

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012157.D
 Acq On : 11 Jan 2023 12:51
 Operator : KP/MD
 Sample : 01061-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SLUDGE-6

Quant Time: Jan 12 05:48:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

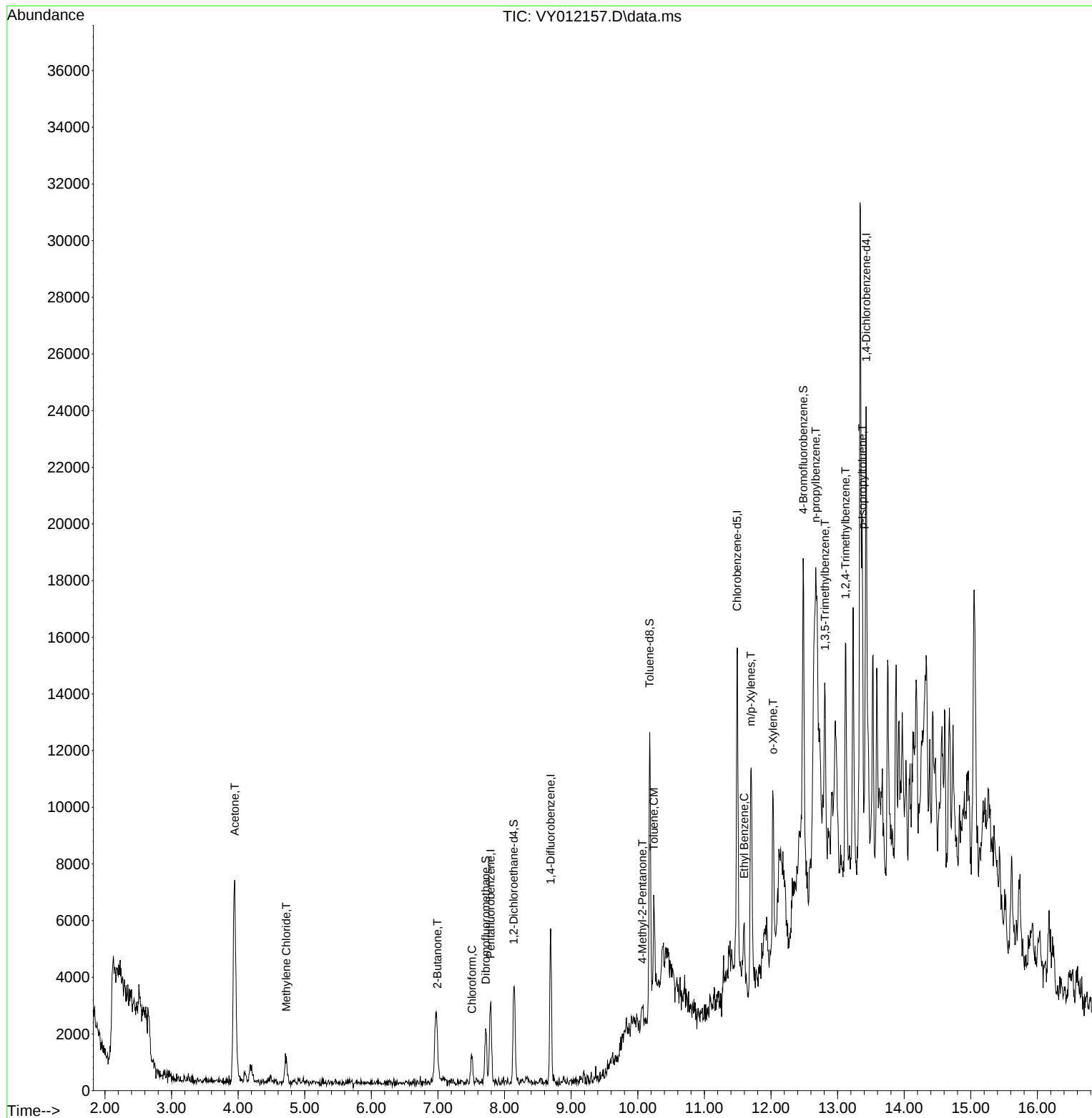
Internal Standards						
1) Pentafluorobenzene	7.789	168	2922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	3259	99.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 198.520%#	
35) Dibromofluoromethane	7.716	113	1446	41.229	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 82.460%	
50) Toluene-d8	10.179	98	7163	51.744	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.480%	
62) 4-Bromofluorobenzene	12.483	95	3427	70.823	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 141.640%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	13180	1706.445	ug/l	96
20) Methylene Chloride	4.723	84	719	18.264	ug/l #	62
25) 2-Butanone	6.990	43	668	65.553	ug/l	94
30) Chloroform	7.509	83	1057	17.603	ug/l #	70
51) 4-Methyl-2-Pentanone	10.069	43	832	32.748	ug/l	96
52) Toluene	10.240	92	1710	16.661	ug/l	93
67) Ethyl Benzene	11.599	91	1734	5.996	ug/l	90
68) m/p-Xylenes	11.697	106	2542	22.412	ug/l	92
69) o-Xylene	12.032	106	1485	13.751	ug/l	95
78) n-propylbenzene	12.672	91	761	2.236	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	1392	5.567	ug/l	83
84) 1,2,4-Trimethylbenzene	13.117	105	4676	18.893	ug/l	92
86) p-Isopropyltoluene	13.373	119	6618	24.260	ug/l	96

