

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012156.D
 Acq On : 11 Jan 2023 12:28
 Operator : KP/MD
 Sample : 01061-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SLUDGE-4

Quant Time: Jan 12 05:48:35 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)

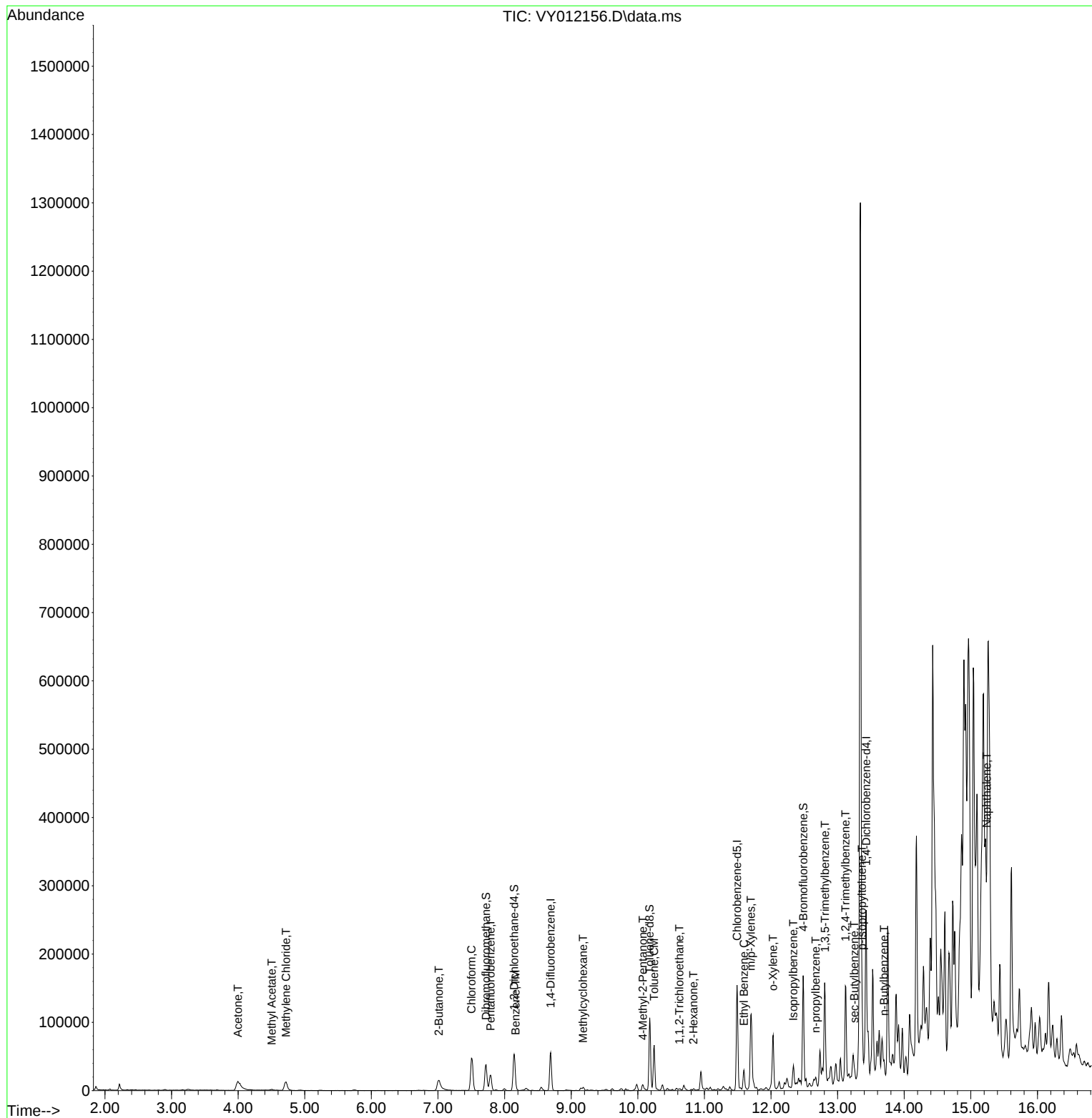
Internal Standards						
1) Pentafluorobenzene	7.789	168	18098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	49302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	87019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	45625	224.356	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 448.720%#	
35) Dibromofluoromethane	7.722	113	26207	80.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 161.740%#	
50) Toluene-d8	10.179	98	69938	54.680	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.360%	
62) 4-Bromofluorobenzene	12.483	95	46287	103.531	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 207.060%#	
Target Compounds						
					Qvalue	
16) Acetone	3.997	43	42362	885.529	ug/l	98
18) Methyl Acetate	4.503	43	2108	15.319	ug/l	98
20) Methylene Chloride	4.716	84	10301	51.059	ug/l #	87
25) 2-Butanone	7.015	43	6568	104.063	ug/l	100
30) Chloroform	7.502	83	48550	130.540	ug/l	99
39) Methylcyclohexane	9.179	83	1484	2.527	ug/l	90
40) Benzene	8.167	78	1921	1.341	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	5688	24.231	ug/l	99
52) Toluene	10.246	92	28151	29.686	ug/l	100
55) 1,1,2-Trichloroethane	10.624	97	936	3.225	ug/l #	16
59) 2-Hexanone	10.837	43	1277	7.747	ug/l	90
67) Ethyl Benzene	11.593	91	19364	5.451	ug/l	93
68) m/p-Xylenes	11.697	106	32996	23.683	ug/l	98
69) o-Xylene	12.032	106	20896	15.752	ug/l	97
73) Isopropylbenzene	12.337	105	4869	1.036	ug/l	95
78) n-propylbenzene	12.672	91	11333	2.065	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	19006	4.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	75683	18.958	ug/l	99
85) sec-Butylbenzene	13.251	105	8455	1.665	ug/l	82
86) p-Isopropyltoluene	13.367	119	46768	10.629	ug/l #	77
89) n-Butylbenzene	13.696	91	10381	2.723	ug/l #	74
95) Naphthalene	15.239	128	18717	7.575	ug/l #	93

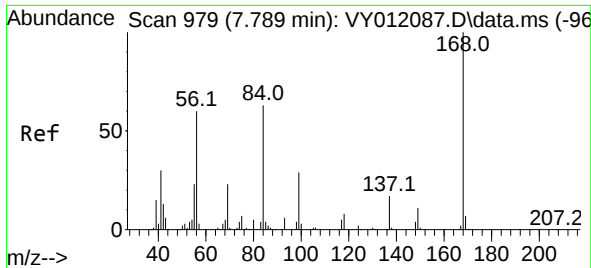
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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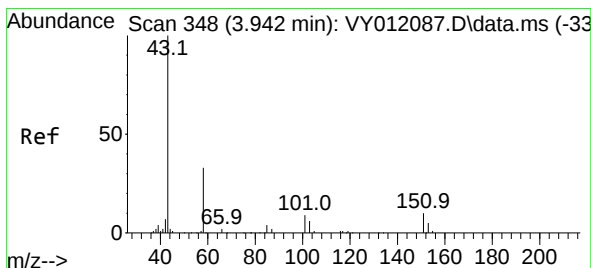
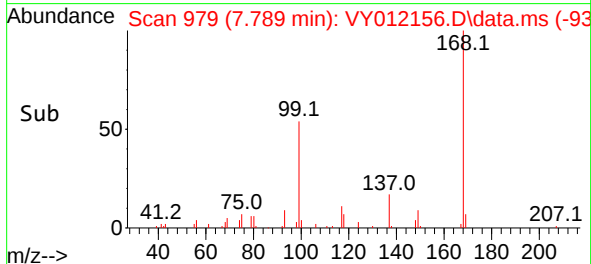
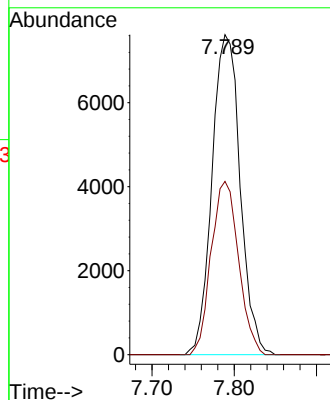
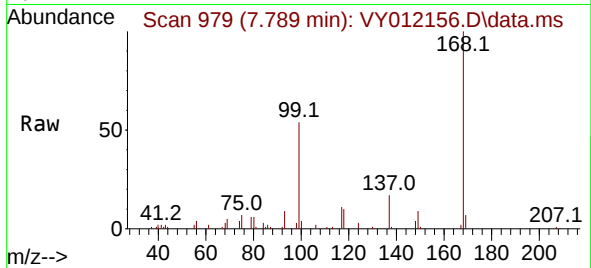




