

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY016010.D
 Acq On : 17 Oct 2023 17:32
 Operator : SY/MD
 Sample : 04881-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A455-SLUDGE

Quant Time: Oct 18 06:10:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

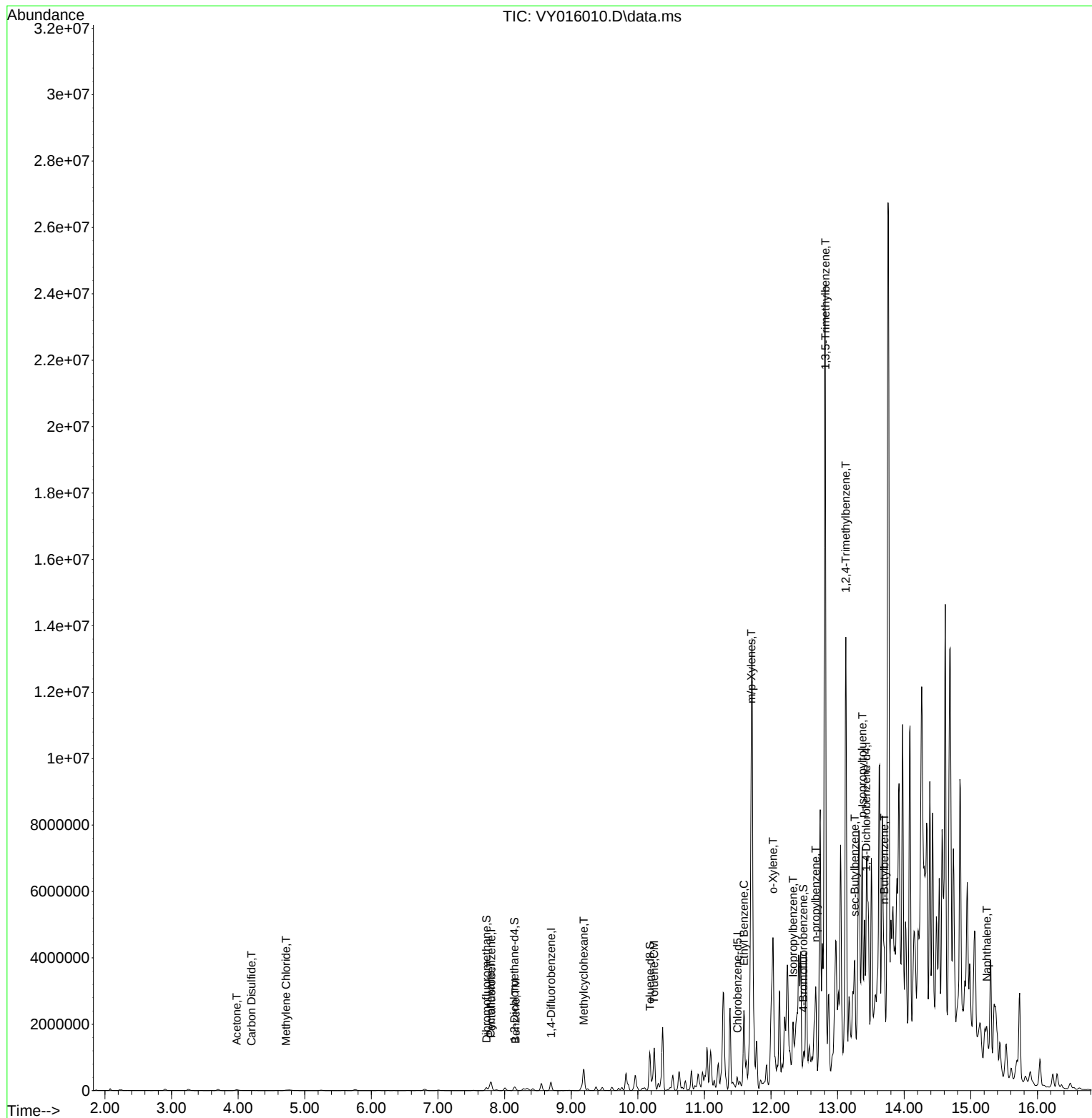
Internal Standards						
1) Pentafluorobenzene	7.801	168	131342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	219824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	197608	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	77962	52.010	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.020%	
35) Dibromofluoromethane	7.728	113	63743	46.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.120%	
50) Toluene-d8	10.184	98	296672	57.243	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.480%	
62) 4-Bromofluorobenzene	12.483	95	128868	69.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 139.660%	
Target Compounds						
					Qvalue	
16) Acetone	3.978	43	71181	81.748	ug/l	92
17) Carbon Disulfide	4.198	76	4418	1.132	ug/l	97
20) Methylene Chloride	4.716	84	9222	1.520	ug/l	# 74
31) Cyclohexane	7.789	56	58462	24.500	ug/l	92
39) Methylcyclohexane	9.191	83	282385	105.404	ug/l	92
40) Benzene	8.167	78	28694	4.749	ug/l	99
52) Toluene	10.245	92	533134	138.016	ug/l	95
67) Ethyl Benzene	11.593	91	1508576	208.376	ug/l	100
68) m/p-Xylenes	11.703	106	1930416	690.930	ug/l	95
69) o-Xylene	12.032	106	897122	335.854	ug/l	98
73) Isopropylbenzene	12.330	105	651138	81.845	ug/l	100
78) n-propylbenzene	12.672	91	1797233	185.770	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	1697941	256.891	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	6236749	940.017	ug/l	95
85) sec-Butylbenzene	13.257	105	1082369	125.570	ug/l	91
86) p-Isopropyltoluene	13.373	119	841287	116.797	ug/l	100
89) n-Butylbenzene	13.702	91	950169	140.280	ug/l	# 69
95) Naphthalene	15.238	128	651711	84.932	ug/l	# 96