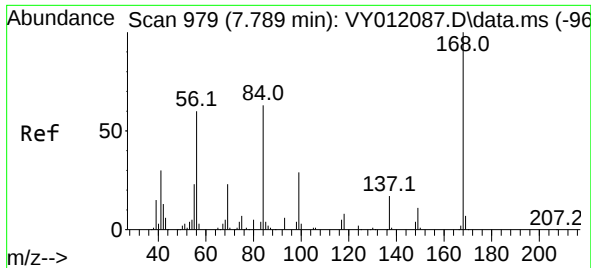
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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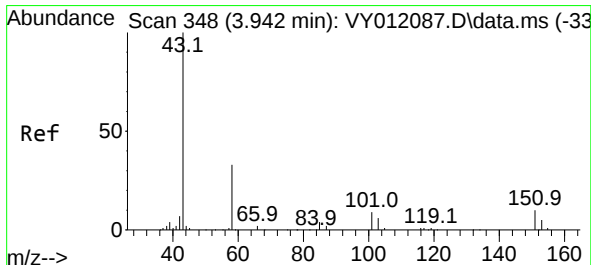
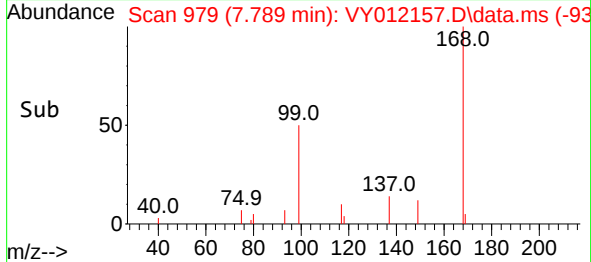
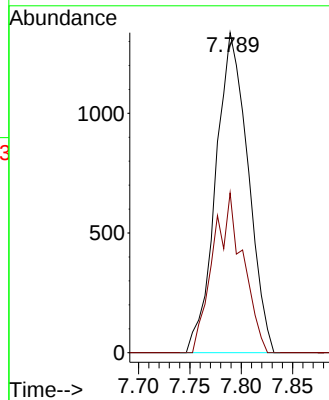
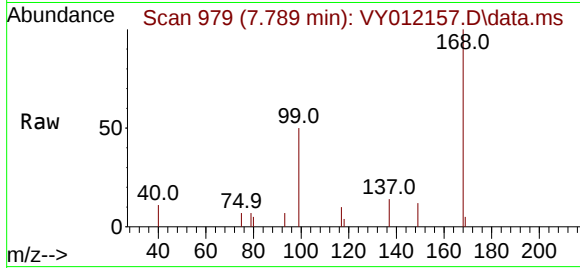




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

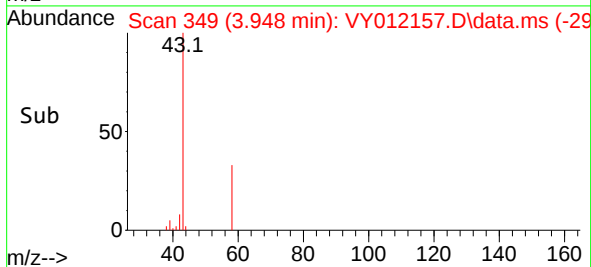
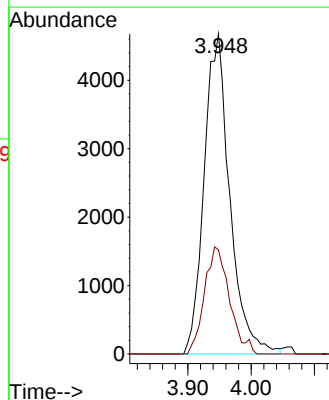
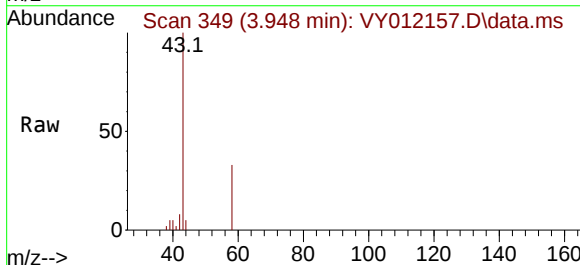
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-6

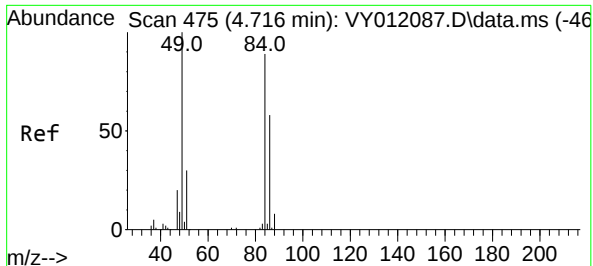
Tgt Ion:168 Resp: 2922
Ion Ratio Lower Upper
168 100
99 50.0 44.0 66.0



#16
Acetone
Concen: 1706.445 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

Tgt Ion: 43 Resp: 13180
Ion Ratio Lower Upper
43 100
58 32.6 27.9 41.9

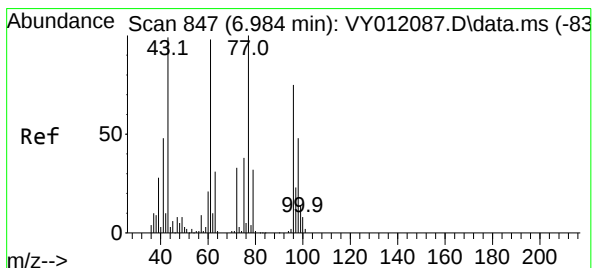
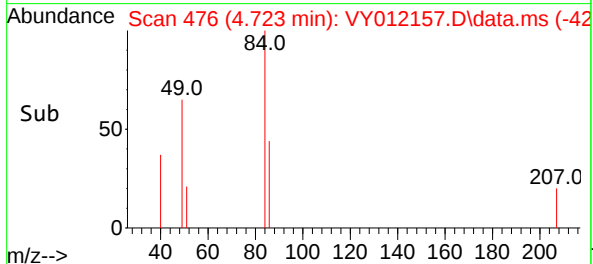
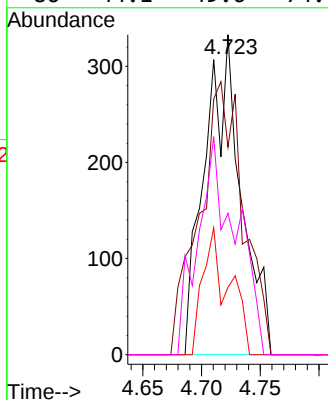
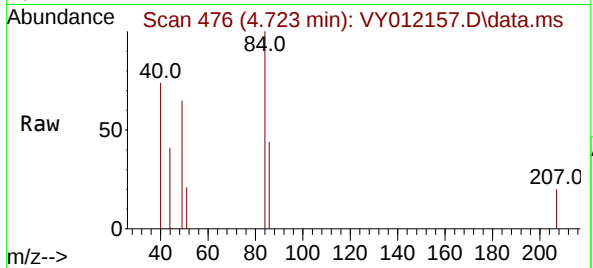




#20
Methylene Chloride
Concen: 18.264 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