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

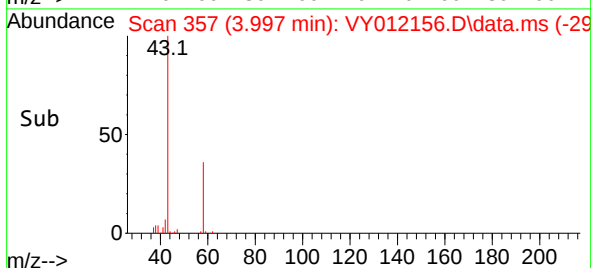
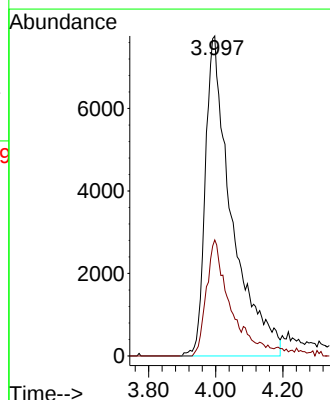
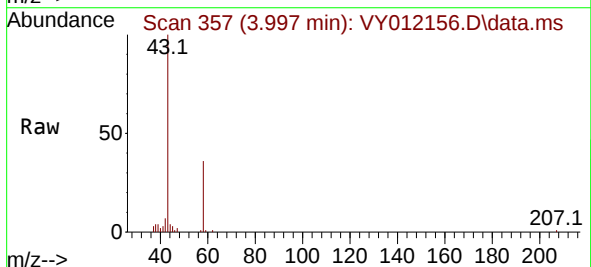
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

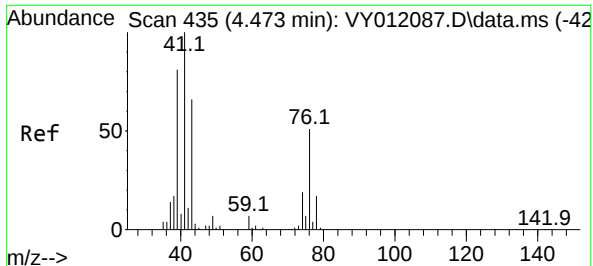
Tgt Ion:168 Resp: 18098
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#16
Acetone
Concen: 885.529 ug/l
RT: 3.997 min Scan# 357
Delta R.T. 0.055 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 43 Resp: 42362
Ion Ratio Lower Upper
43 100
58 36.3 27.9 41.9

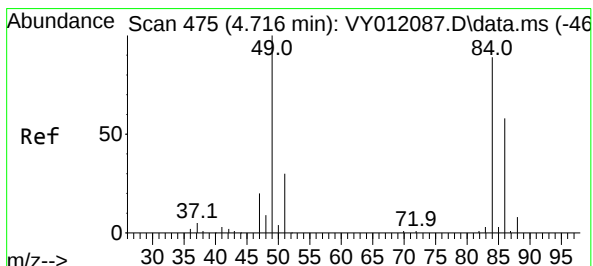
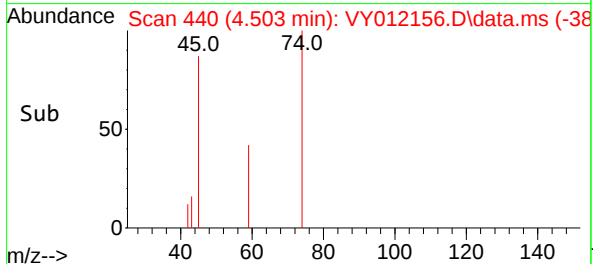
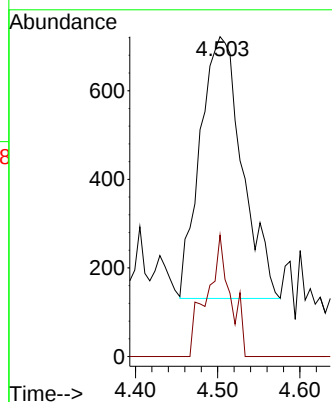
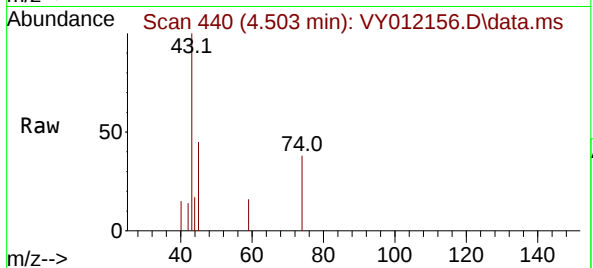




#18
Methyl Acetate
Concen: 15.319 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.030 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

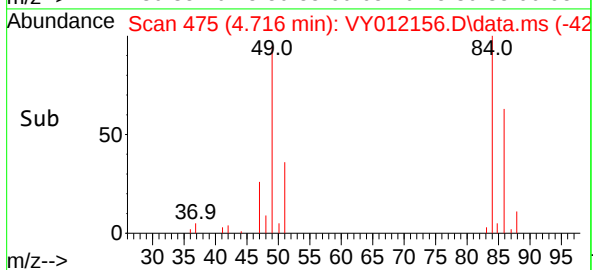
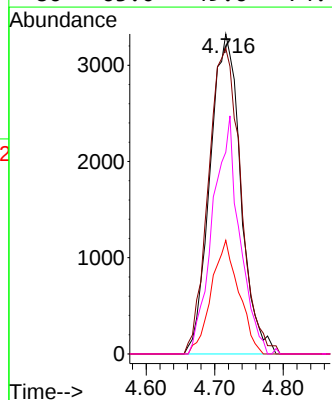
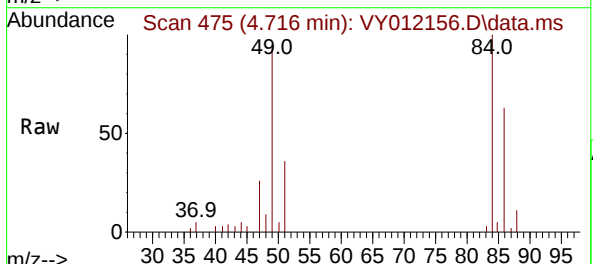
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

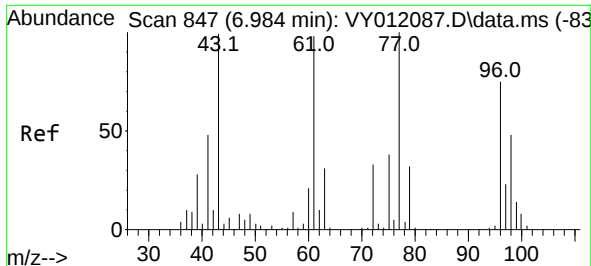
Tgt Ion: 43 Resp: 2108
Ion Ratio Lower Upper
43 100
74 25.9 20.1 30.1



#20
Methylene Chloride
Concen: 51.059 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 84 Resp: 10301
Ion Ratio Lower Upper
84 100
49 95.4 95.4 143.2#
51 35.5 29.9 44.9
86 63.0 49.6 74.4

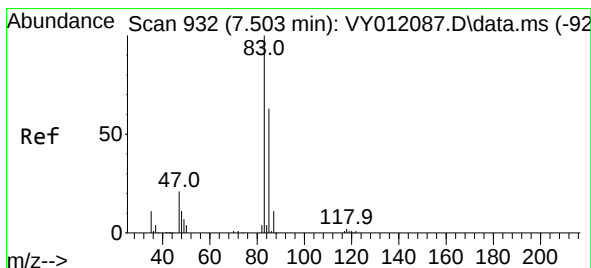
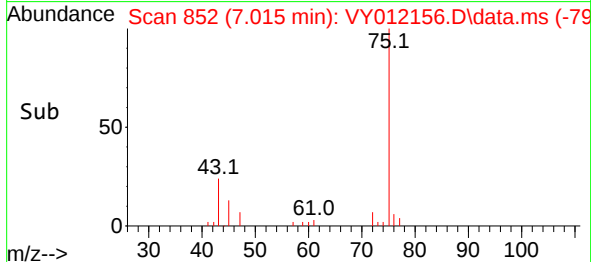
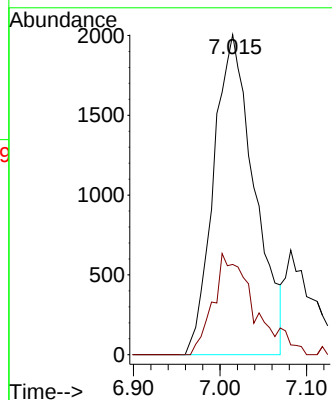
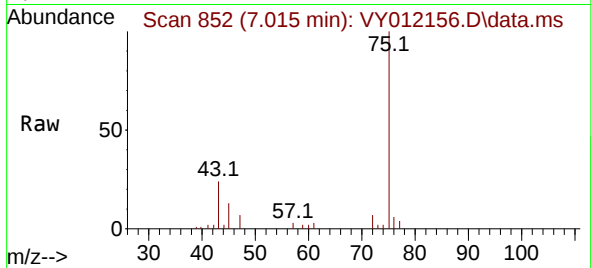




#25
2-Butanone
Concen: 104.063 ug/l
RT: 7.015 min Scan# 847
Delta R.T. 0.031 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

