

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072022\
 Data File : VY009618.D
 Acq On : 20 Jul 2022 17:29
 Operator : KP/MD
 Sample : N3726-04
 Misc : 6.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SEPTIC-12-12.5

Quant Time: Jul 21 02:15:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

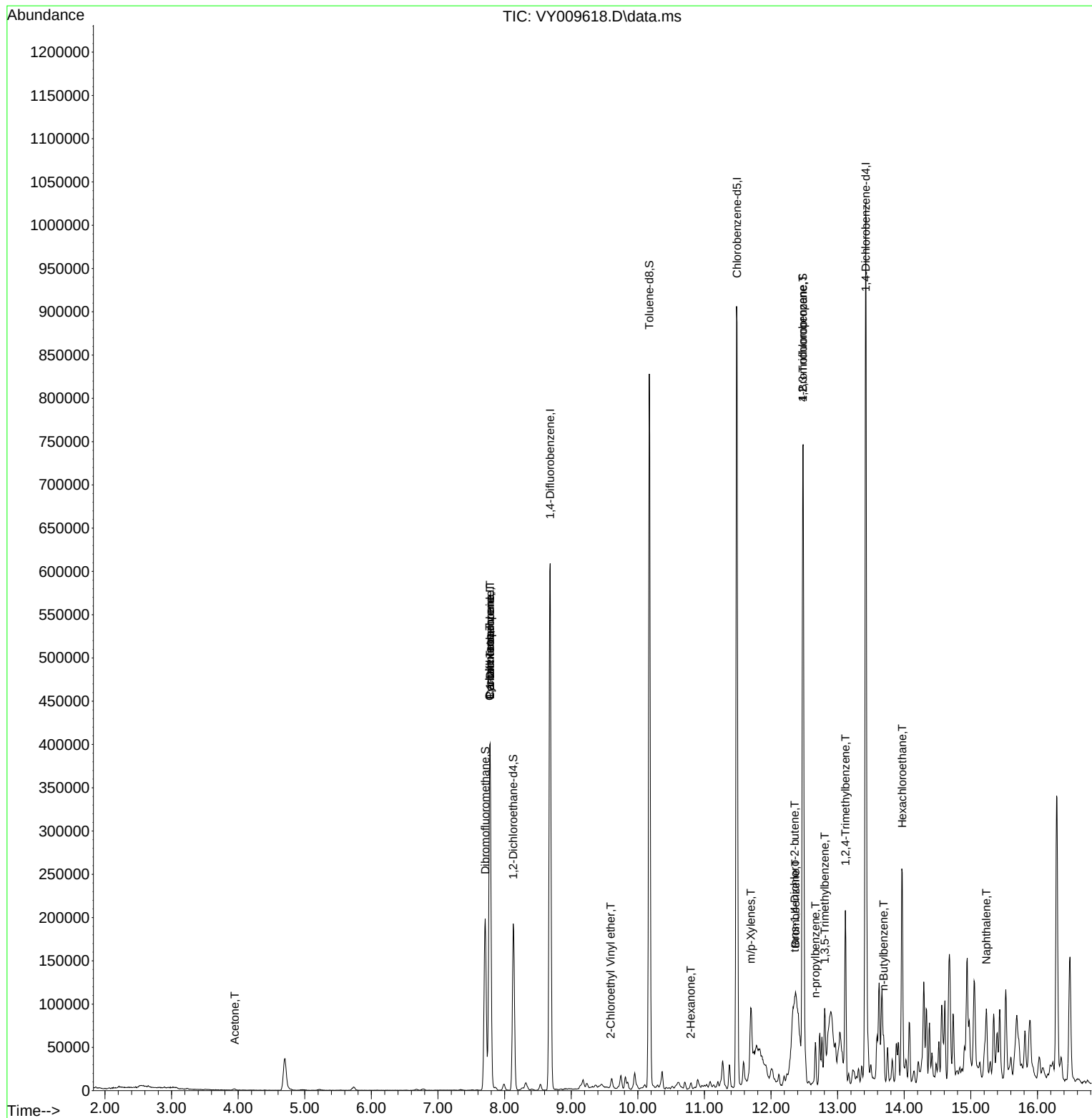
Internal Standards						
1) Pentafluorobenzene	7.783	168	342162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	562186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	534993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	267270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	143938	44.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.960%
35) Dibromofluoromethane	7.710	113	142766	40.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.620%
50) Toluene-d8	10.173	98	543990	39.954	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	79.900%
62) 4-Bromofluorobenzene	12.477	95	197599	44.788	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	89.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	1182	Below Cal	#	77
16) Acetone	3.948	43	2585	3.158	ug/l #	86
20) Methylene Chloride	4.704	84	30467	Below Cal	#	74
31) Cyclohexane	7.777	56	6658	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	21913	4.187	ug/l #	50
38) Carbon Tetrachloride	7.783	117	30681	5.600	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.593	63	23	28.290	ug/l #	48
59) 2-Hexanone	10.794	43	3203	1.662	ug/l #	31
68) m/p-Xylenes	11.697	106	21796	2.848	ug/l	94
76) 1,2,3-Trichloropropane	12.477	75	95844	37.644	ug/l #	100
77) Bromobenzene	12.367	156	143233	30.781	ug/l #	1
78) n-propylbenzene	12.666	91	36920	1.651	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	26714	1.747	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.355	75	4589	3.554	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.117	105	104658	6.844	ug/l	98
89) n-Butylbenzene	13.690	91	32544	2.105	ug/l #	75
90) Hexachloroethane	13.971	117	7933	2.433	ug/l #	6
95) Naphthalene	15.233	128	54950	5.702	ug/l	99

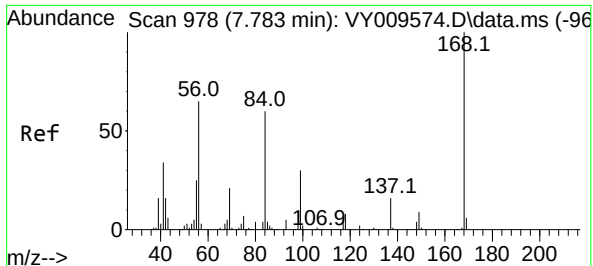
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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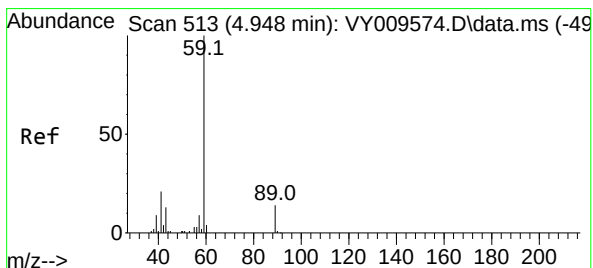
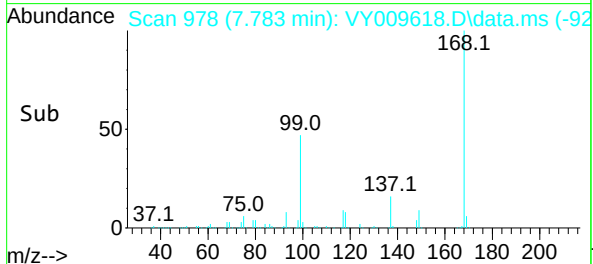
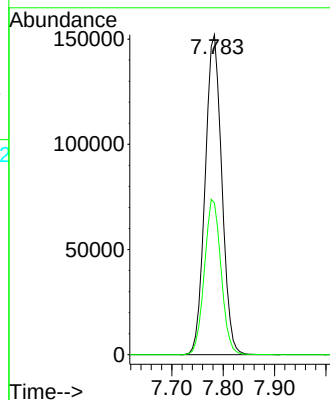
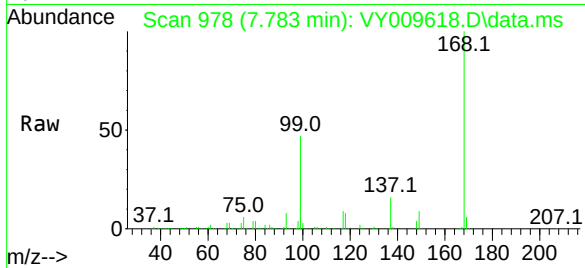