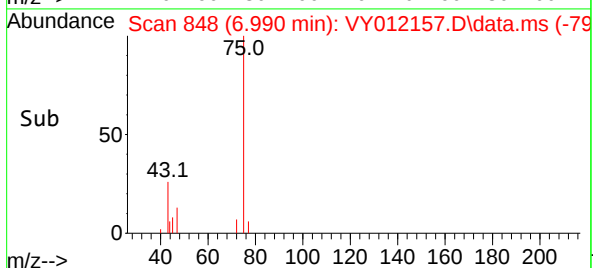
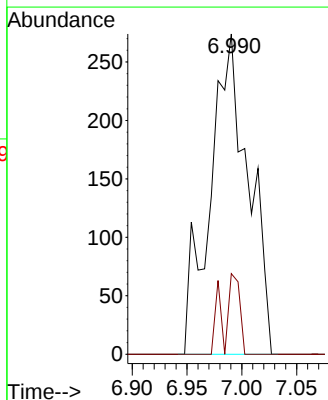
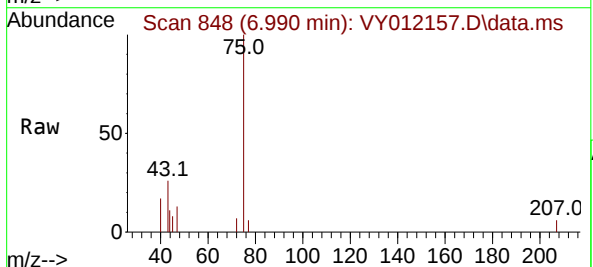
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-6

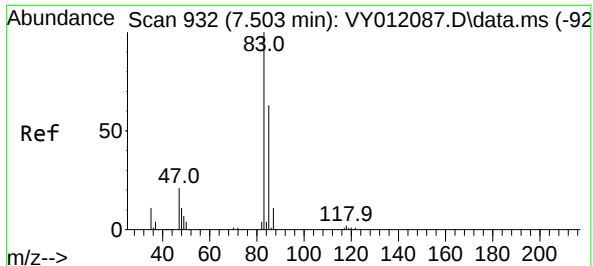
Tgt Ion: 84 Resp: 719
Ion Ratio Lower Upper
84 100
49 64.9 95.4 143.2#
51 21.0 29.9 44.9#
86 44.1 49.6 74.4#



#25
2-Butanone
Concen: 65.553 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
72 25.2 22.6 34.0





#30

Chloroform

Concen: 17.603 ug/l

RT: 7.509 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY012157.D

Acq: 11 Jan 2023 12:51

Instrument :

MSVOA_Y

ClientSampleId :

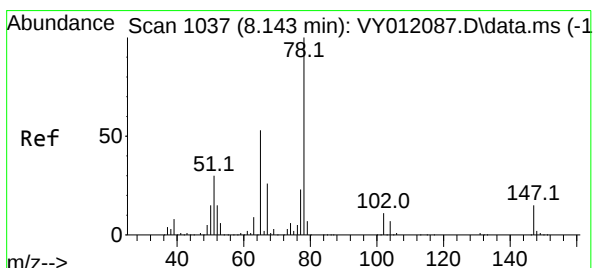
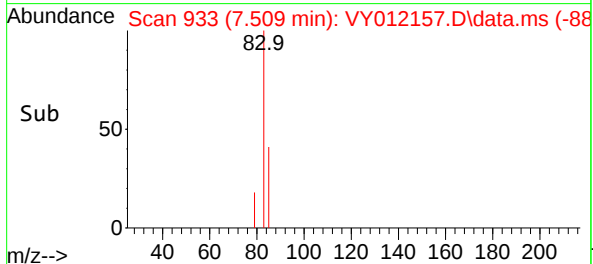
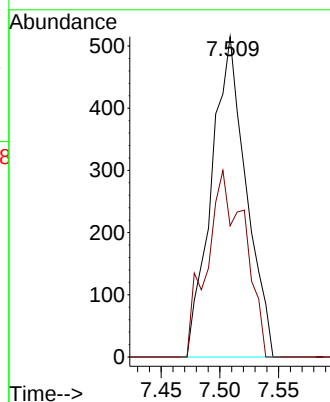
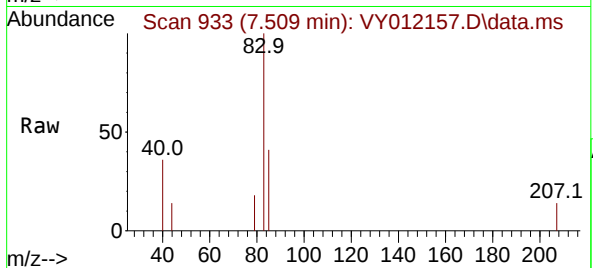
SLUDGE-6

Tgt Ion: 83 Resp: 1057

Ion Ratio Lower Upper

83 100

85 41.0 51.5 77.3#



#33

1,2-Dichloroethane-d4

Concen: 99.259 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012157.D

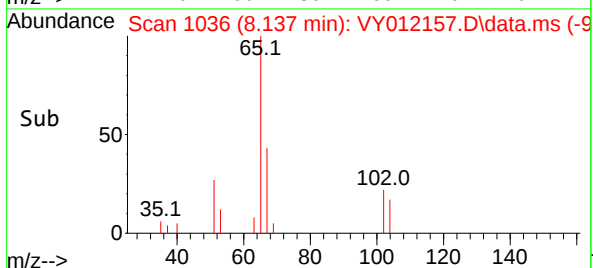
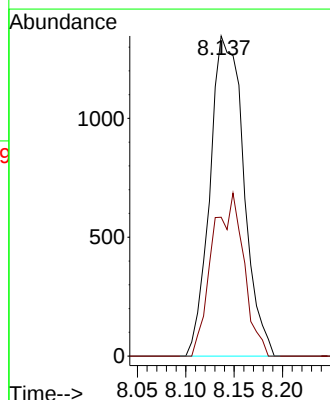
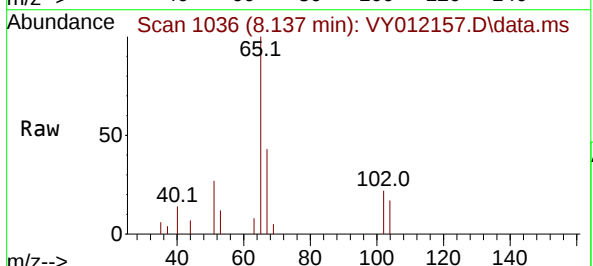
Acq: 11 Jan 2023 12:51

