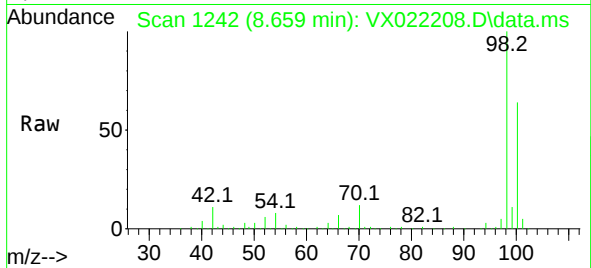




#51
4-Methyl-2-Pentanone
Concen: 0.64 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

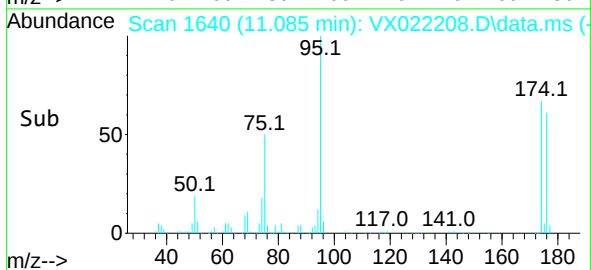
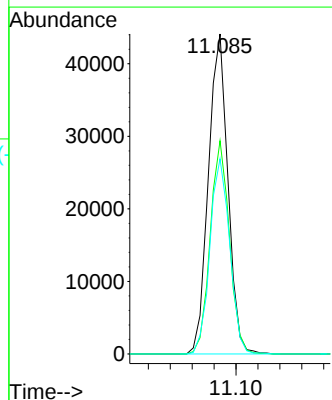
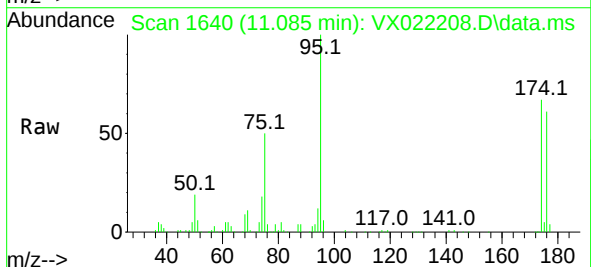
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210525

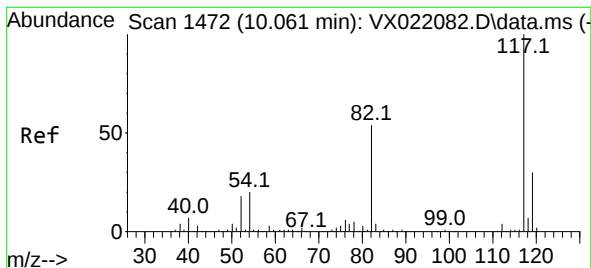
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 140.6 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 43.52 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Tgt Ion: 95 Resp: 54487
Ion Ratio Lower Upper
95 100
174 65.6 0.0 154.6
176 61.8 0.0 155.8

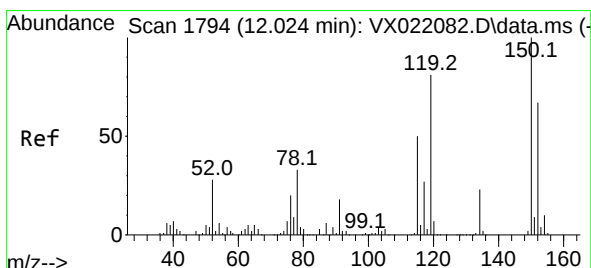
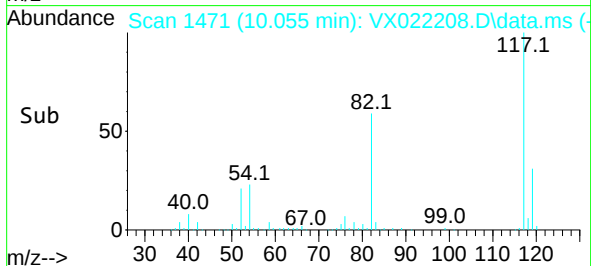
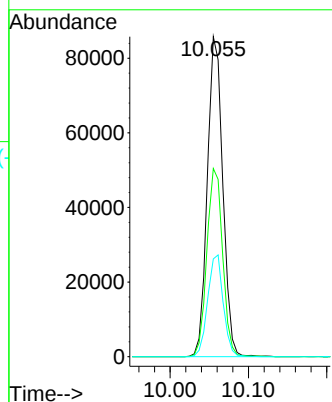
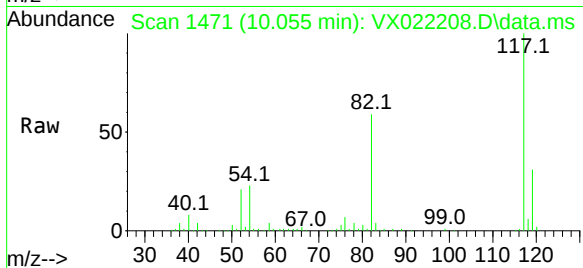