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

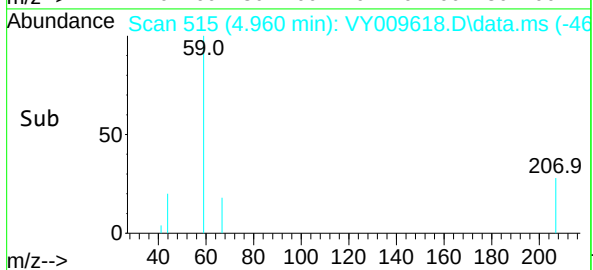
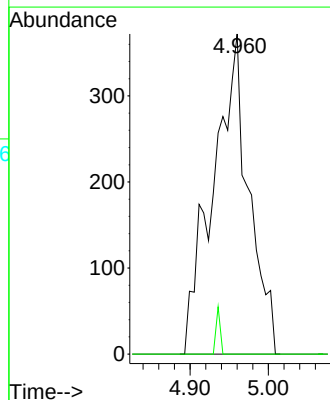
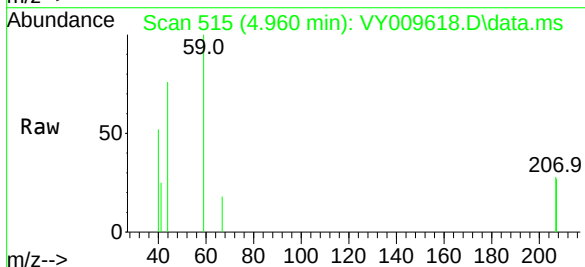
Instrument :
MSVOA_Y
ClientSampleId :
SEPTIC-12-12.5

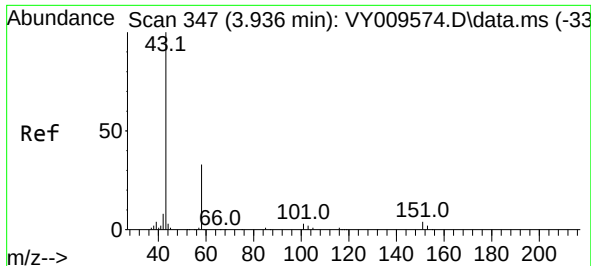
Tgt Ion:168 Resp: 342162
Ion Ratio Lower Upper
168 100
99 47.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion: 59 Resp: 1182
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 3.158 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.012 min

Lab File: VY009618.D

Acq: 20 Jul 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

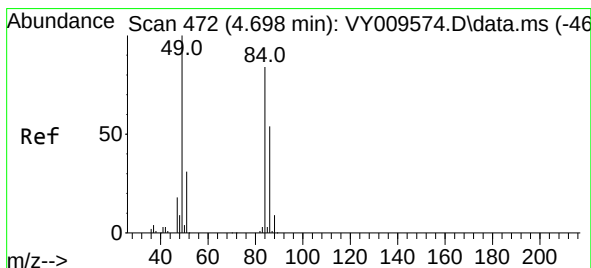
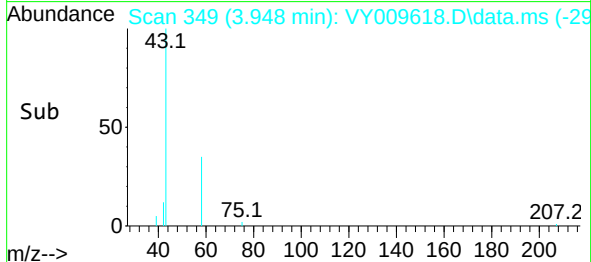
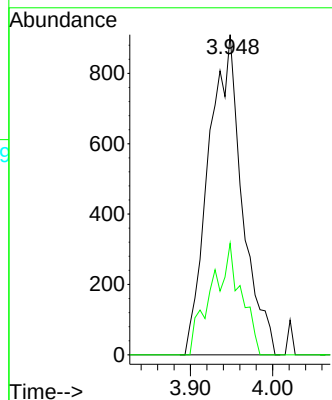
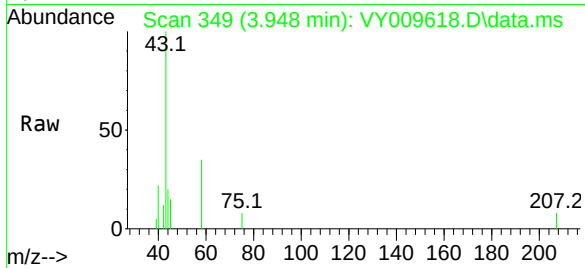
SEPTIC-12-12.5

Tgt Ion: 43 Resp: 2585

Ion Ratio Lower Upper

43 100

58 34.8 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009618.D

Acq: 20 Jul 2022 17:29

Tgt Ion: 84 Resp: 30467

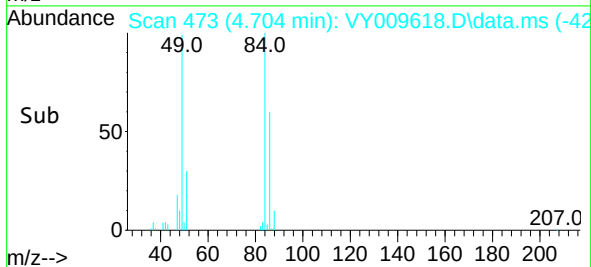
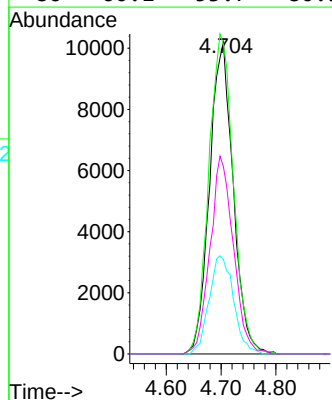
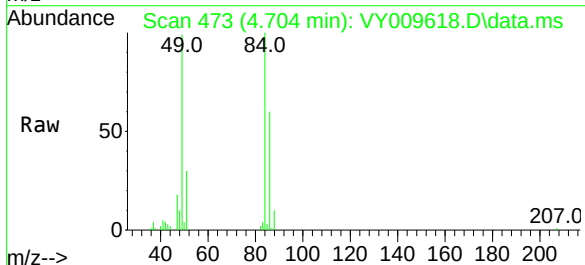
Ion Ratio Lower Upper