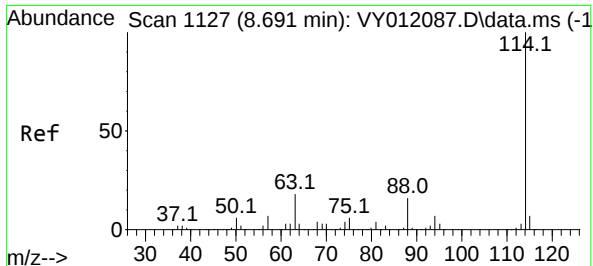
Tgt Ion: 65 Resp: 3259

Ion Ratio Lower Upper

65 100

67 47.9 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012157.D

Acq: 11 Jan 2023 12:51

Instrument :

MSVOA_Y

ClientSampleId :

SLUDGE-6

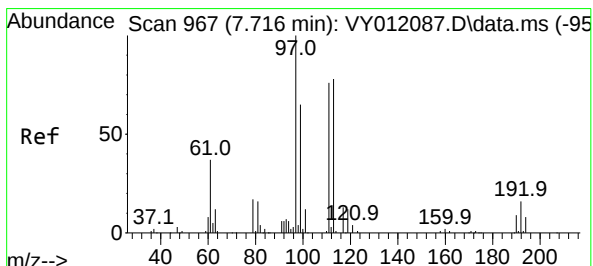
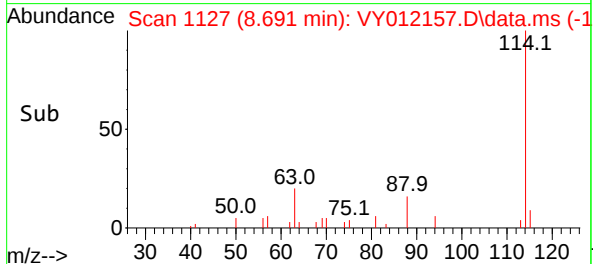
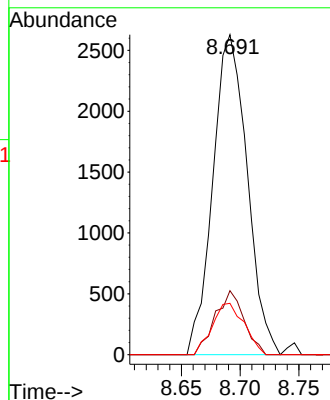
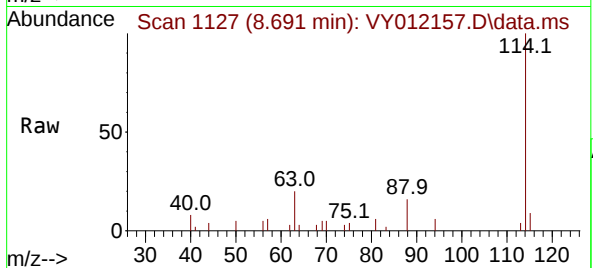
Tgt Ion:114 Resp: 5336

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 41.229 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012157.D

Acq: 11 Jan 2023 12:51

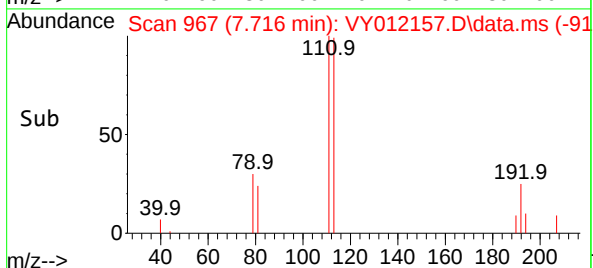
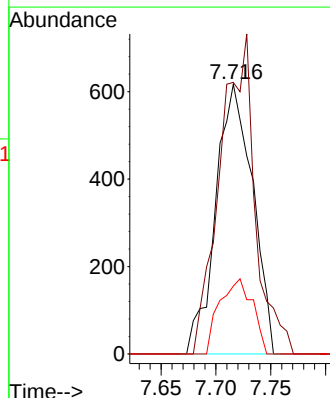
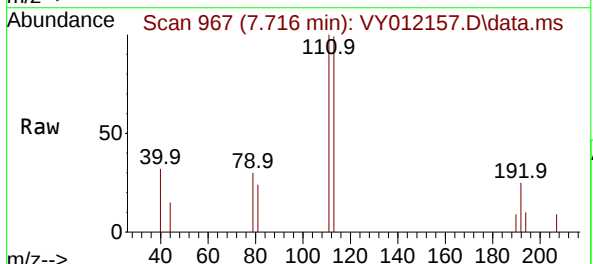
Tgt Ion:113 Resp: 1446

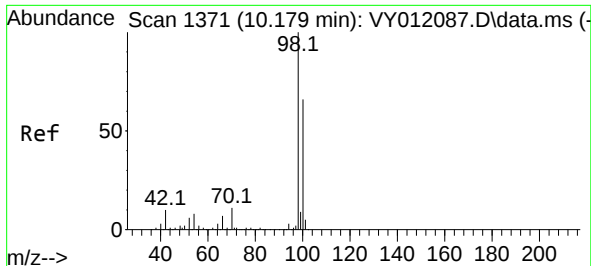
Ion Ratio Lower Upper

113 100

111 112.1 83.0 124.4

192 24.8 16.0 24.0#

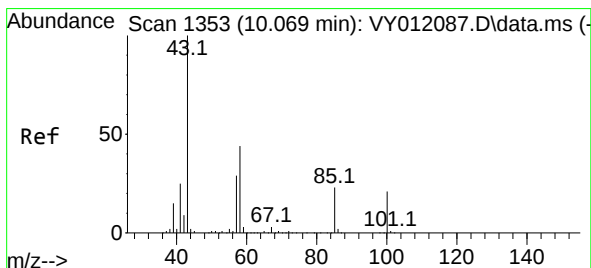
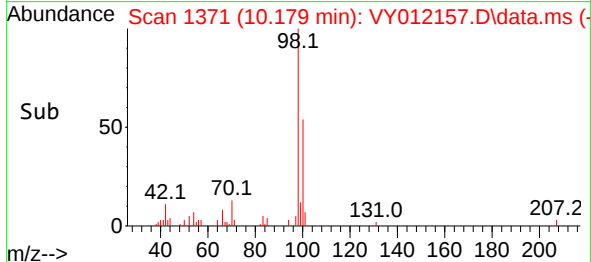
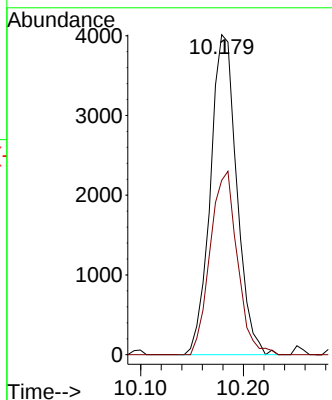
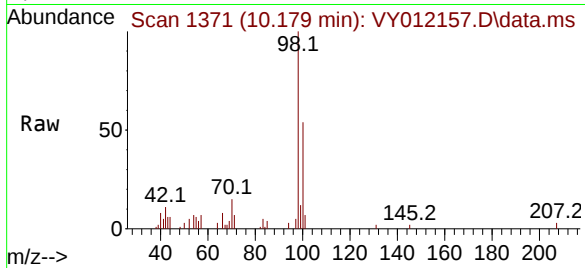