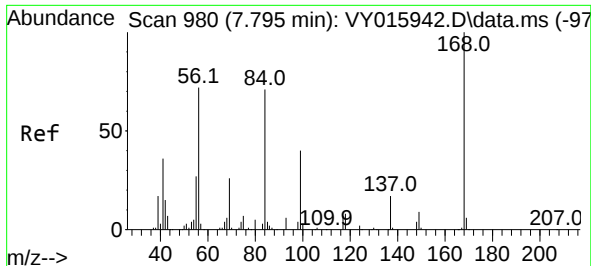
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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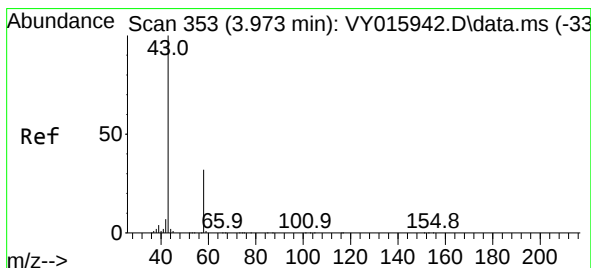
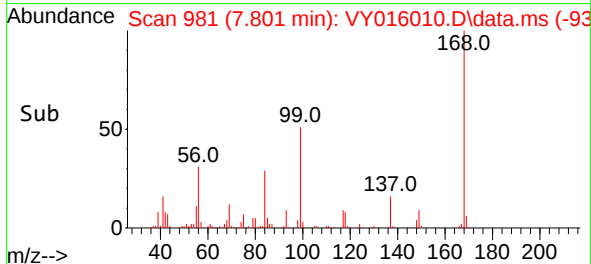
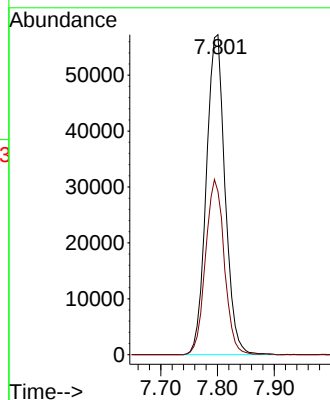
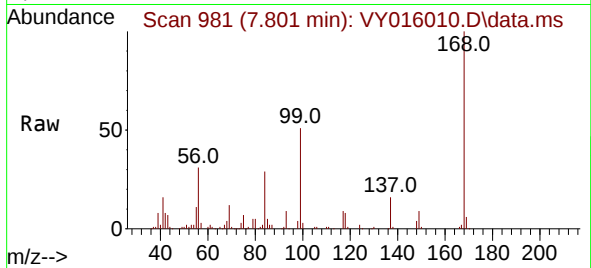