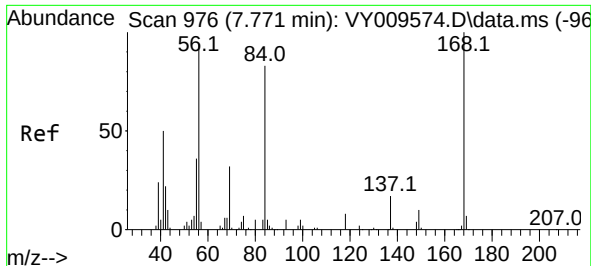
84 100

49 99.4 114.4 171.6#

51 30.3 35.3 52.9#

86 60.1 53.7 80.5

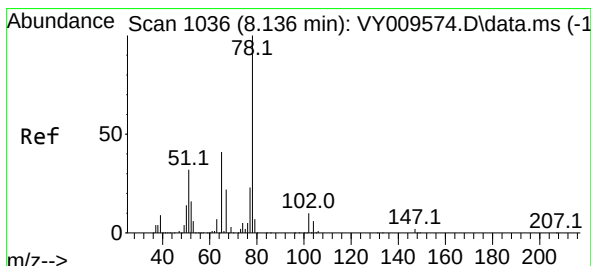
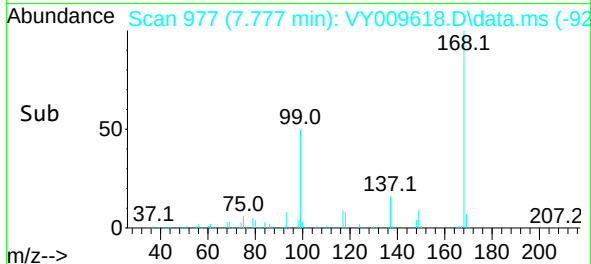
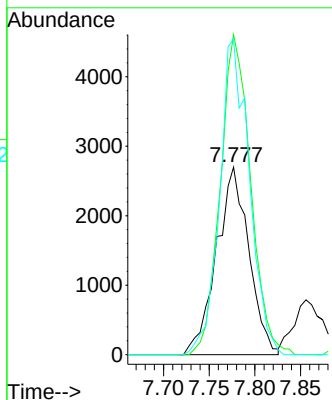
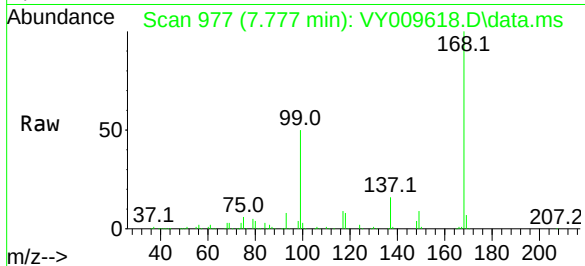




#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

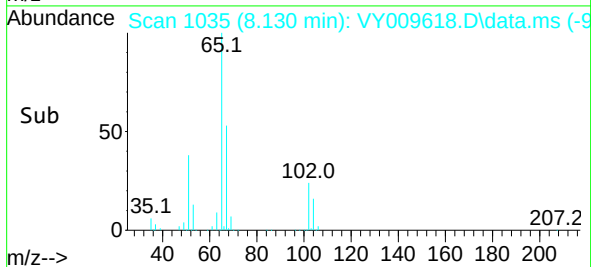
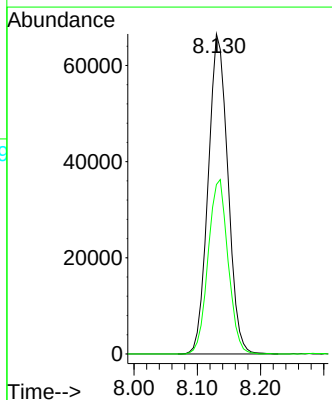
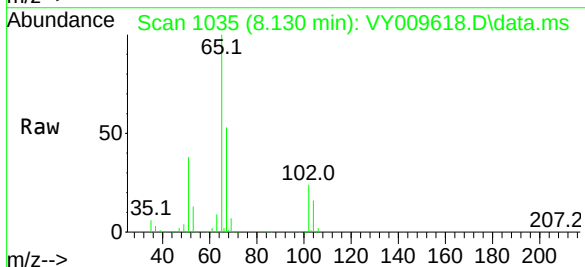
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SEPTIC-12-12.5

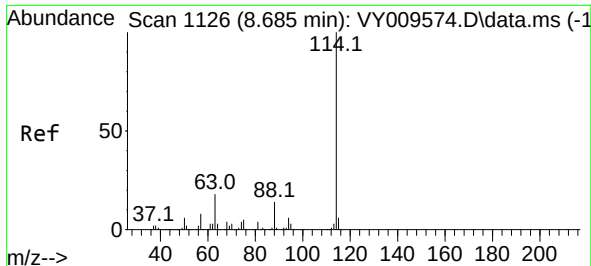
Tgt Ion: 56 Resp: 6658
Ion Ratio Lower Upper
56 100
69 170.7 26.7 40.1#
84 168.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 44.480 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion: 65 Resp: 143938
Ion Ratio Lower Upper
65 100
67 55.1 0.0 99.4

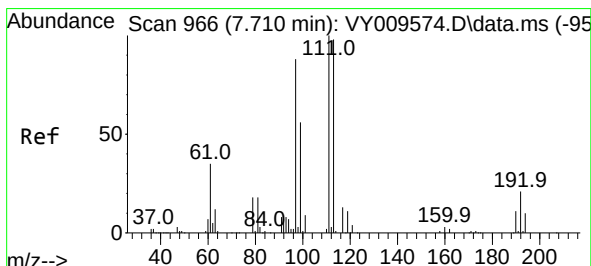
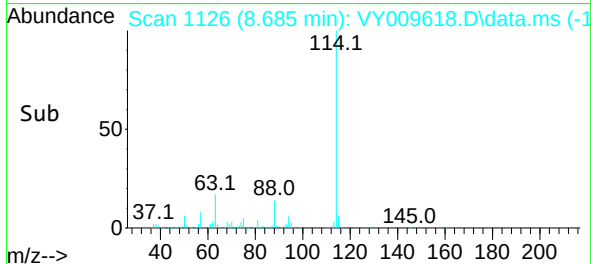
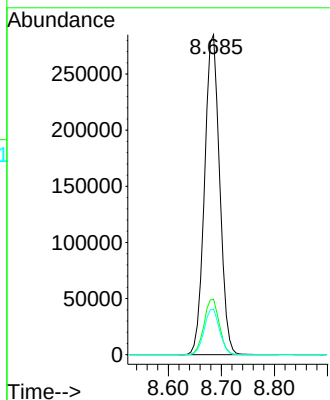
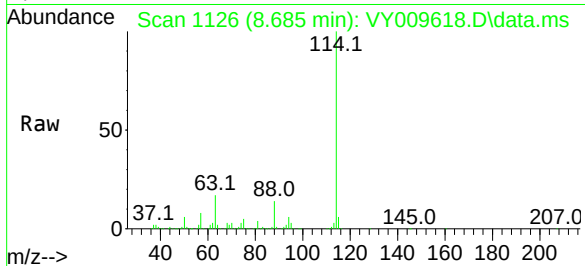




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

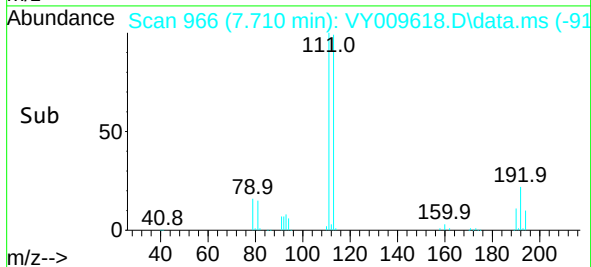
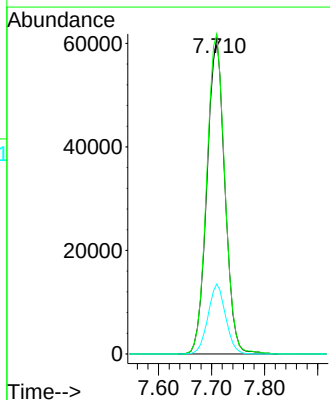
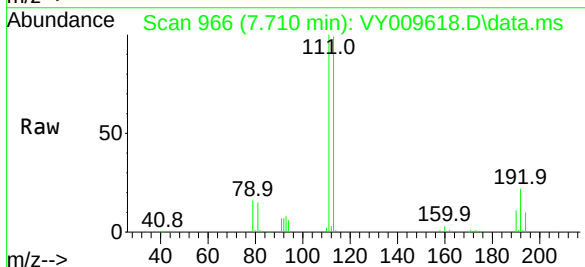
Instrument :
MSVOA_Y
ClientSampleId :
SEPTIC-12-12.5