#50
Toluene-d8
Concen: 51.744 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

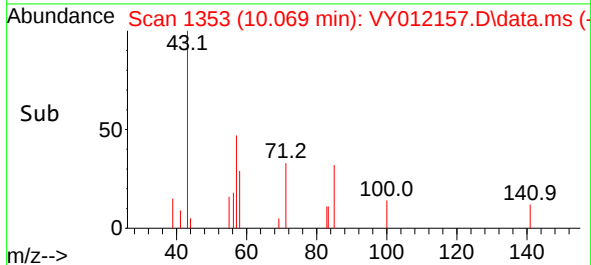
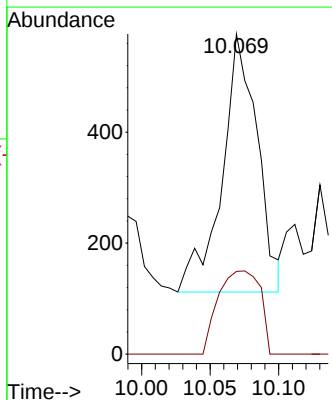
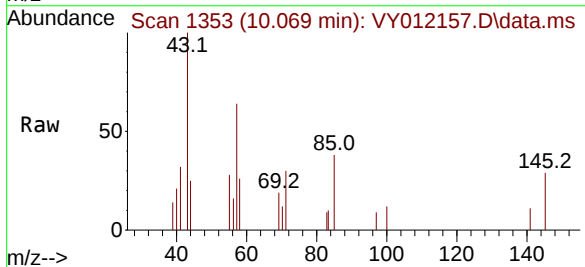
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-6

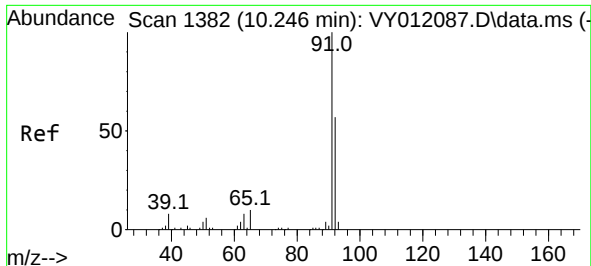
Tgt Ion: 98 Resp: 7163
Ion Ratio Lower Upper
98 100
100 58.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 32.748 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
58 38.3 32.9 49.3

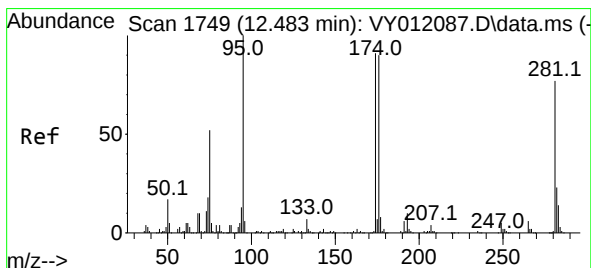
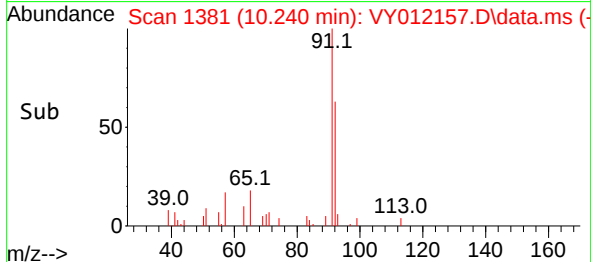
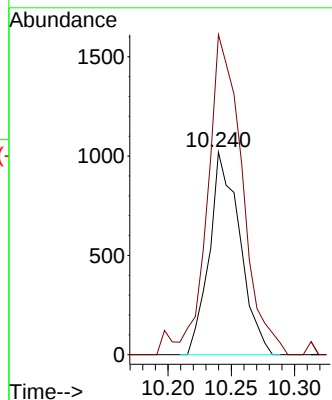
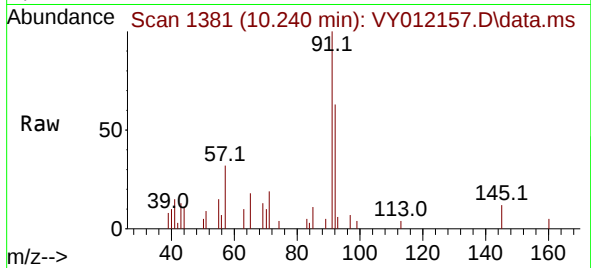




#52
Toluene
Concen: 16.661 ug/l
RT: 10.240 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

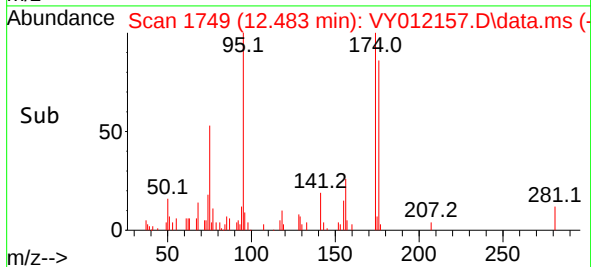
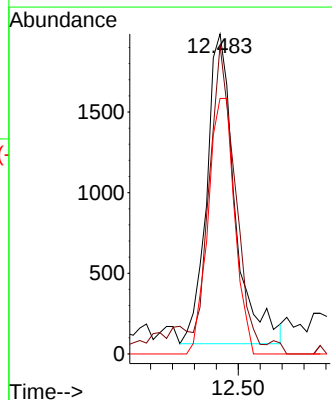
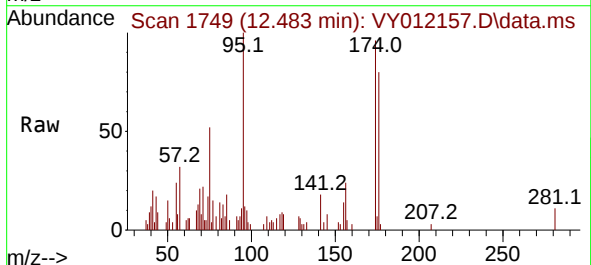
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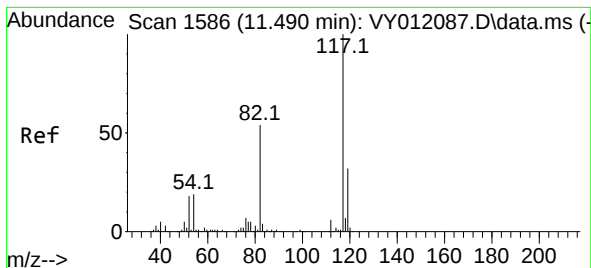
Tgt Ion: 92 Resp: 1710
Ion Ratio Lower Upper
92 100
91 181.4 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 70.823 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