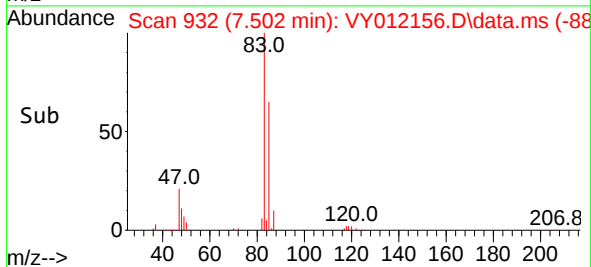
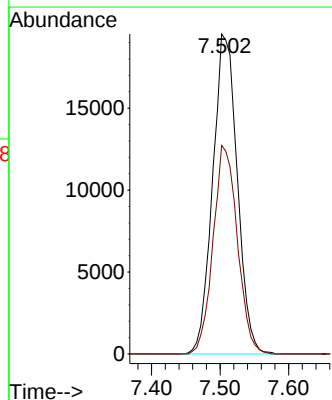
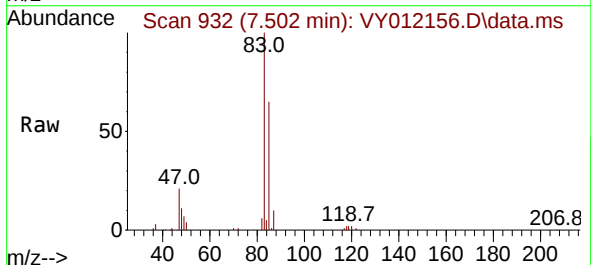
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

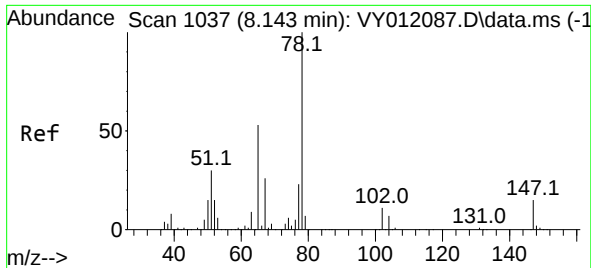
Tgt Ion: 43 Resp: 6568
Ion Ratio Lower Upper
43 100
72 28.2 22.6 34.0



#30
Chloroform
Concen: 130.540 ug/l
RT: 7.502 min Scan# 932
Delta R.T. -0.001 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 83 Resp: 48550
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3

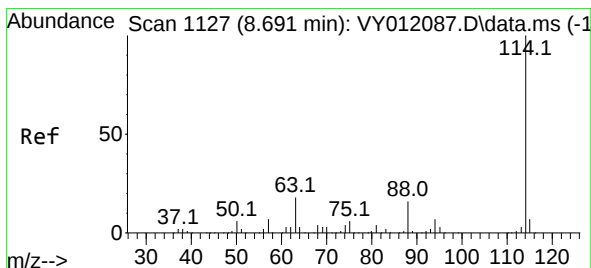
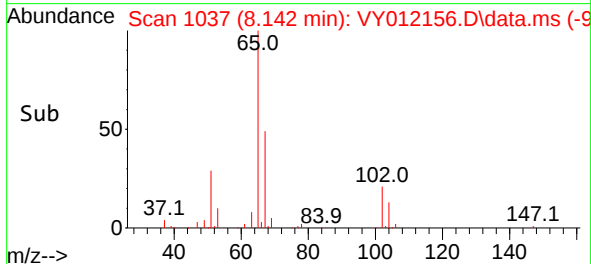
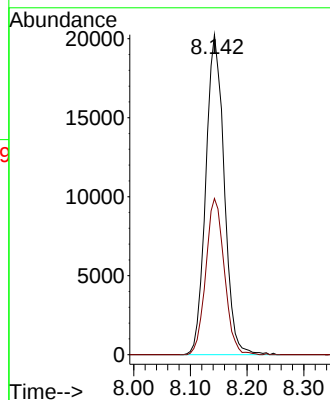
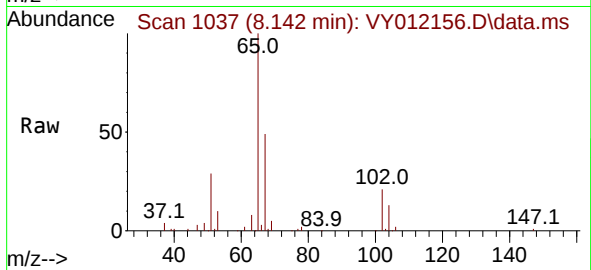




#33
 1,2-Dichloroethane-d4
 Concen: 224.356 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012156.D
 Acq: 11 Jan 2023 12:28

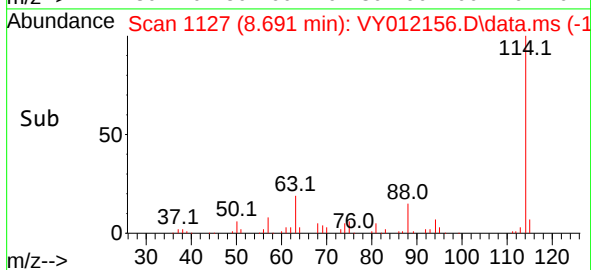
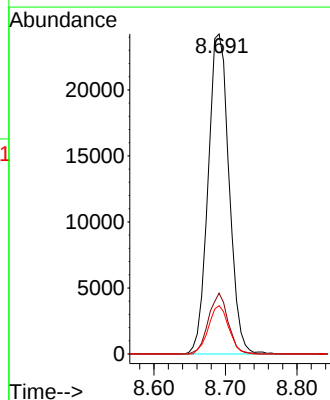
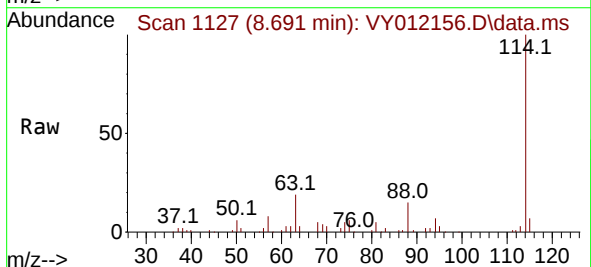
Instrument :
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 ClientSampleId :
 SLUDGE-4

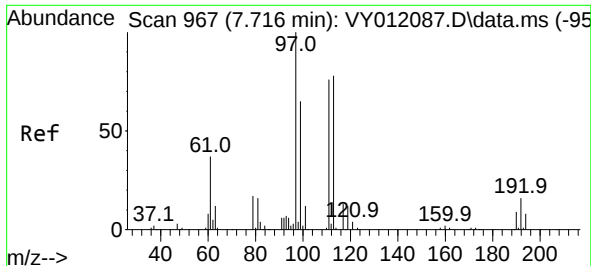
Tgt Ion: 65 Resp: 45625
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012156.D
 Acq: 11 Jan 2023 12:28

Tgt Ion: 114 Resp: 49302
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 15.1 0.0 32.2

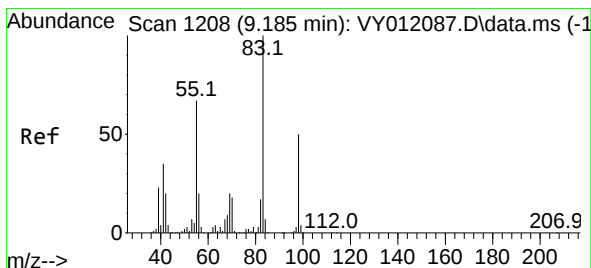
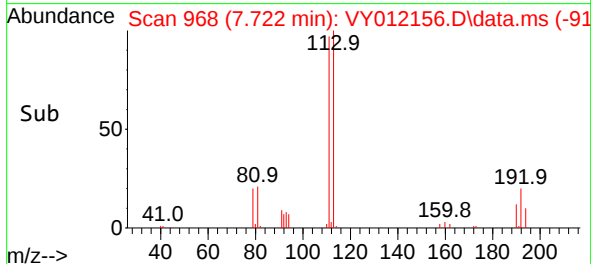
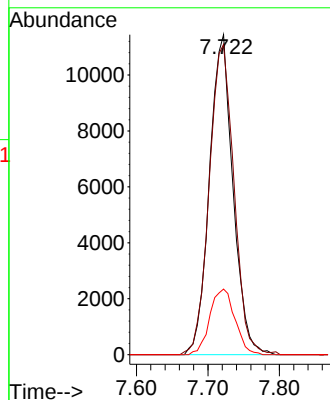
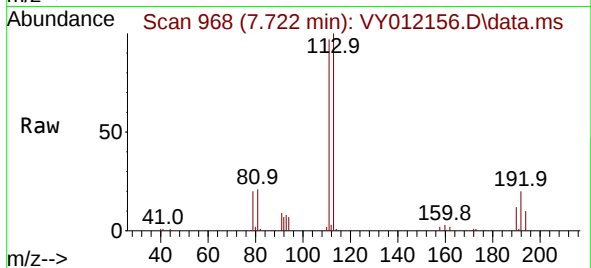




#35
Dibromofluoromethane
Concen: 80.872 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