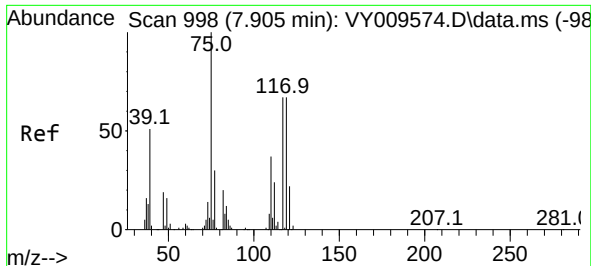
Tgt Ion:114 Resp: 562186
Ion Ratio Lower Upper
114 100
63 17.4 0.0 43.2
88 14.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 40.309 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion:113 Resp: 142766
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 21.7 17.6 26.4

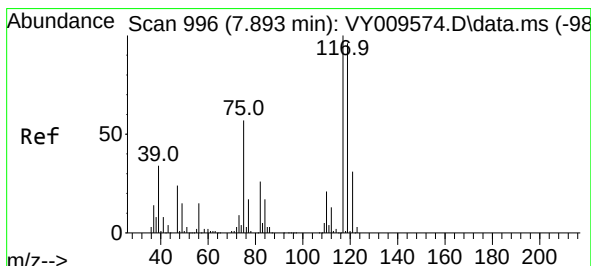
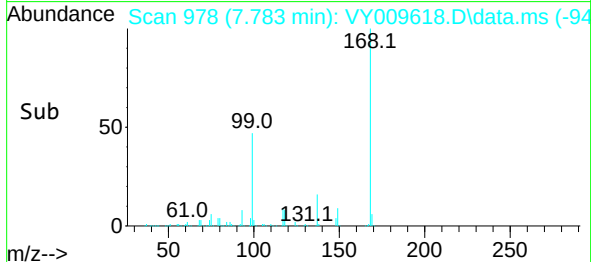
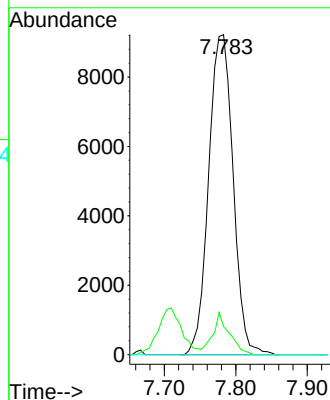
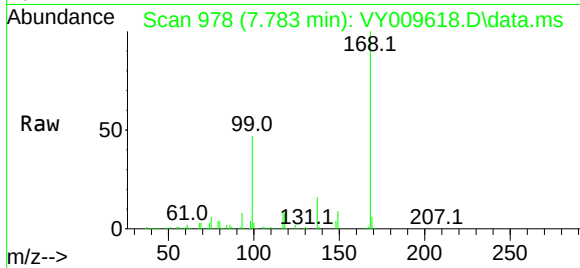




#36
1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

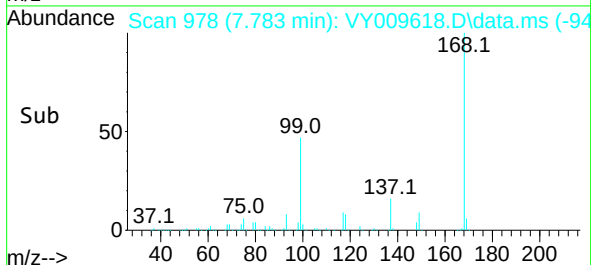
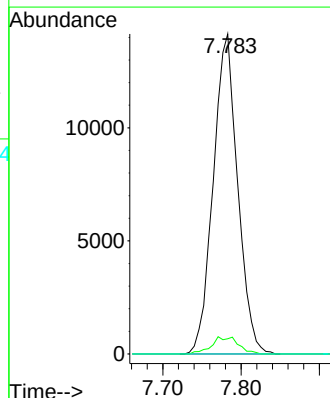
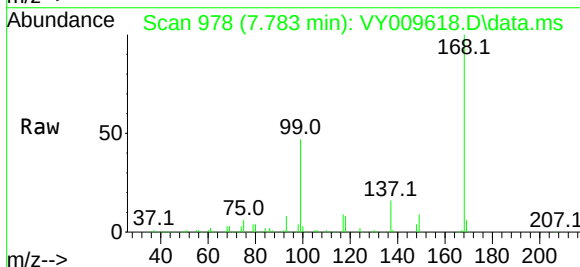
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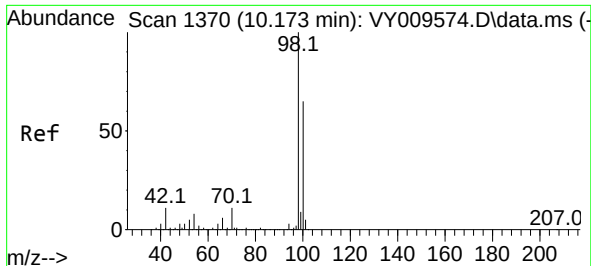
Tgt Ion: 75 Resp: 21913
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion: 117 Resp: 30681
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

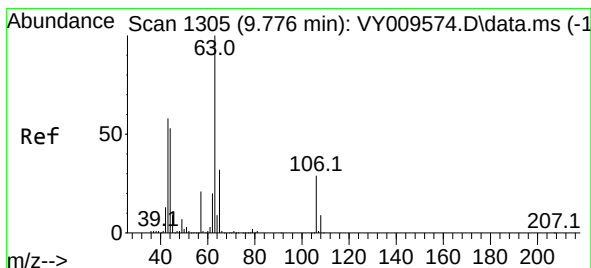
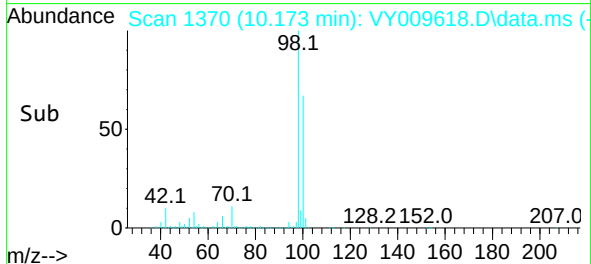
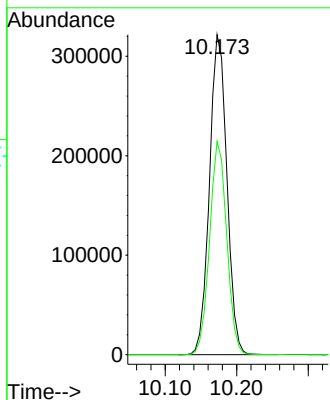
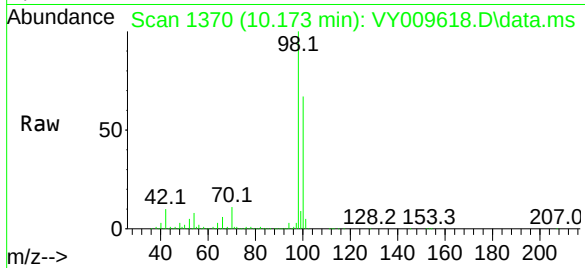




#50
Toluene-d8
Concen: 39.954 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