Tgt Ion: 95 Resp: 3427
Ion Ratio Lower Upper
95 100
174 104.0 0.0 172.0
176 77.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012157.D

Acq: 11 Jan 2023 12:51

Instrument :

MSVOA_Y

ClientSampleId :

SLUDGE-6

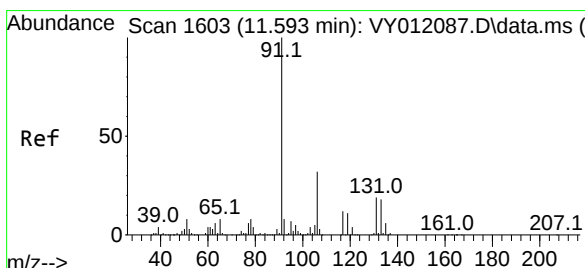
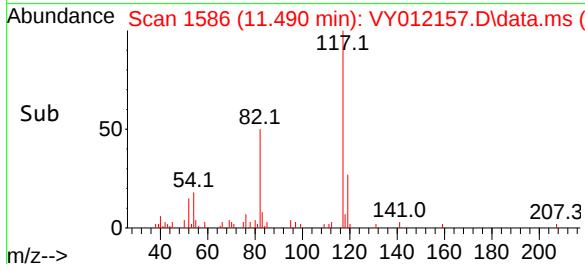
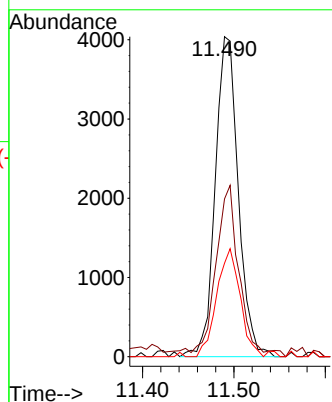
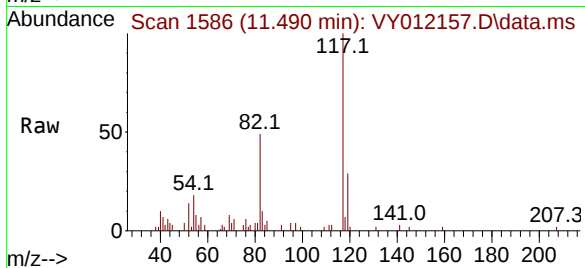
Tgt Ion:117 Resp: 7084

Ion Ratio Lower Upper

117 100

82 47.5 44.8 67.2

119 29.2 25.4 38.2



#67

Ethyl Benzene

Concen: 5.996 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY012157.D

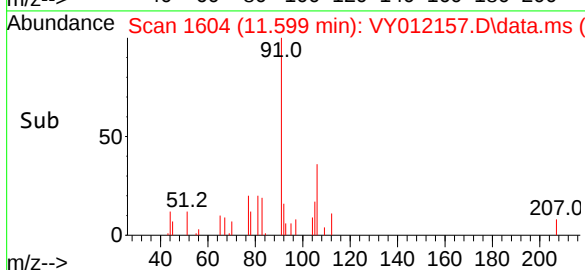
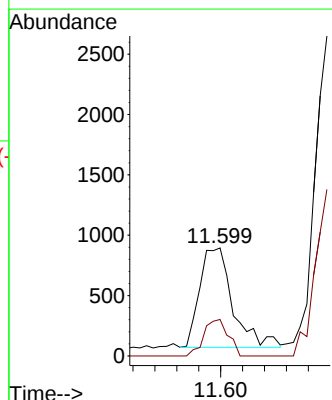
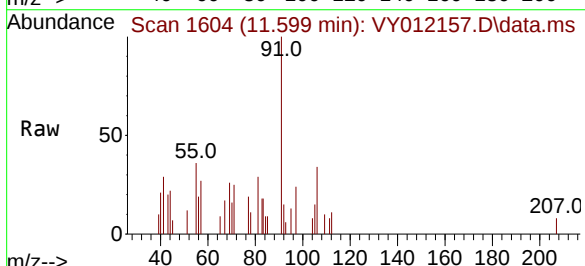
Acq: 11 Jan 2023 12:51