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

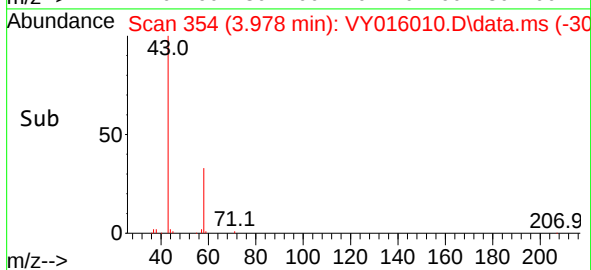
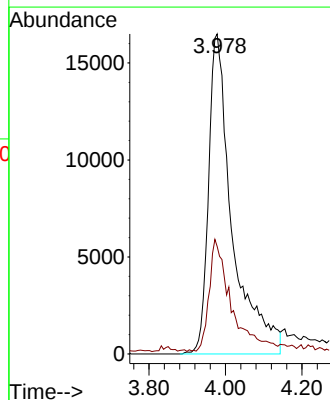
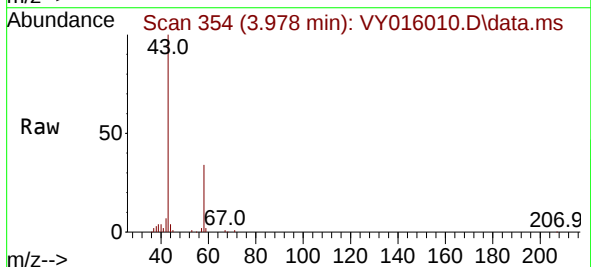
Instrument :
MSVOA_Y
ClientSampleId :
A455-SLUDGE

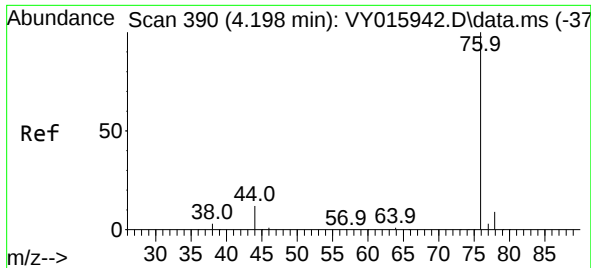
Tgt Ion:168 Resp: 131342
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#16
Acetone
Concen: 81.748 ug/l
RT: 3.978 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

Tgt Ion: 43 Resp: 71181
Ion Ratio Lower Upper
43 100
58 32.5 22.7 34.1

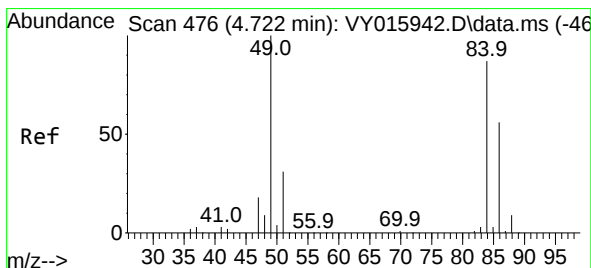
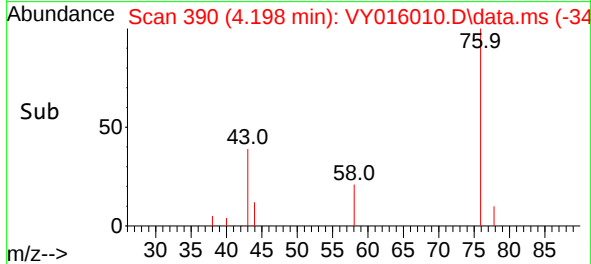
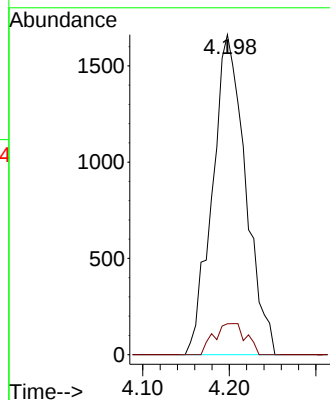
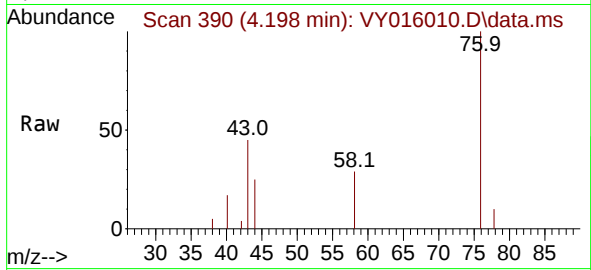