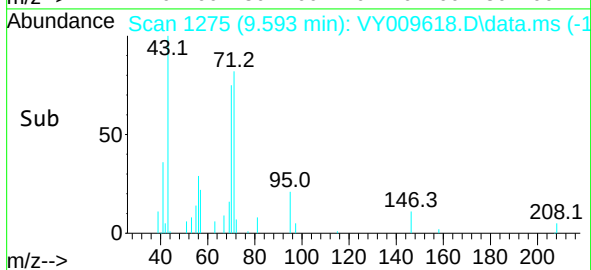
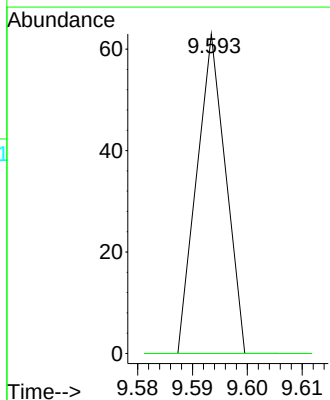
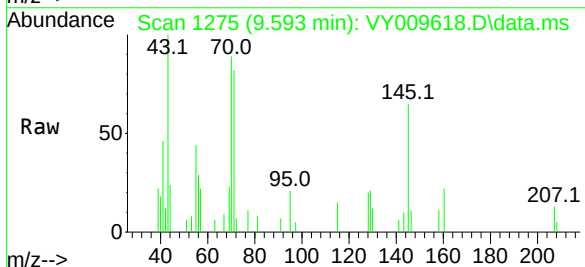
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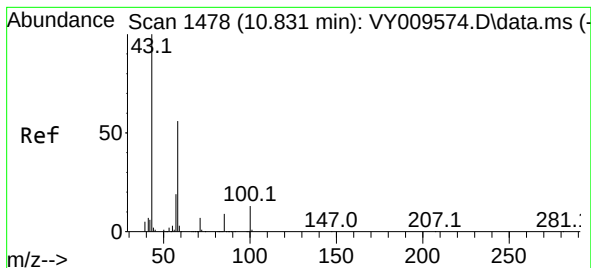
Tgt Ion: 98 Resp: 543990
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 28.290 ug/l
RT: 9.593 min Scan# 1275
Delta R.T. -0.183 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

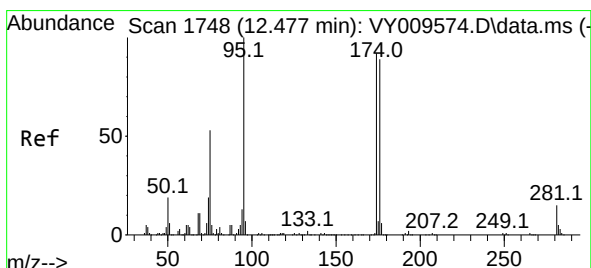
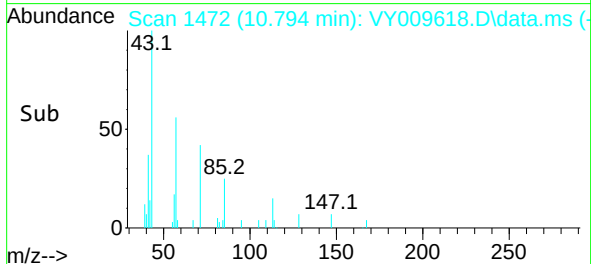
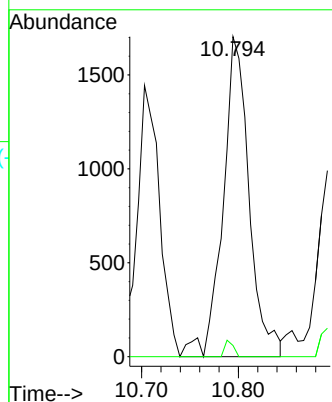
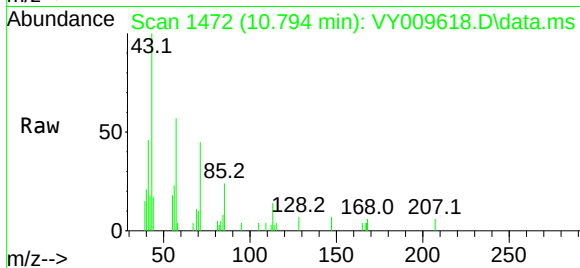




#59
2-Hexanone
Concen: 1.662 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

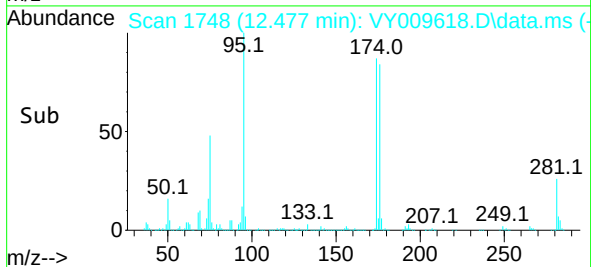
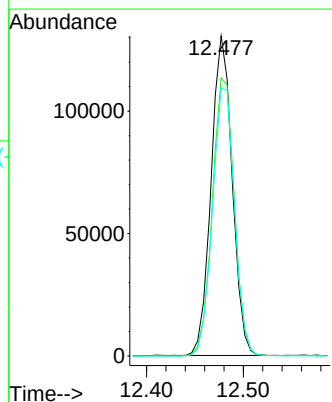
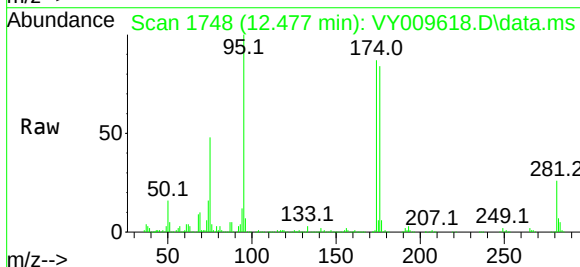
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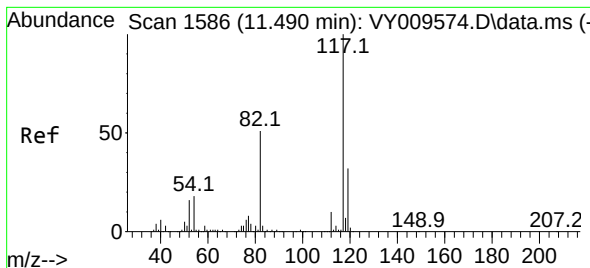
Tgt Ion: 43 Resp: 3203
Ion Ratio Lower Upper
43 100
58 1.7 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 44.788 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion: 95 Resp: 197599
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 87.7 0.0 175.8

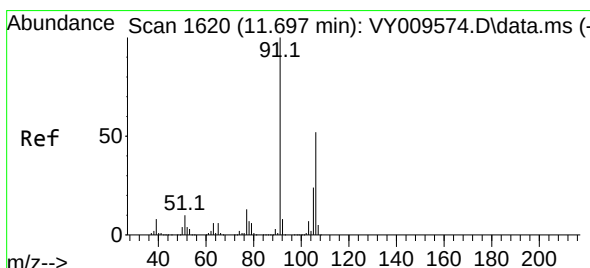
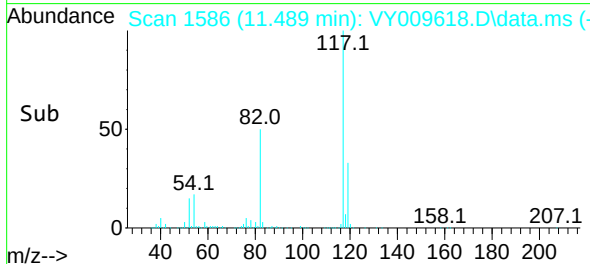
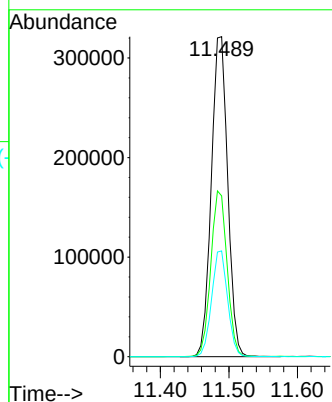
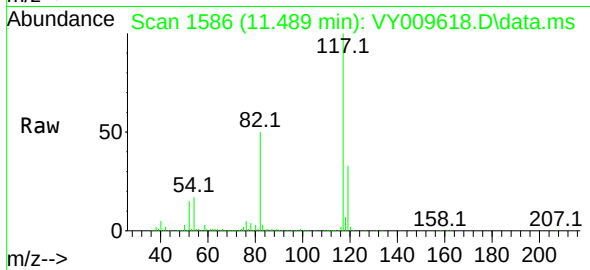