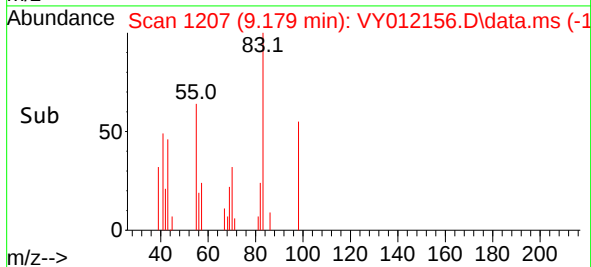
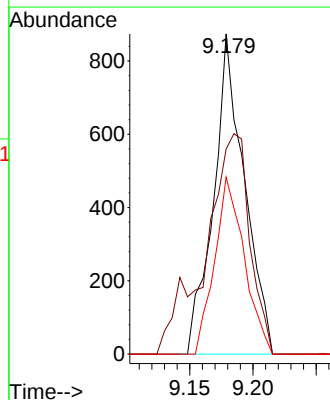
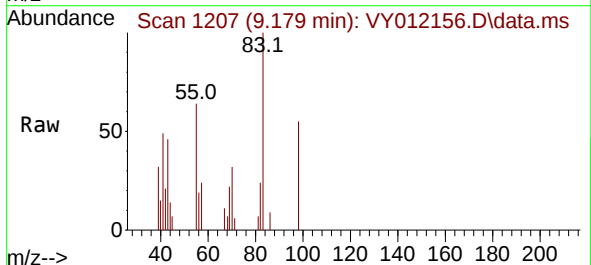
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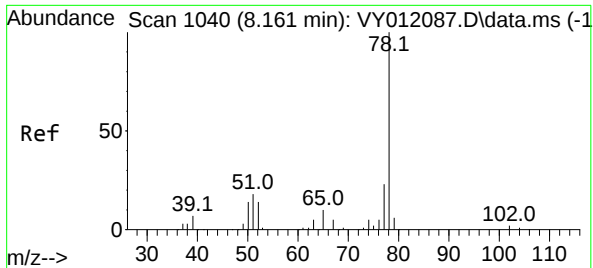
Tgt Ion:113 Resp: 26207
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 21.8 16.0 24.0



#39
Methylcyclohexane
Concen: 2.527 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 83 Resp: 1484
Ion Ratio Lower Upper
83 100
55 64.1 58.2 87.2
98 55.3 38.6 58.0

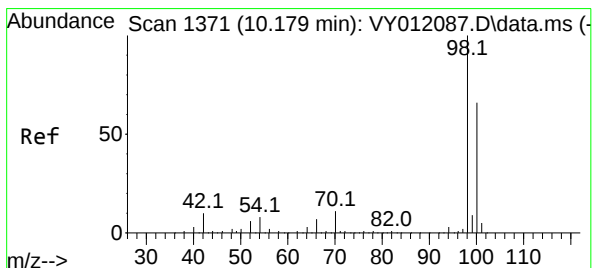
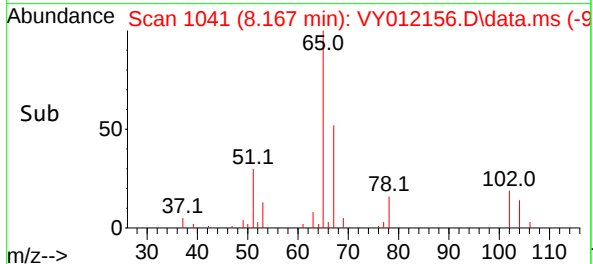
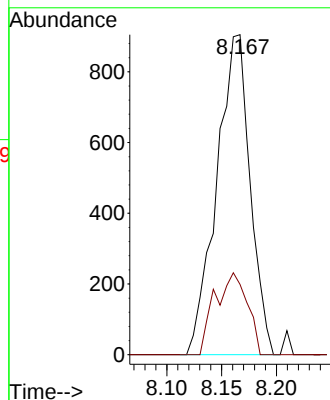
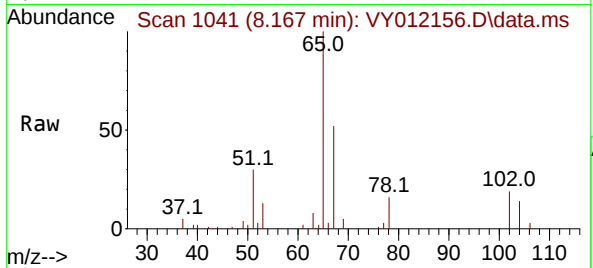




#40
Benzene
Concen: 1.341 ug/l
RT: 8.167 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

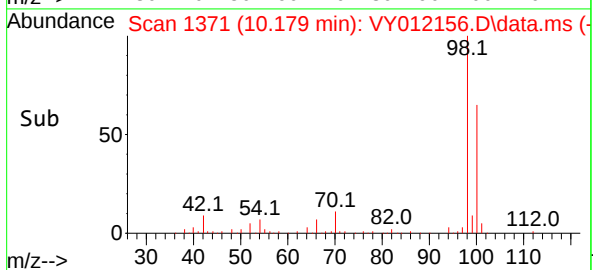
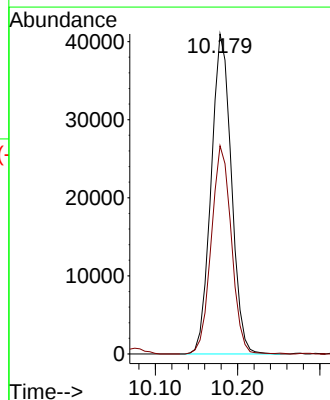
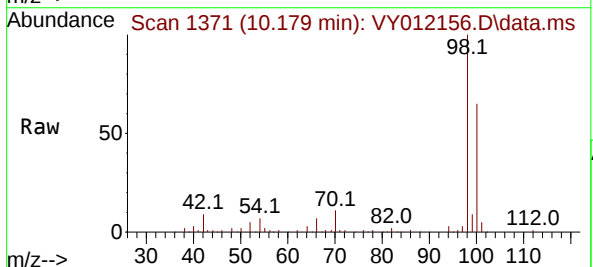
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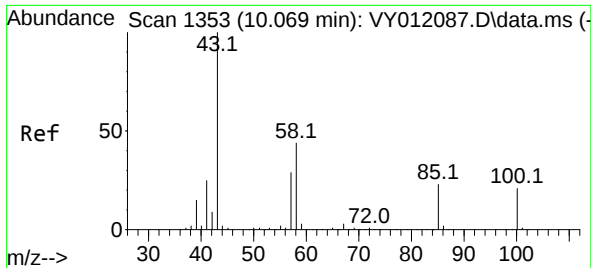
Tgt Ion: 78 Resp: 1921
Ion Ratio Lower Upper
78 100
77 22.0 18.6 27.8



#50
Toluene-d8
Concen: 54.680 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 98 Resp: 69938
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

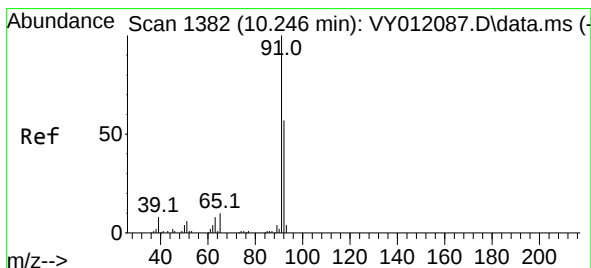
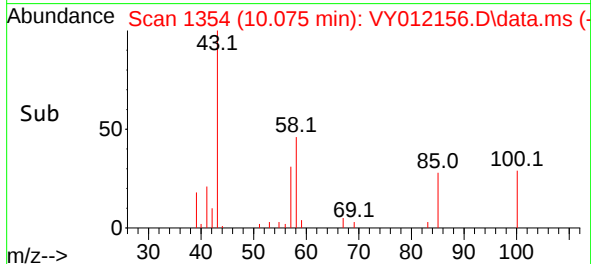
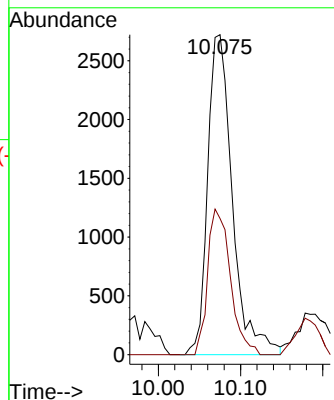
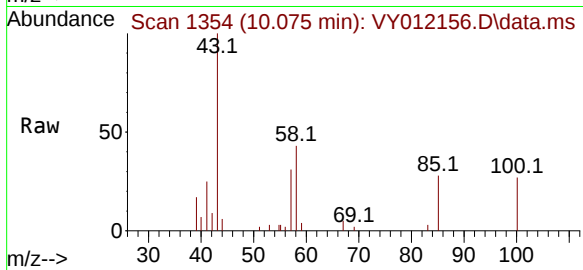




#51
4-Methyl-2-Pentanone
Concen: 24.231 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