#17
Carbon Disulfide
Concen: 1.132 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

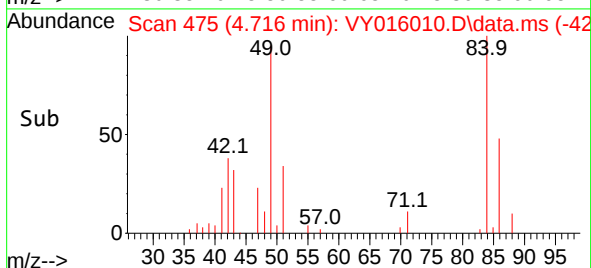
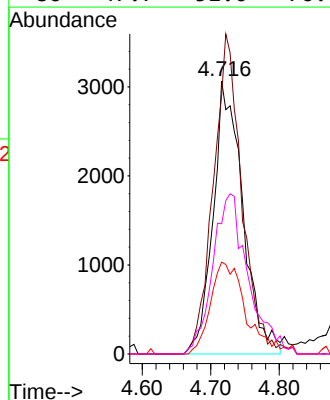
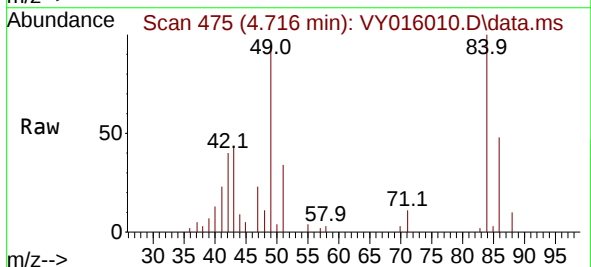
Instrument :
MSVOA_Y
ClientSampleId :
A455-SLUDGE

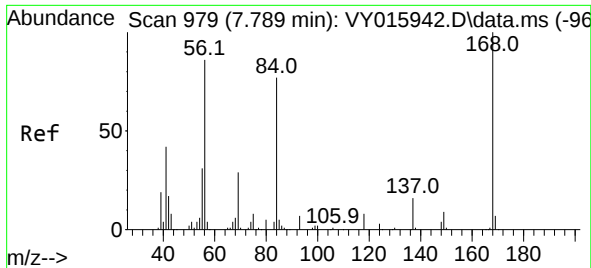
Tgt Ion: 76 Resp: 4418
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.4



#20
Methylene Chloride
Concen: 1.520 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

Tgt Ion: 84 Resp: 9222
Ion Ratio Lower Upper
84 100
49 95.0 106.9 160.3#
51 33.7 33.2 49.8
86 47.7 51.0 76.6#

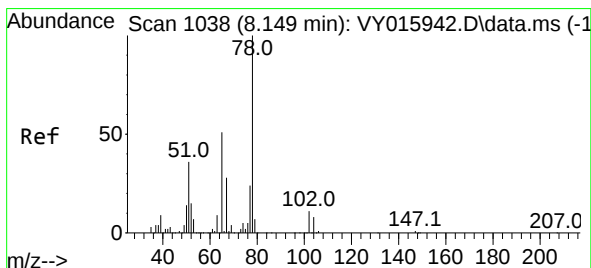
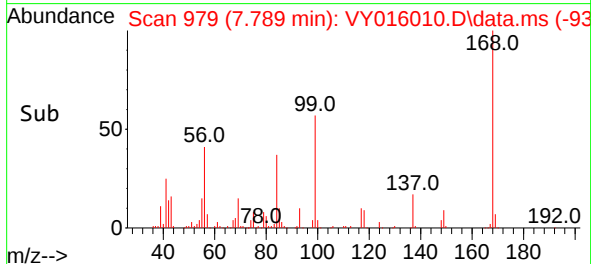
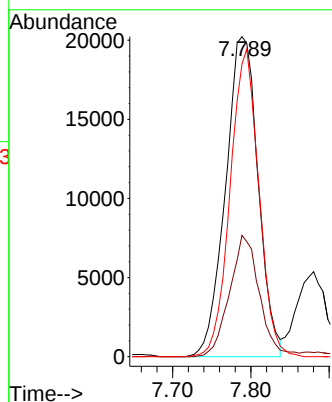
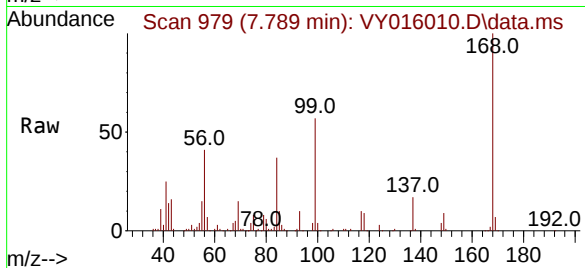