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

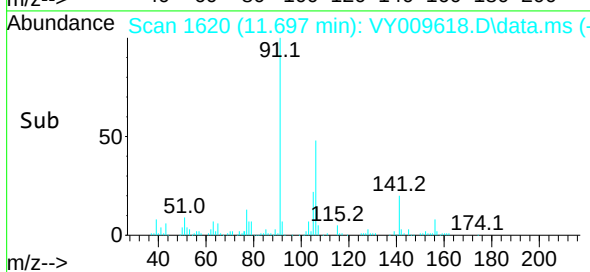
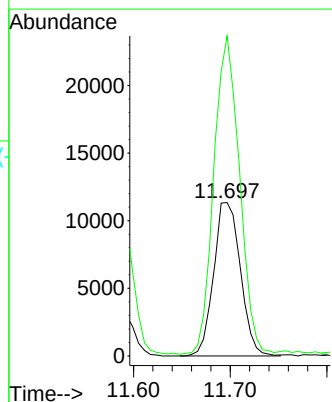
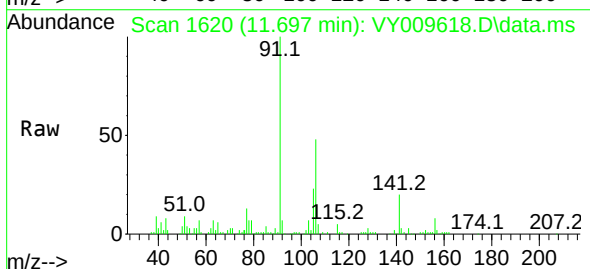
Instrument :
MSVOA_Y
ClientSampleId :
SEPTIC-12-12.5

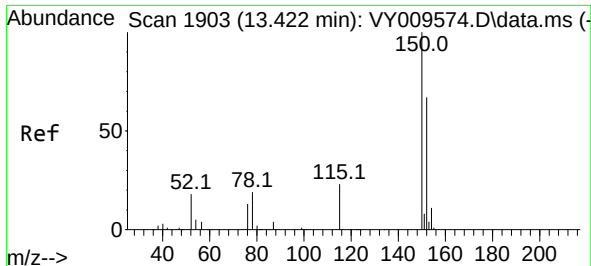
Tgt Ion:117 Resp: 534993
Ion Ratio Lower Upper
117 100
82 50.2 43.0 64.4
119 33.0 25.4 38.0



#68
m/p-Xylenes
Concen: 2.848 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion:106 Resp: 21796
Ion Ratio Lower Upper
106 100
91 198.8 166.6 249.8

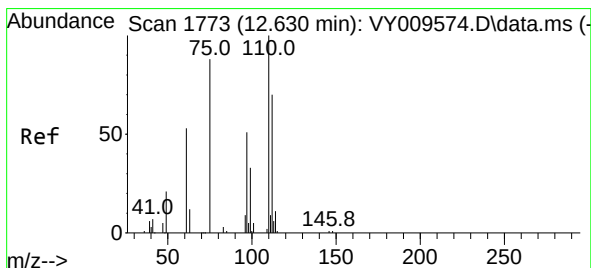
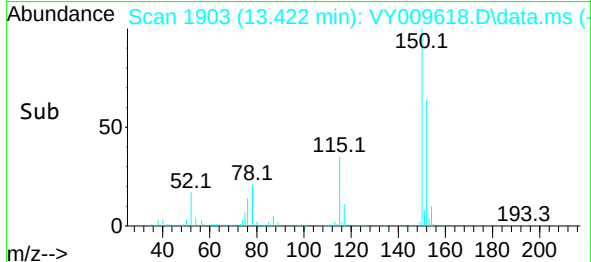
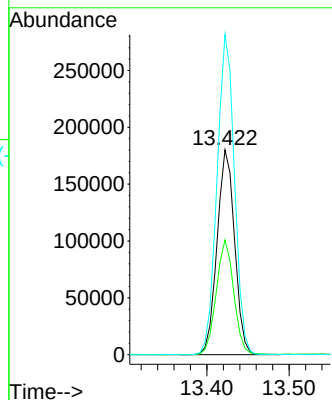
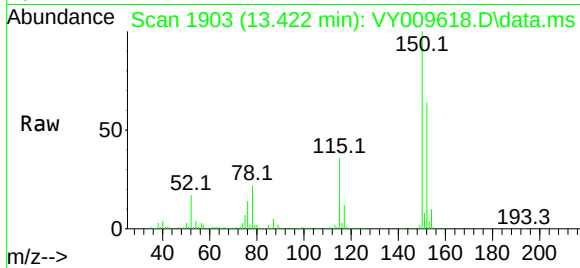




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY009618.D
 Acq: 20 Jul 2022 17:29

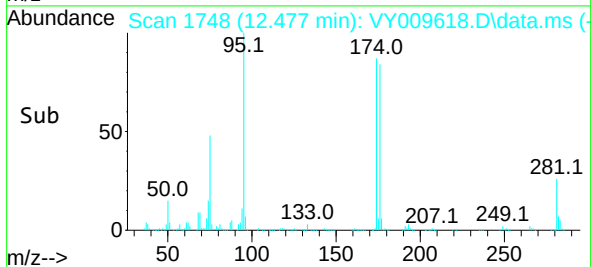
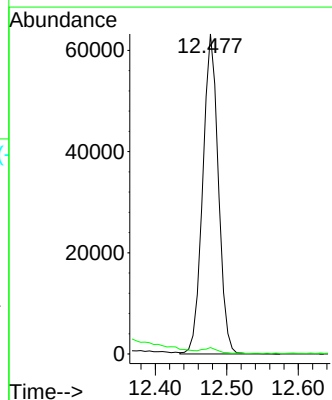
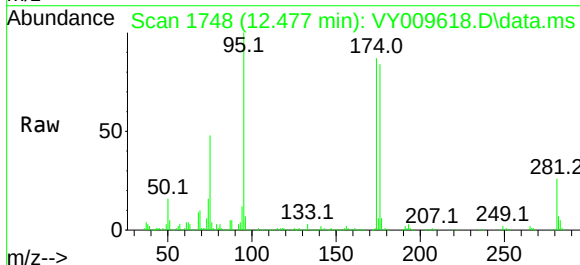
Instrument :
 MSVOA_Y
 ClientSampleId :
 SEPTIC-12-12.5

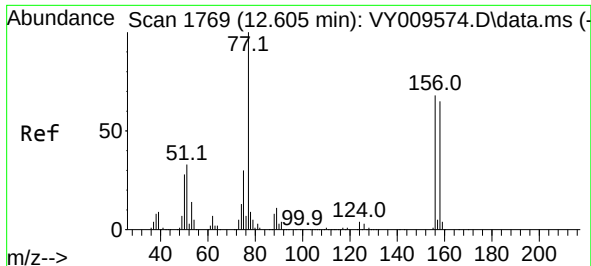
Tgt Ion:152 Resp: 267270
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.2 84.7
 150 155.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 37.644 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009618.D
 Acq: 20 Jul 2022 17:29