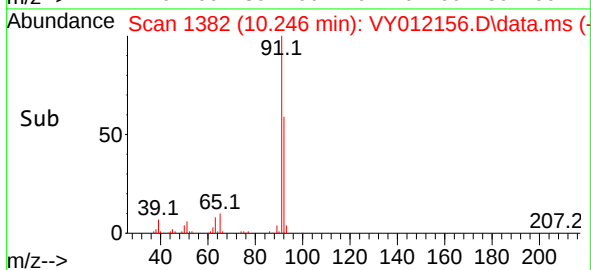
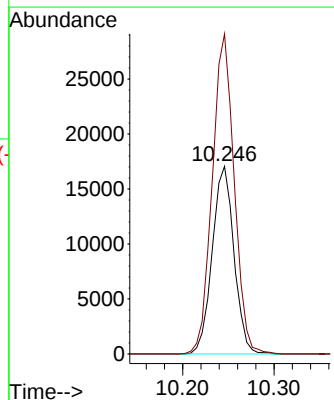
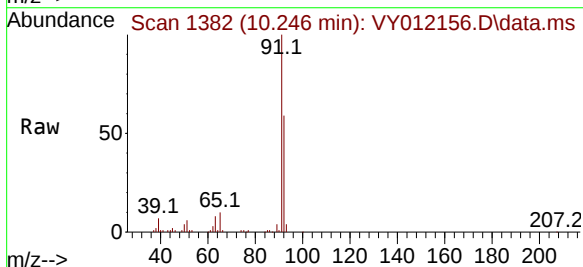
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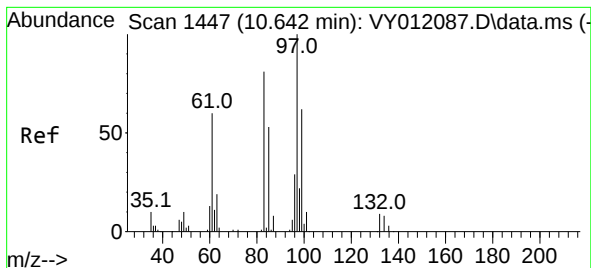
Tgt Ion: 43 Resp: 5688
Ion Ratio Lower Upper
43 100
58 41.7 32.9 49.3



#52
Toluene
Concen: 29.686 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 92 Resp: 28151
Ion Ratio Lower Upper
92 100
91 172.1 137.4 206.0

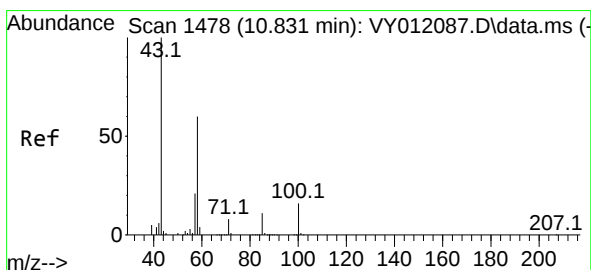
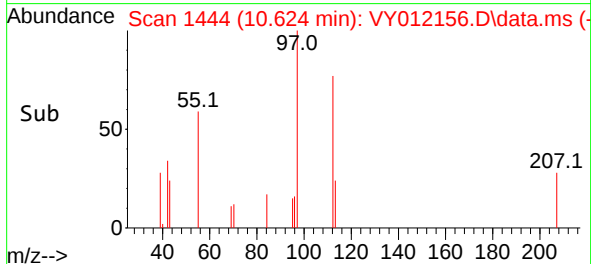
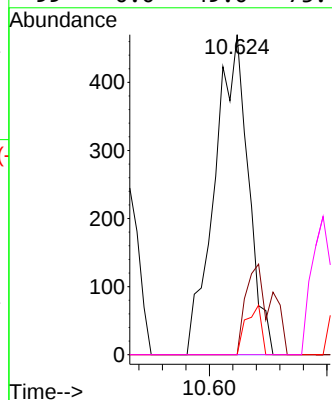
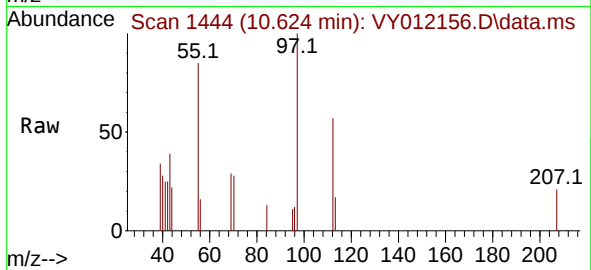




#55
1,1,2-Trichloroethane
Concen: 3.225 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.018 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

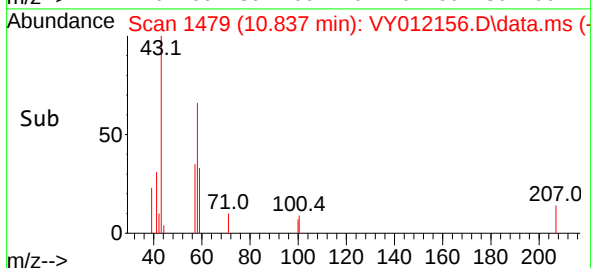
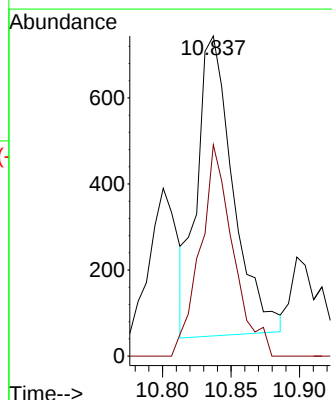
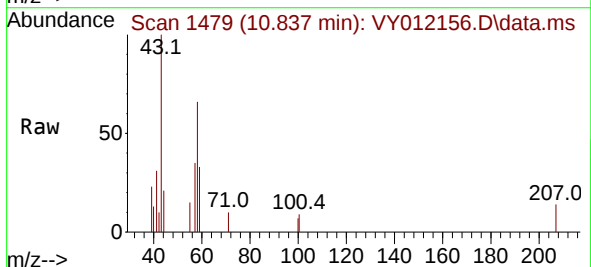
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

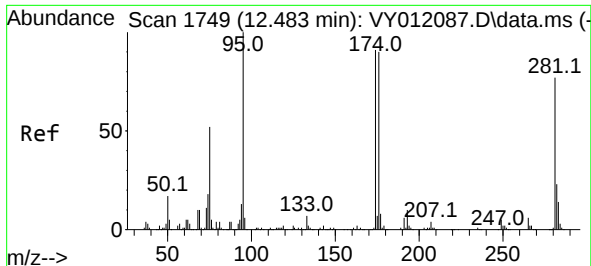
Tgt Ion: 97	Resp:	936
Ion	Ratio	Lower Upper
97	100	
83	0.0	67.7 101.5#
85	0.0	43.8 65.8#
99	0.0	49.0 73.4#



#59
2-Hexanone
Concen: 7.747 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 43	Resp:	1277
Ion	Ratio	Lower Upper
43	100	
58	63.9	28.4 85.2

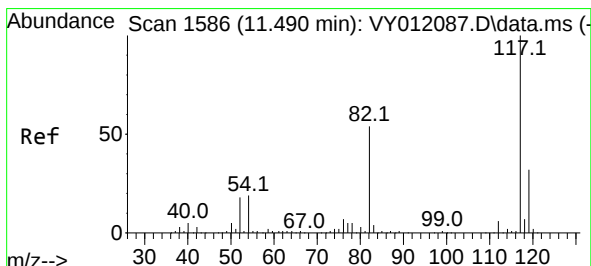
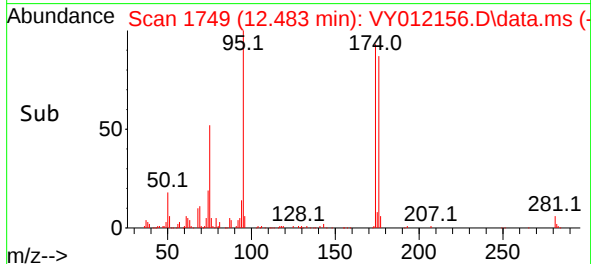
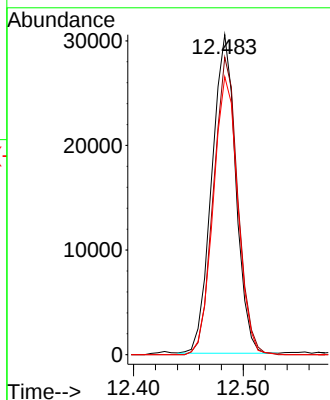
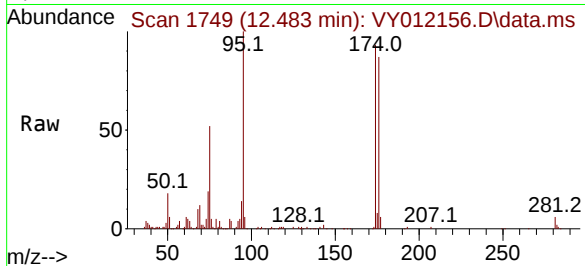




#62
4-Bromofluorobenzene
Concen: 103.531 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