#31
Cyclohexane
Concen: 24.500 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

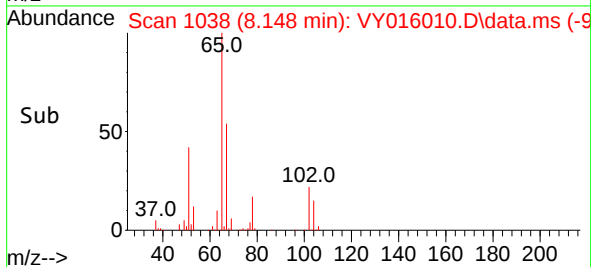
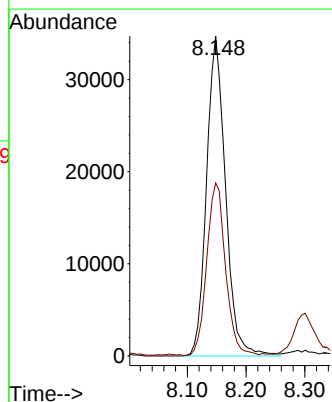
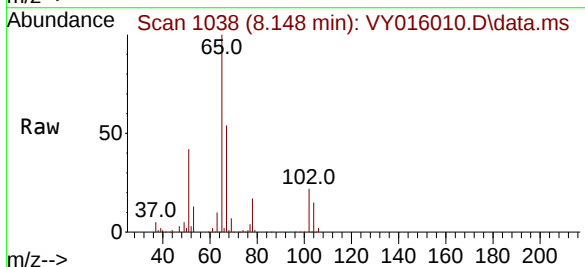
Instrument :
MSVOA_Y
ClientSampleId :
A455-SLUDGE

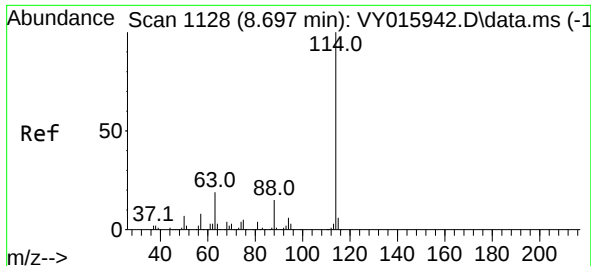
Tgt Ion: 56 Resp: 58462
Ion Ratio Lower Upper
56 100
69 37.9 27.8 41.6
84 91.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.010 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

Tgt Ion: 65 Resp: 77962
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

A455-SLUDGE

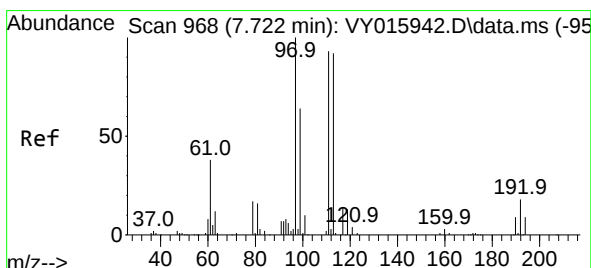
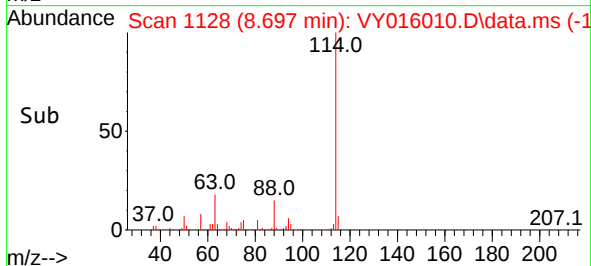
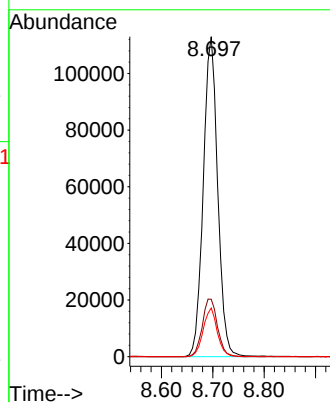
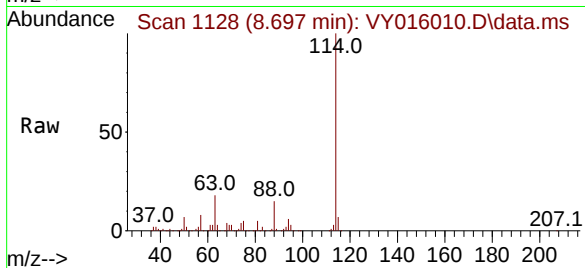
Tgt Ion:114 Resp: 219824