Tgt Ion: 75 Resp: 95844
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

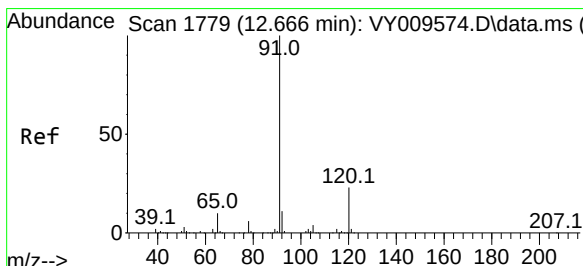
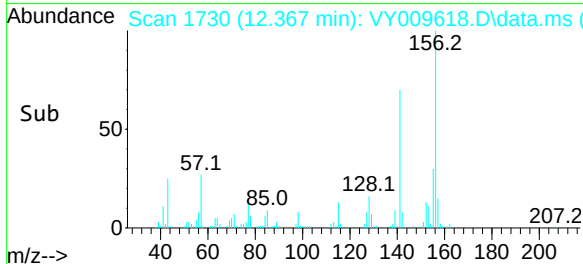
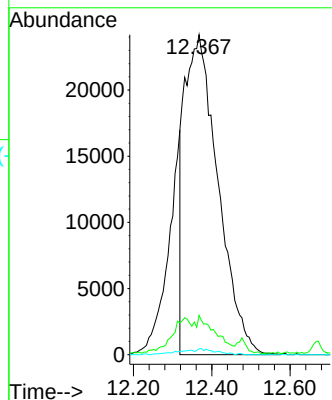
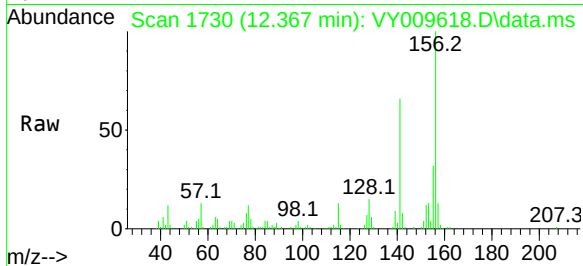




#77
Bromobenzene
Concen: 30.781 ug/l
RT: 12.367 min Scan# 1769
Delta R.T. -0.238 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

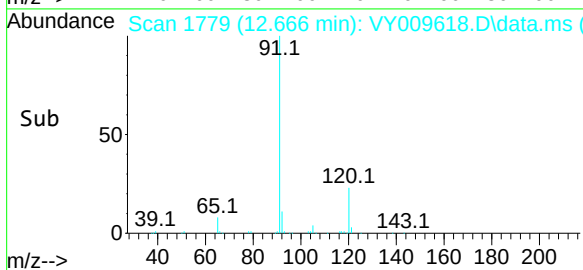
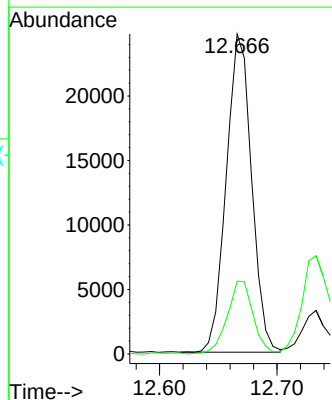
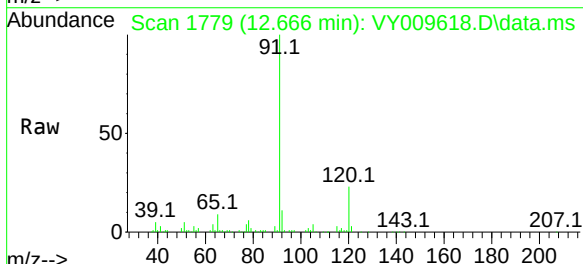
Instrument :
MSVOA_Y
ClientSampleId :
SEPTIC-12-12.5

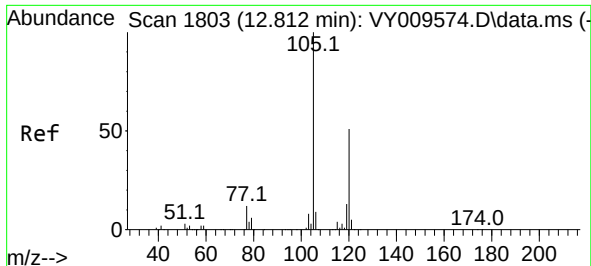
Tgt Ion:156 Resp: 143233
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.3 48.0 144.0#



#78
n-propylbenzene
Concen: 1.651 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion: 91 Resp: 36920
Ion Ratio Lower Upper
91 100
120 23.4 11.3 33.9

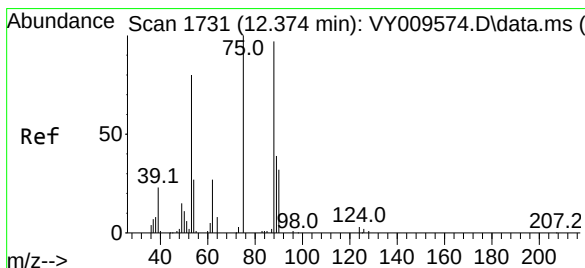
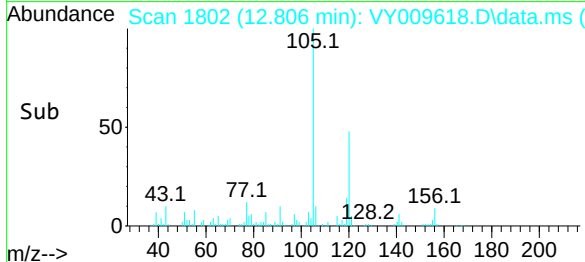
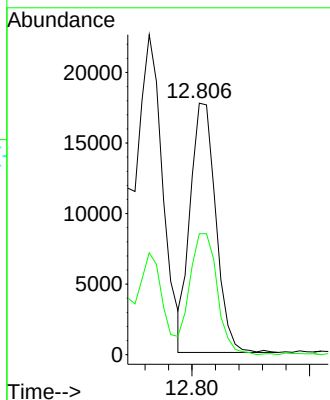
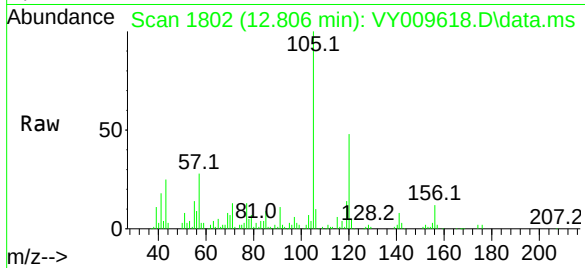




#80
1,3,5-Trimethylbenzene
Concen: 1.747 ug/l
RT: 12.806 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

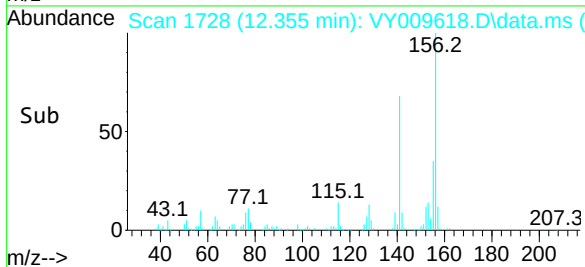
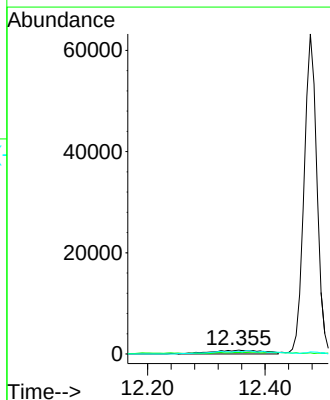
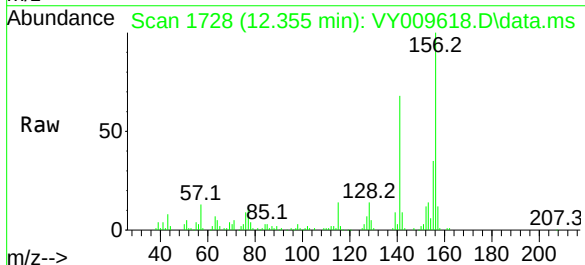
Instrument :
MSVOA_Y
ClientSampleId :
SEPTIC-12-12.5