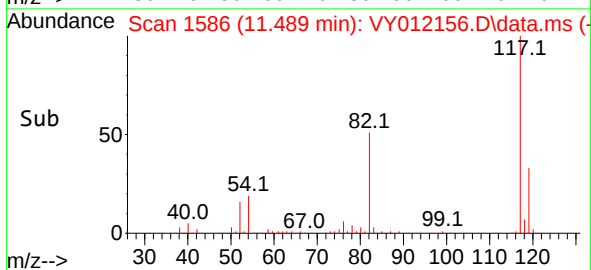
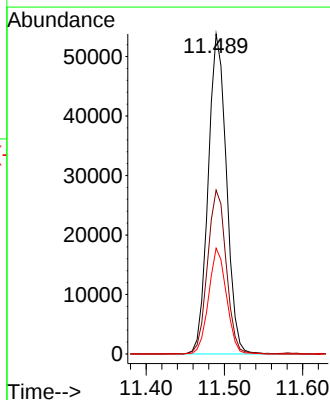
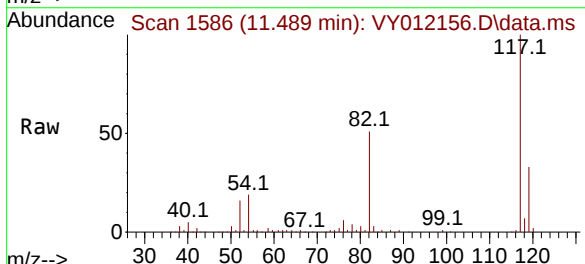
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

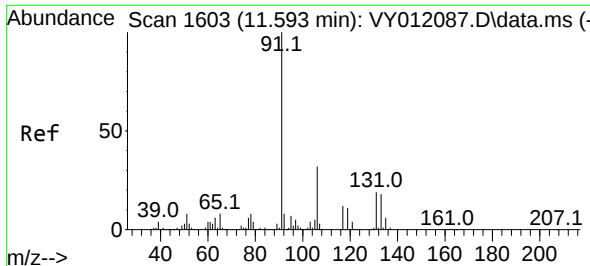
Tgt Ion: 95 Resp: 46287
Ion Ratio Lower Upper
95 100
174 94.5 0.0 172.0
176 89.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 117 Resp: 87019
Ion Ratio Lower Upper
117 100
82 51.1 44.8 67.2
119 33.1 25.4 38.2

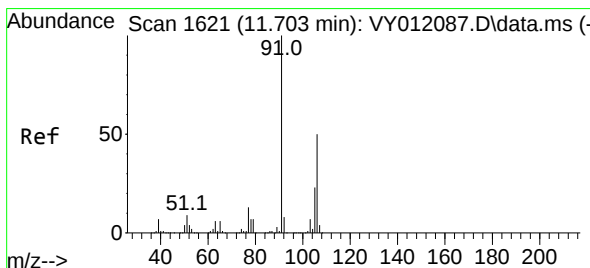
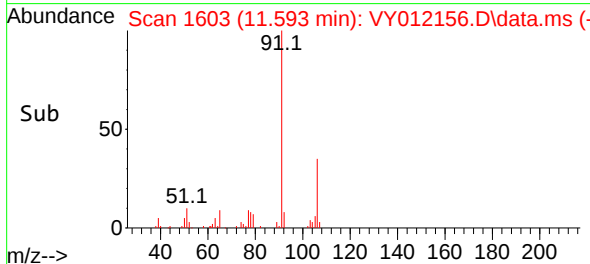
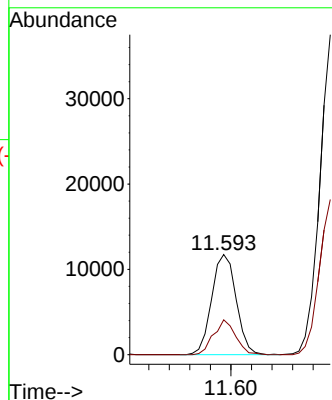
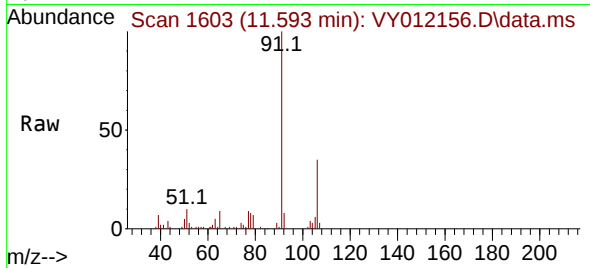




#67
Ethyl Benzene
Concen: 5.451 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

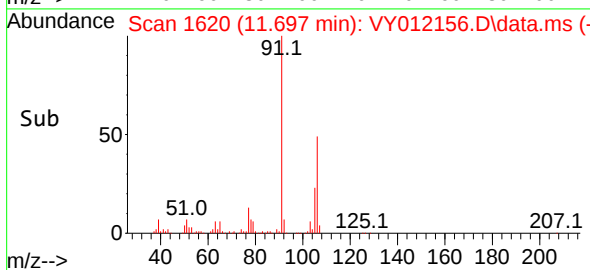
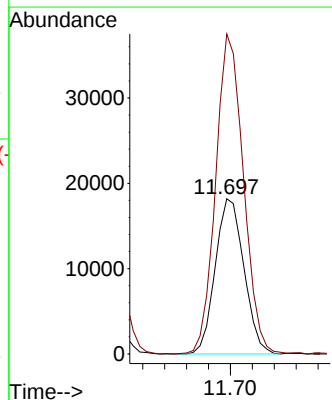
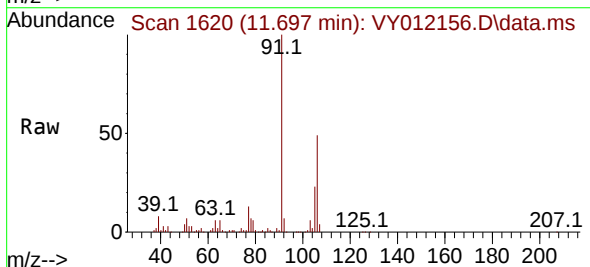
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

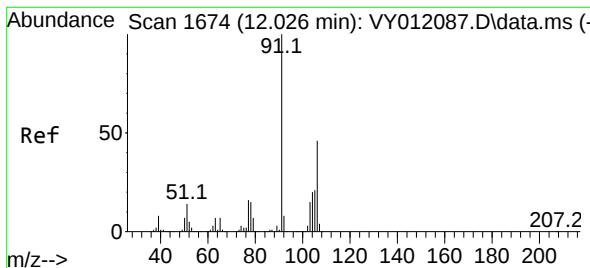
Tgt Ion: 91 Resp: 19364
Ion Ratio Lower Upper
91 100
106 34.8 25.0 37.4



#68
m/p-Xylenes
Concen: 23.683 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 106 Resp: 32996
Ion Ratio Lower Upper
106 100
91 200.4 162.5 243.7





#69

o-Xylene

Concen: 15.752 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY012156.D

Acq: 11 Jan 2023 12:28

Instrument :

MSVOA_Y

ClientSampleId :

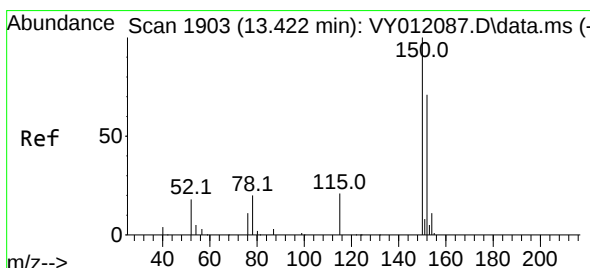
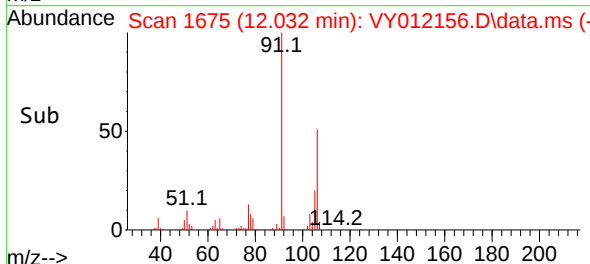
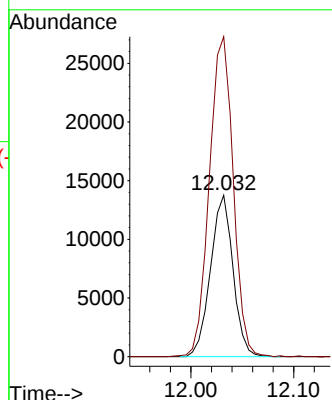
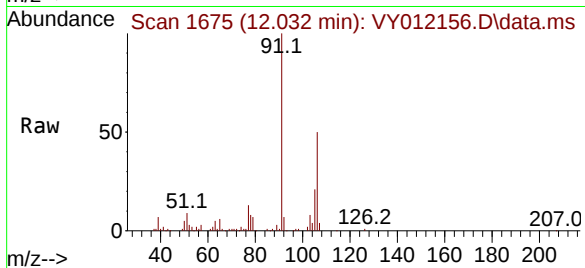
SLUDGE-4