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.060 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

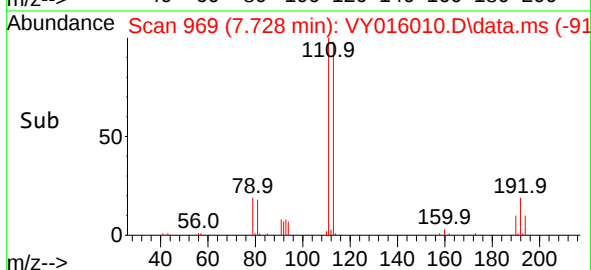
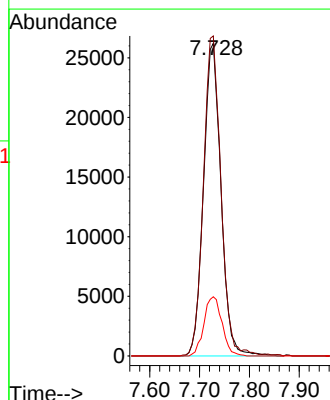
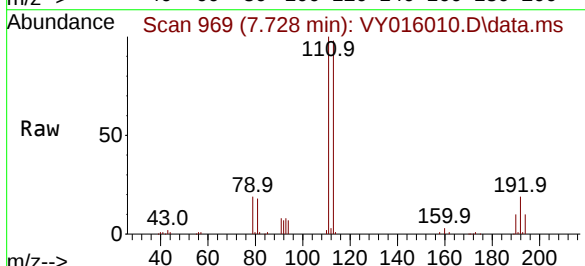
Tgt Ion:113 Resp: 63743

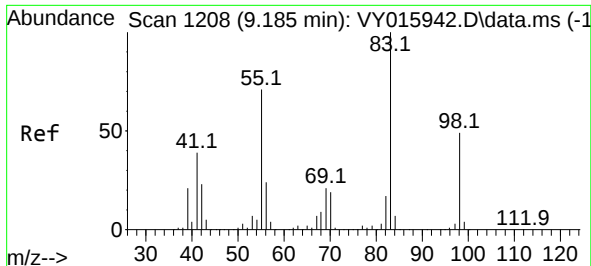
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 19.6 16.9 25.3





#39

Methylcyclohexane

Concen: 105.404 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Instrument :

MSVOA_Y

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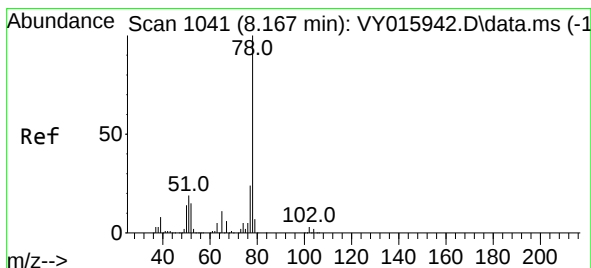
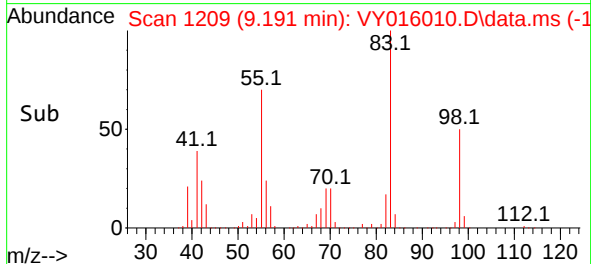
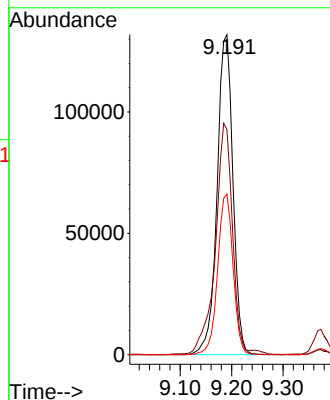
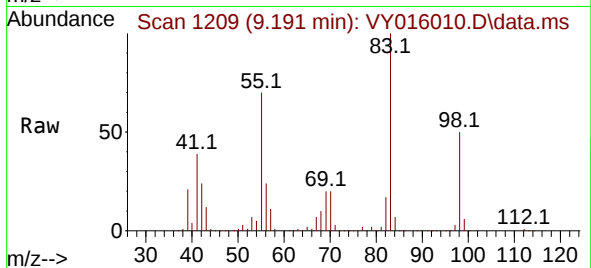
Tgt Ion: 83 Resp: 282385