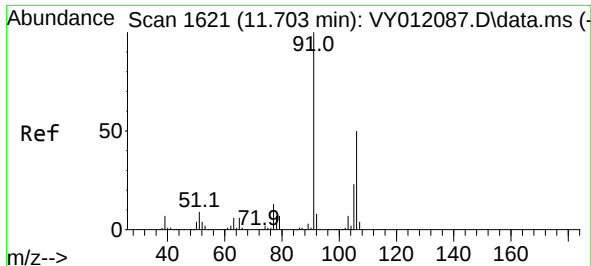
Tgt Ion: 91 Resp: 1734

Ion Ratio Lower Upper

91 100

106 36.7 25.0 37.4

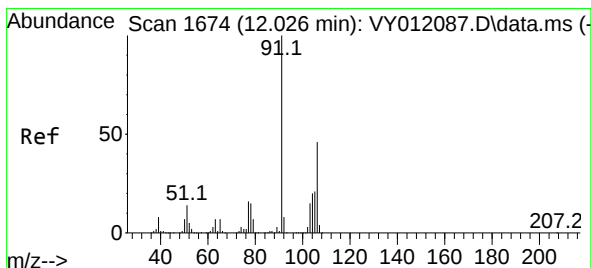
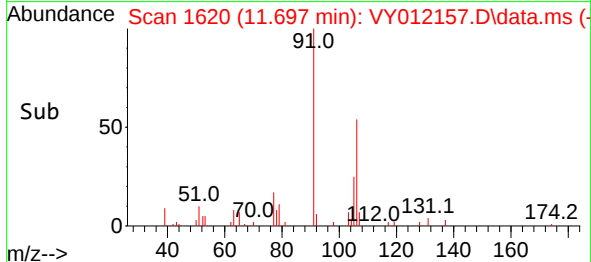
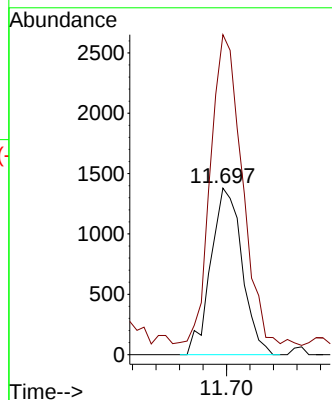
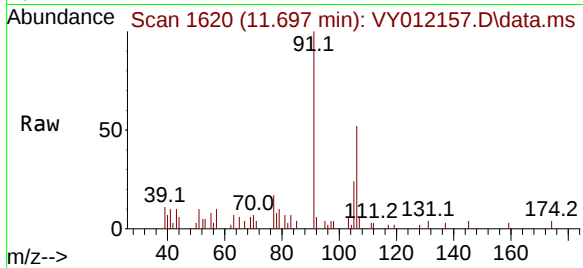




#68
m/p-Xylenes
Concen: 22.412 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

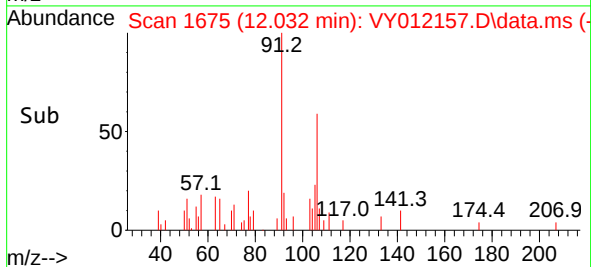
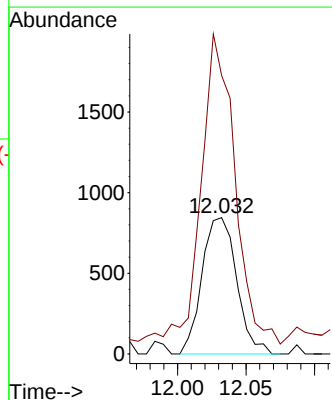
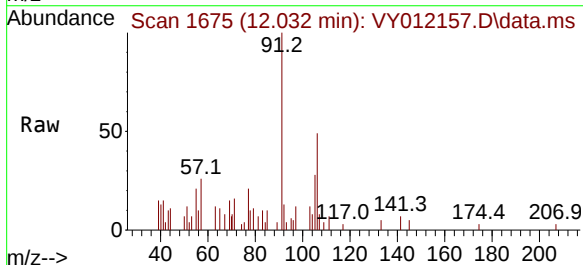
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-6

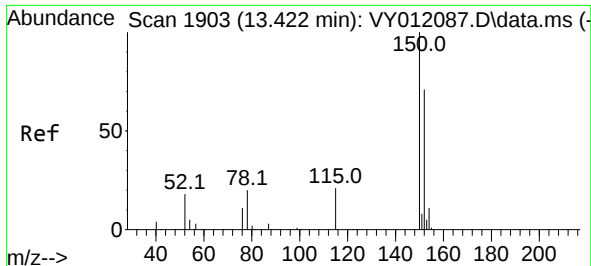
Tgt Ion:106 Resp: 2542
Ion Ratio Lower Upper
106 100
91 190.1 162.5 243.7



#69
o-Xylene
Concen: 13.751 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

Tgt Ion:106 Resp: 1485
Ion Ratio Lower Upper
106 100
91 222.9 107.5 322.4

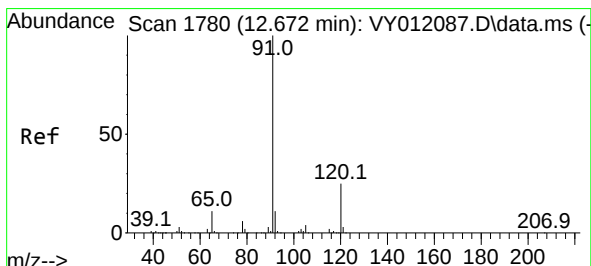
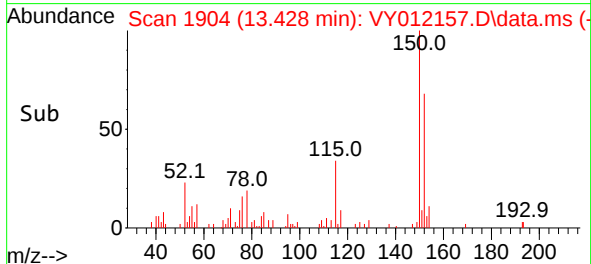
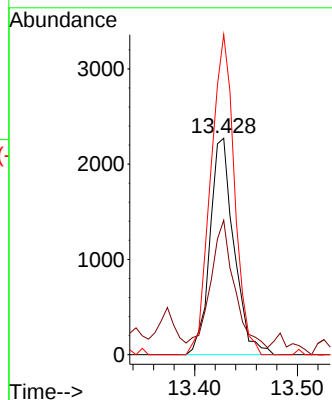
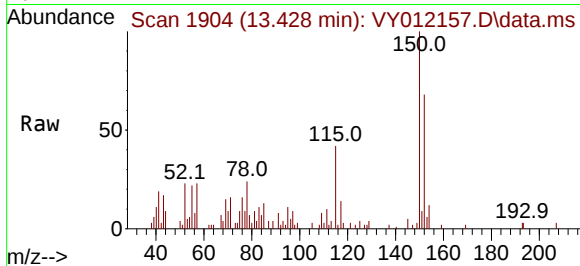