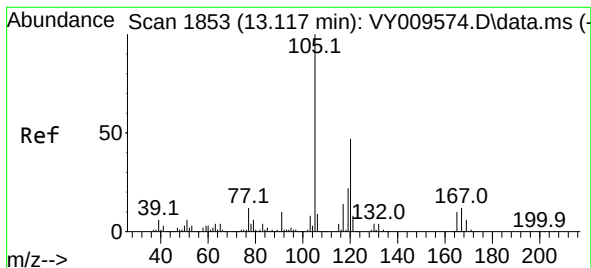
Tgt Ion:105 Resp: 26714
Ion Ratio Lower Upper
105 100
120 51.1 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 3.554 ug/l
RT: 12.355 min Scan# 1728
Delta R.T. -0.018 min
Lab File: VY009618.D
Acq: 20 Jul 2022 17:29

Tgt Ion: 75 Resp: 4589
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 5.7 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 6.844 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY009618.D

Acq: 20 Jul 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

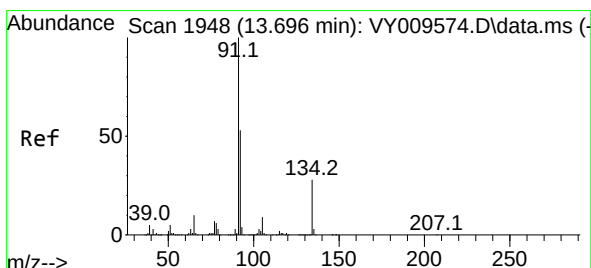
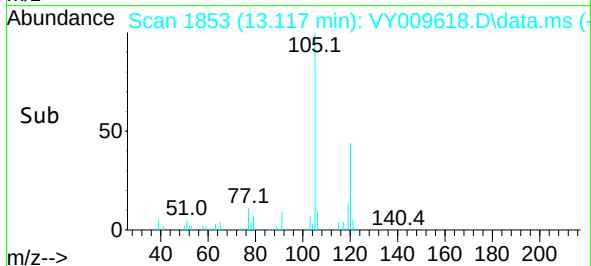
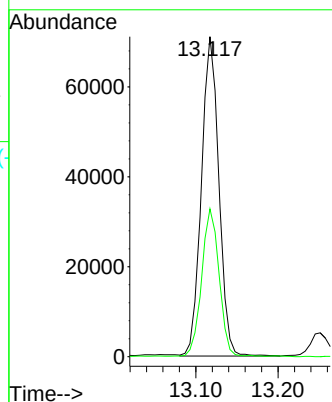
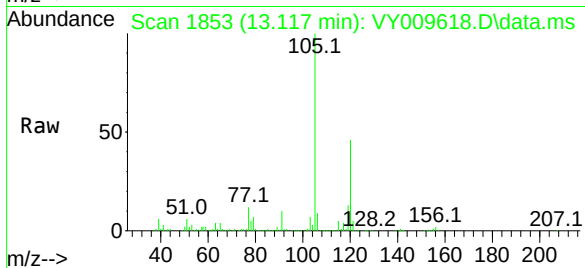
SEPTIC-12-12.5

Tgt Ion:105 Resp: 104658

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.9



#89

n-Butylbenzene

Concen: 2.105 ug/l

RT: 13.690 min Scan# 1947

Delta R.T. -0.006 min

Lab File: VY009618.D

Acq: 20 Jul 2022 17:29

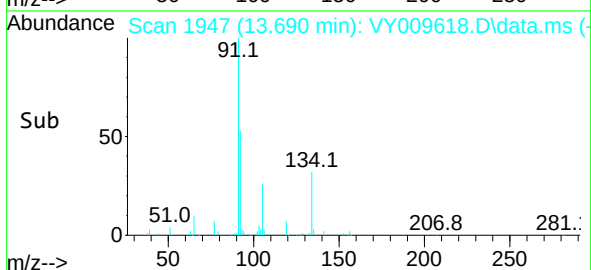
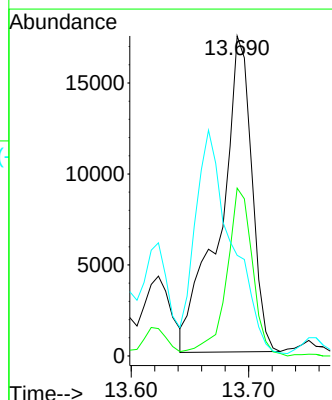
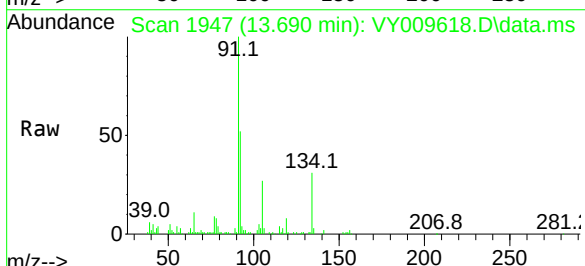
Tgt Ion: 91 Resp: 32544

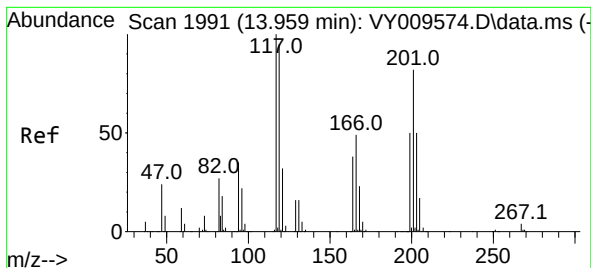
Ion Ratio Lower Upper

91 100

92 43.9 26.3 78.9

134 0.0 13.0 38.9#





#90

Hexachloroethane

Concen: 2.433 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY009618.D

Acq: 20 Jul 2022 17:29

Instrument :

MSVOA_Y

ClientSampleId :

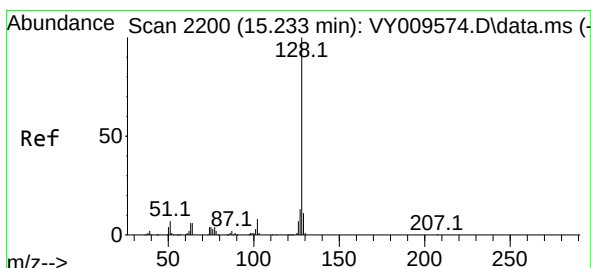
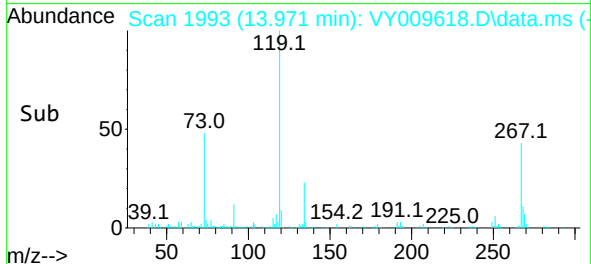
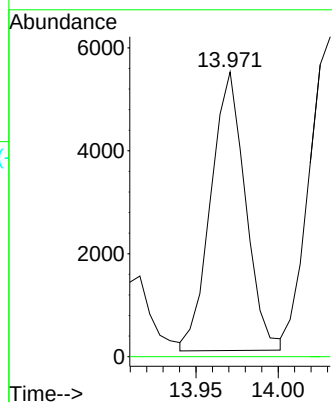
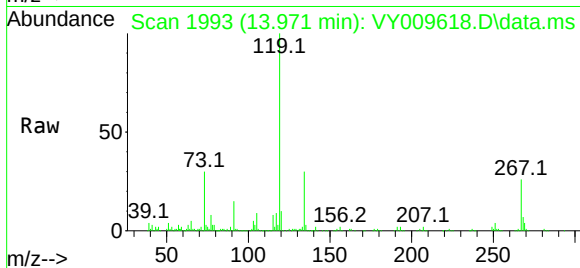
SEPTIC-12-12.5

Tgt Ion:117 Resp: 7933

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#



#95

Naphthalene

Concen: 5.702 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY009618.D

Acq: 20 Jul 2022 17:29

Tgt Ion:128 Resp: 54950

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.4

129 11.2 8.4 12.6