Ion Ratio Lower Upper

83 100

55 70.3 63.0 94.4

98 50.2 37.4 56.2



#40

Benzene

Concen: 4.749 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY016010.D

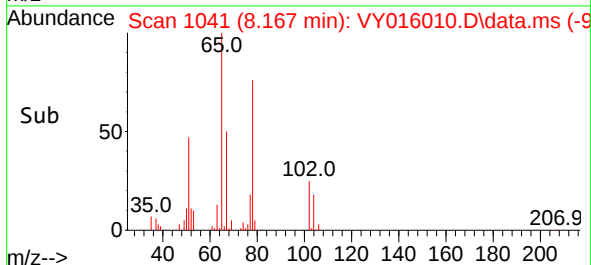
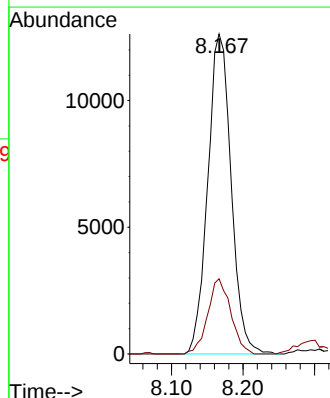
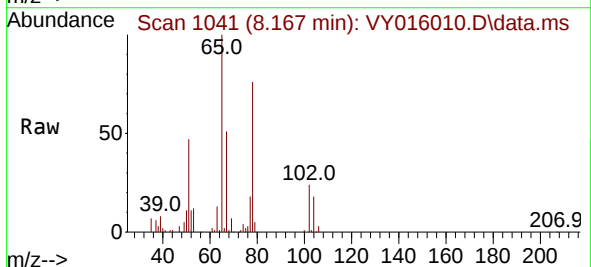
Acq: 17 Oct 2023 17:32