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

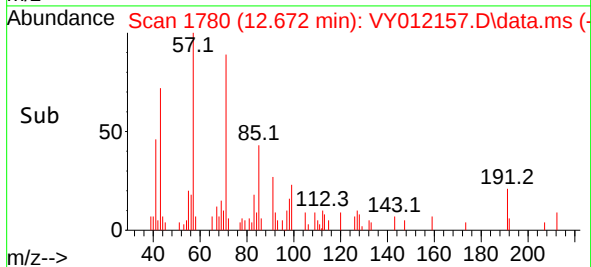
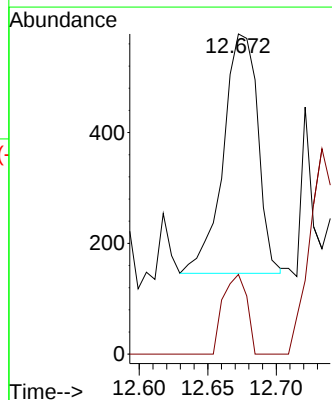
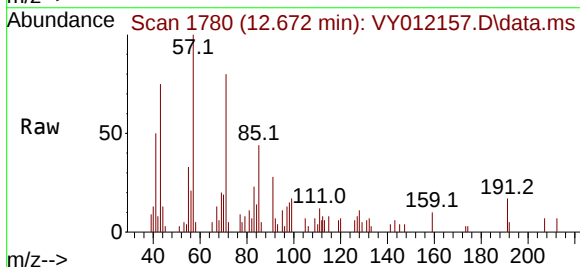
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-6

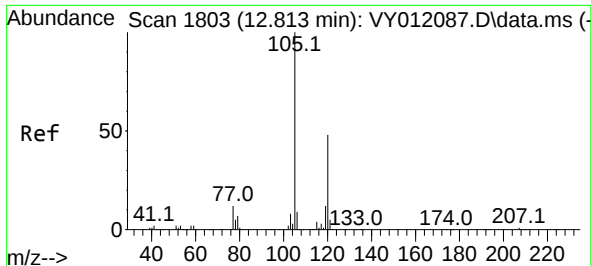
Tgt Ion:152 Resp: 3684
Ion Ratio Lower Upper
152 100
115 59.1 29.1 87.3
150 146.1 0.0 342.6



#78
n-propylbenzene
Concen: 2.236 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

Tgt Ion: 91 Resp: 761
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.4

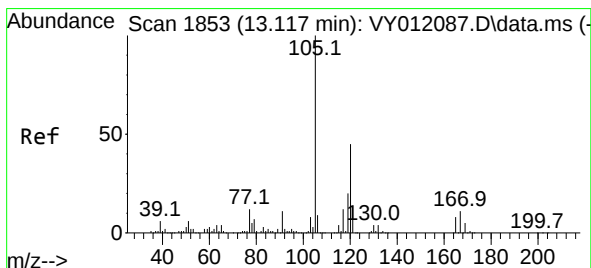
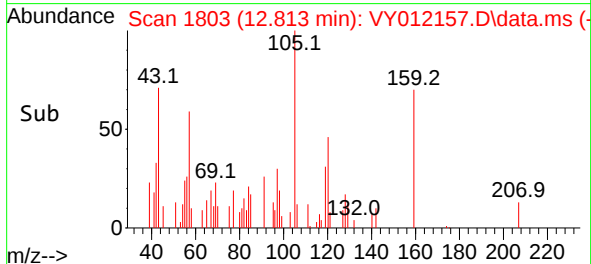
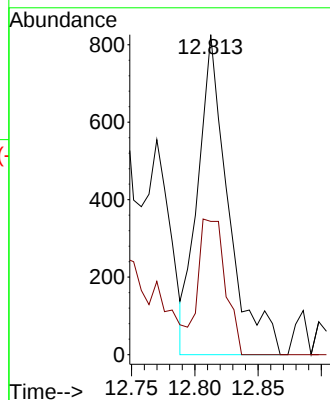
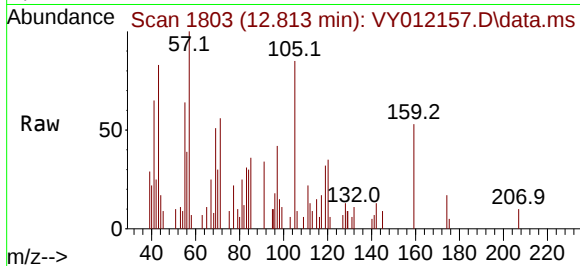




#80
1,3,5-Trimethylbenzene
Concen: 5.567 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

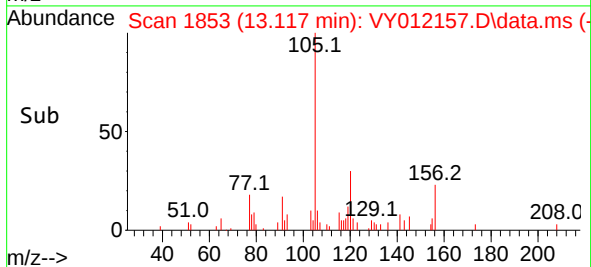
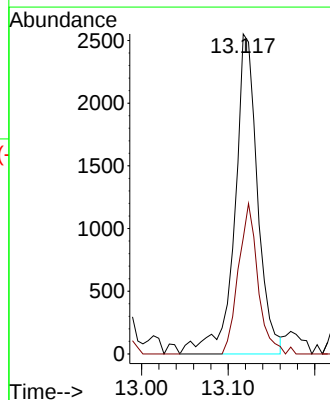
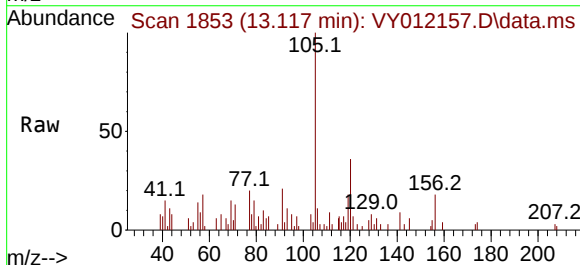
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-6

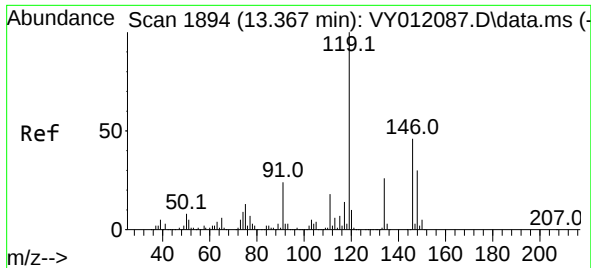
Tgt Ion:105 Resp: 1392
Ion Ratio Lower Upper
105 100
120 37.1 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 18.893 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY012157.D
Acq: 11 Jan 2023 12:51

Tgt Ion:105 Resp: 4676
Ion Ratio Lower Upper
105 100
120 40.4 22.9 68.7





#86
 p-Isopropyltoluene
 Concen: 24.260 ug/l
 RT: 13.373 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY012157.D
 Acq: 11 Jan 2023 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 SLUDGE-6

Tgt Ion:	119	Resp:	6618
Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.0	39.0
91	21.0	11.9	35.9