Tgt Ion:106 Resp: 20896

Ion Ratio Lower Upper

106 100

91 210.2 107.5 322.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012156.D

Acq: 11 Jan 2023 12:28

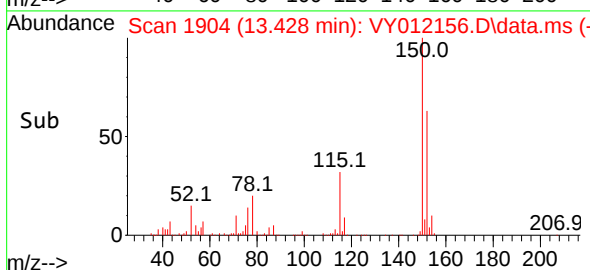
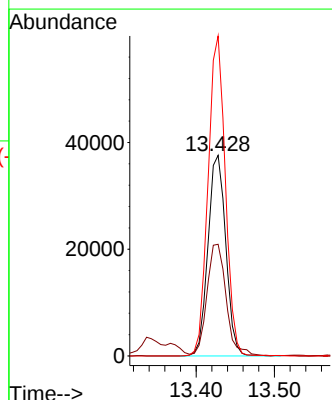
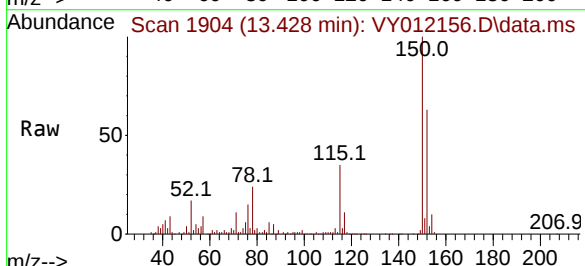
Tgt Ion:152 Resp: 59423

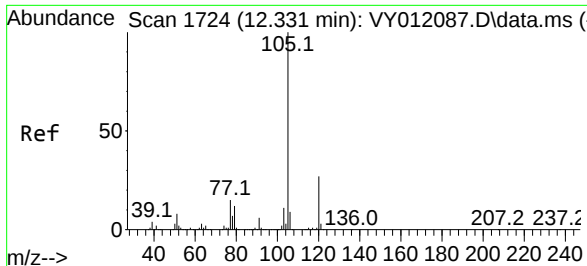
Ion Ratio Lower Upper

152 100

115 60.1 29.1 87.3

150 154.2 0.0 342.6

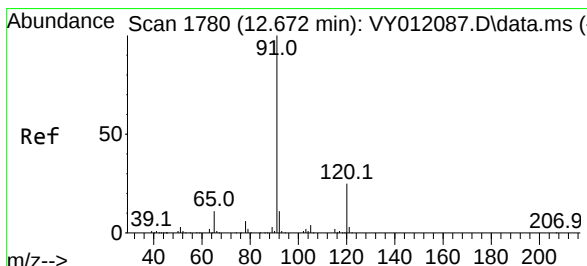
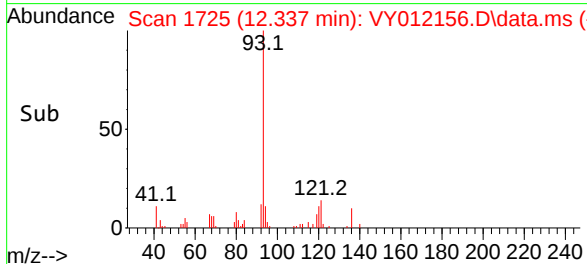
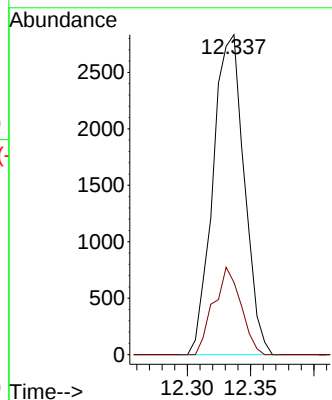
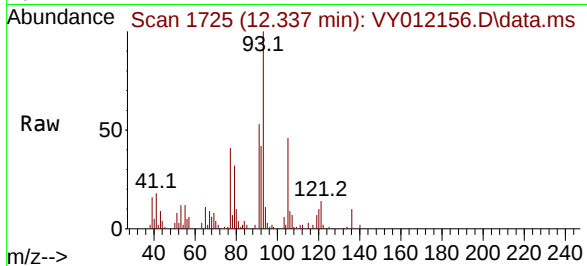




#73
Isopropylbenzene
Concen: 1.036 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

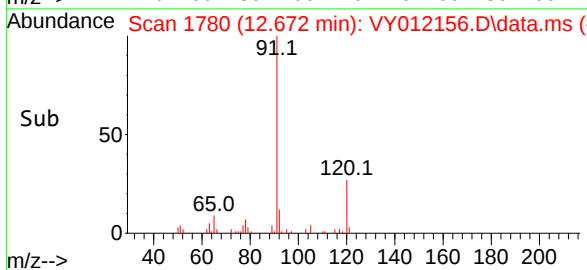
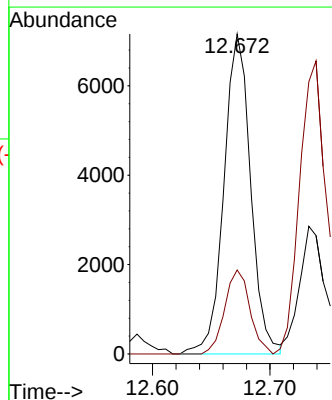
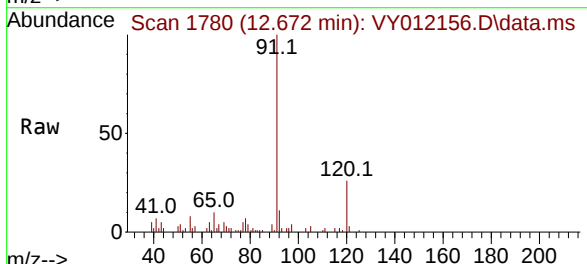
Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

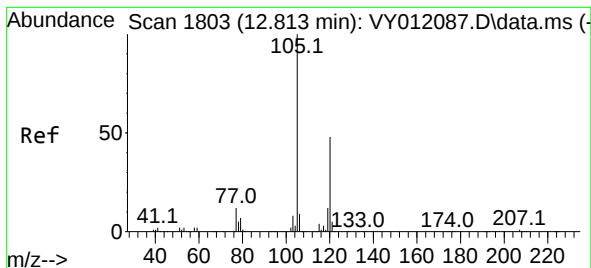
Tgt Ion:105 Resp: 4869
Ion Ratio Lower Upper
105 100
120 23.8 13.2 39.6



#78
n-propylbenzene
Concen: 2.065 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 91 Resp: 11333
Ion Ratio Lower Upper
91 100
120 24.7 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 4.713 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.001 min

Lab File: VY012156.D

Acq: 11 Jan 2023 12:28

Instrument :

MSVOA_Y

ClientSampleId :

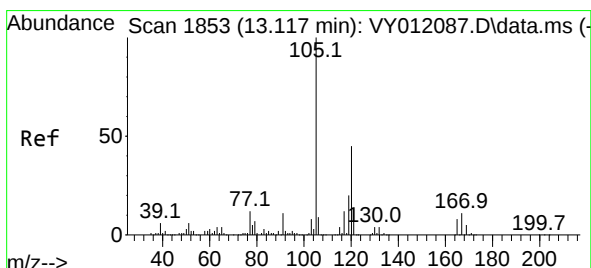
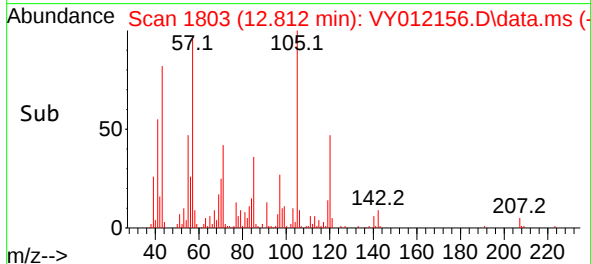
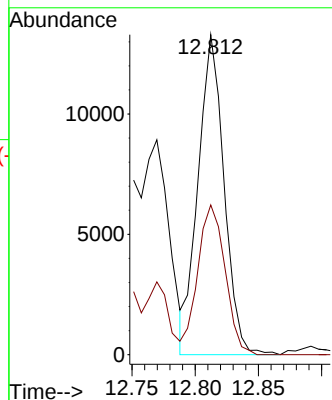
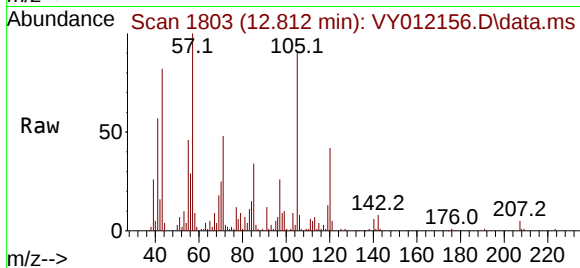
SLUDGE-4