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

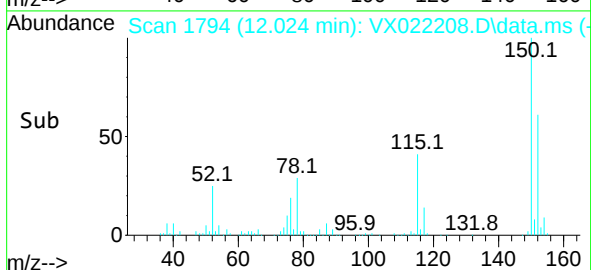
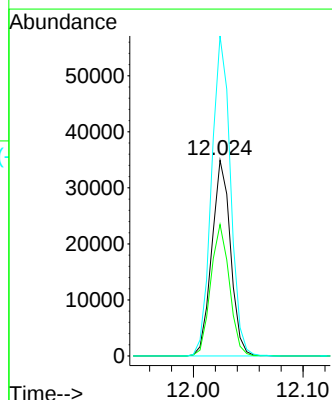
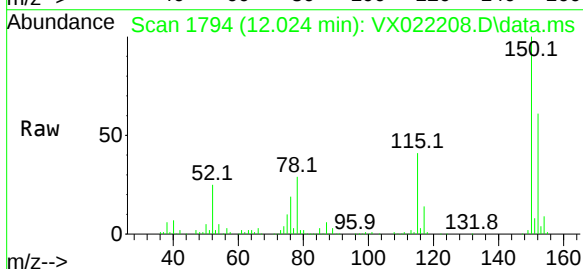
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210525

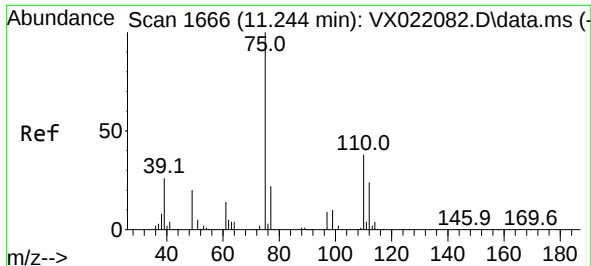
Tgt Ion:117 Resp: 117241
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 30.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Tgt Ion:152 Resp: 41447
Ion Ratio Lower Upper
152 100
115 67.0 41.1 123.3
150 165.3 0.0 349.0

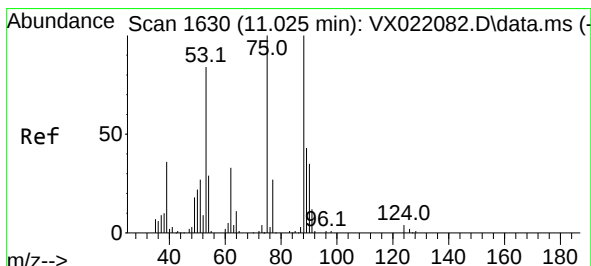
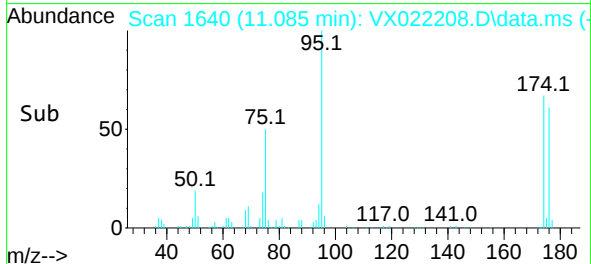
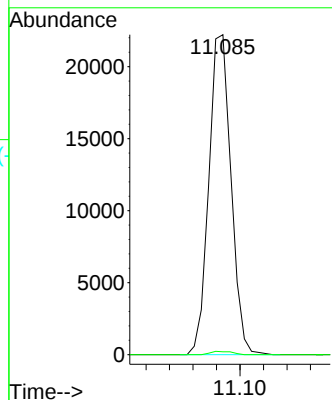
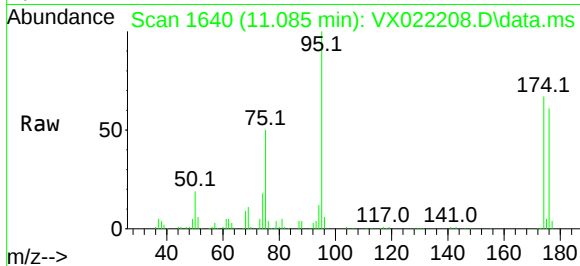




#76
1,2,3-Trichloropropane
Concen: 28.52 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210525

Tgt Ion: 75 Resp: 29166
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.58 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022208.D
Acq: 26 May 2021 19:27

Tgt Ion: 75 Resp: 29166
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