Tgt Ion:105 Resp: 19006

Ion Ratio Lower Upper

105 100

120 49.4 24.2 72.6



#84

1,2,4-Trimethylbenzene

Concen: 18.958 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY012156.D

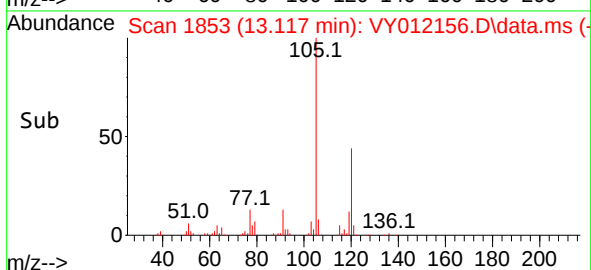
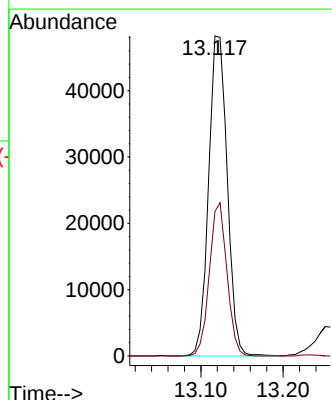
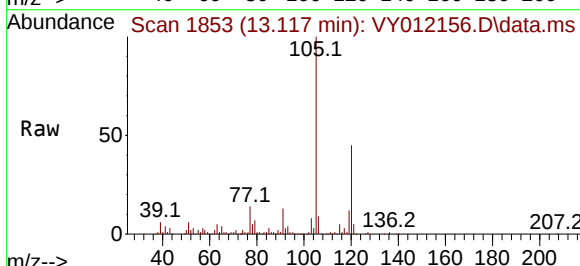
Acq: 11 Jan 2023 12:28

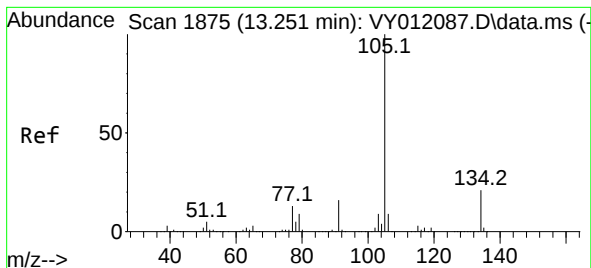
Tgt Ion:105 Resp: 75683

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.7





#85

sec-Butylbenzene

Concen: 1.665 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012156.D

Acq: 11 Jan 2023 12:28

Instrument :

MSVOA_Y

ClientSampleId :

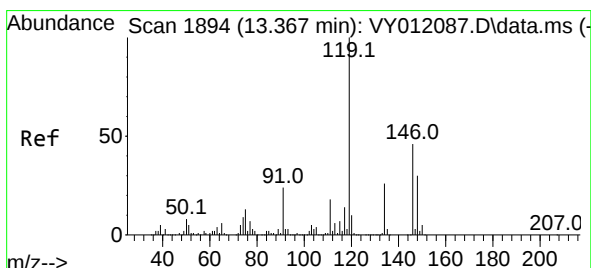
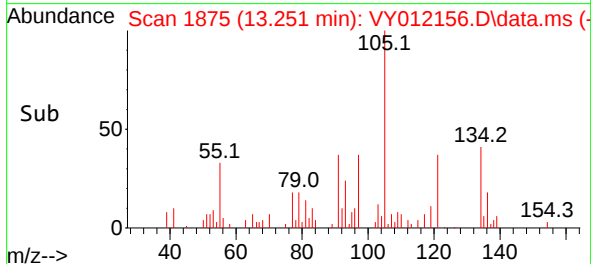
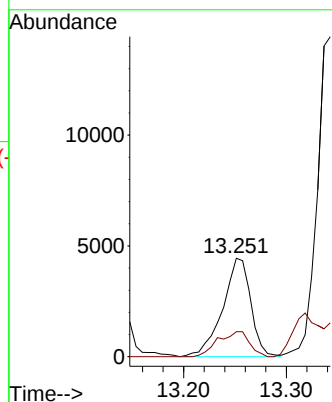
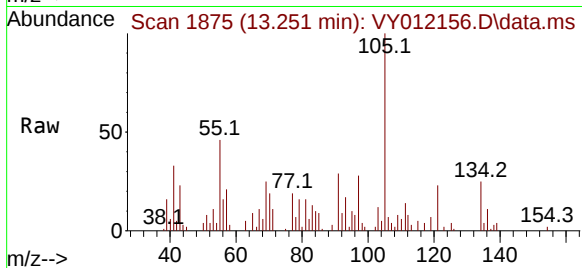
SLUDGE-4

Tgt Ion:105 Resp: 8455

Ion Ratio Lower Upper

105 100

134 28.6 10.1 30.3



#86

p-Isopropyltoluene

Concen: 10.629 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY012156.D

Acq: 11 Jan 2023 12:28

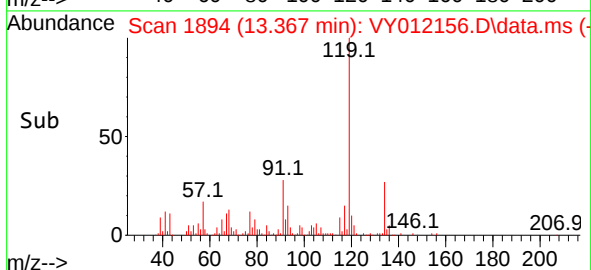
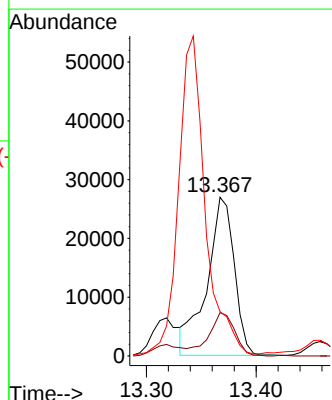
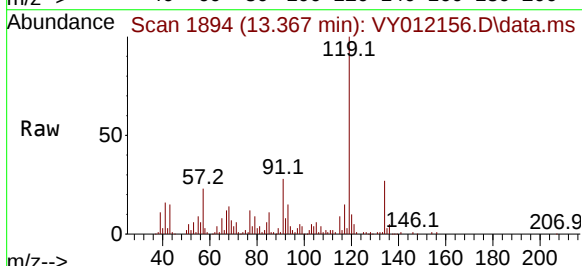
Tgt Ion:119 Resp: 46768

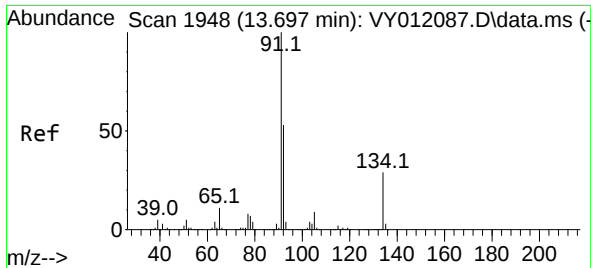
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 0.0 11.9 35.9#

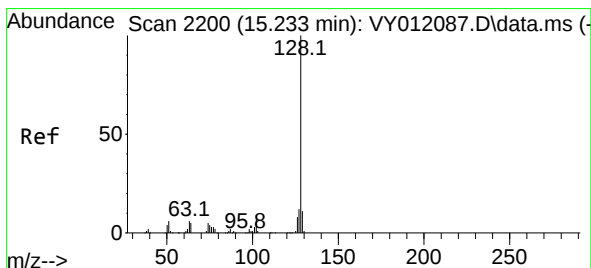
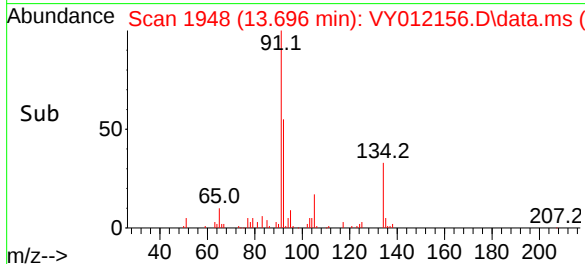
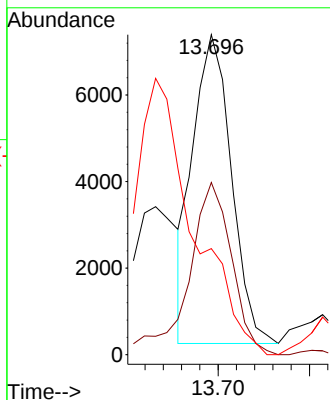
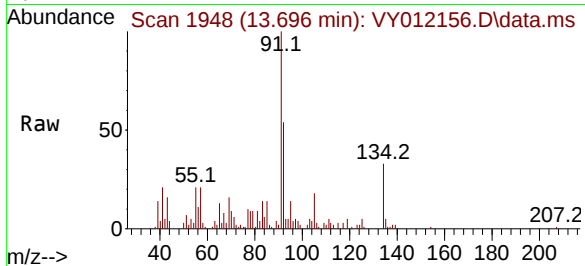




#89
n-Butylbenzene
Concen: 2.723 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Instrument :
MSVOA_Y
ClientSampleId :
SLUDGE-4

Tgt Ion: 91	Resp: 10381
Ion Ratio	Lower Upper
91	100
92	62.7 26.8 80.4
134	0.0 13.3 39.8#



#95
Naphthalene
Concen: 7.575 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012156.D
Acq: 11 Jan 2023 12:28

Tgt Ion: 128	Resp: 18717
Ion Ratio	Lower Upper
128	100
127	17.1 10.2 15.2#
129	11.5 8.8 13.2