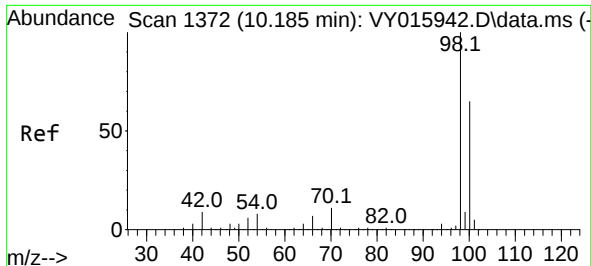
Tgt Ion: 78 Resp: 28694

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

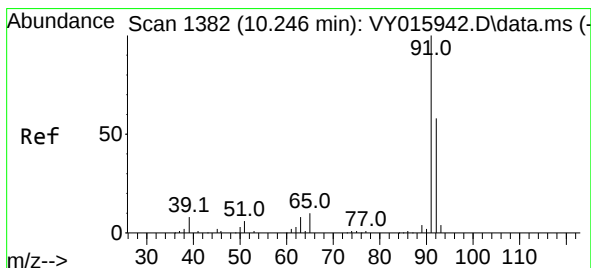
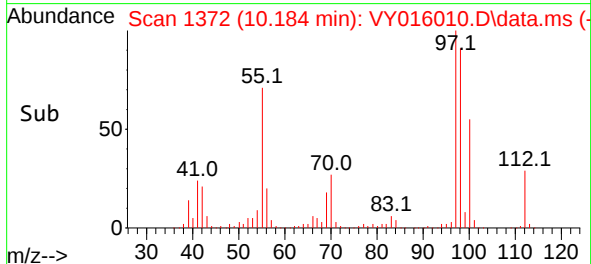
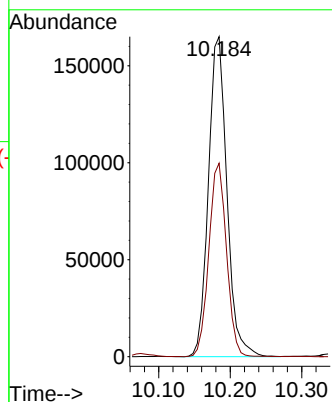
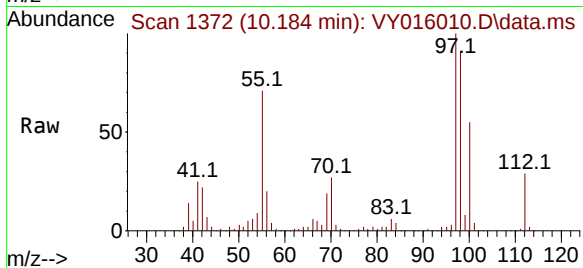




#50
Toluene-d8
Concen: 57.243 ug/l
RT: 10.184 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

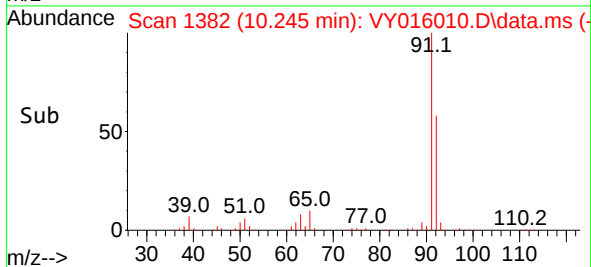
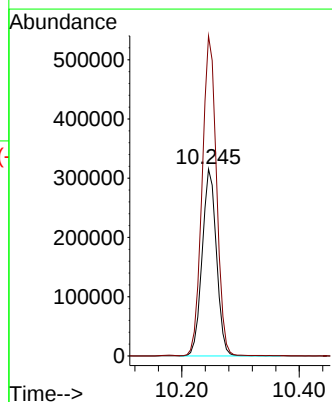
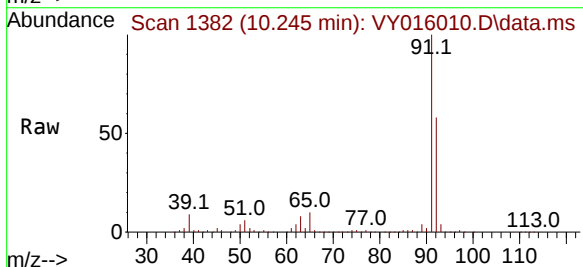
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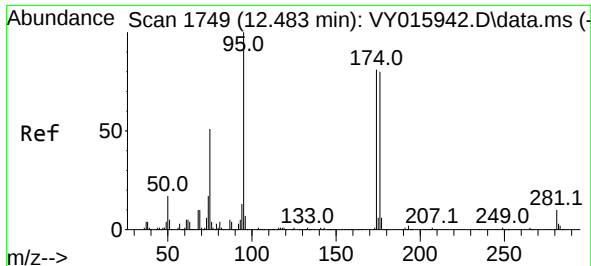
Tgt Ion: 98 Resp: 296672
Ion Ratio Lower Upper
98 100
100 57.7 50.1 75.1



#52
Toluene
Concen: 138.016 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

Tgt Ion: 92 Resp: 533134
Ion Ratio Lower Upper
92 100
91 172.0 143.8 215.6

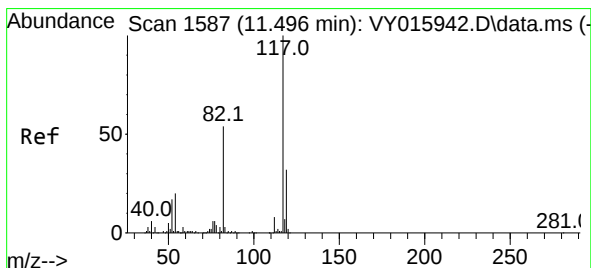
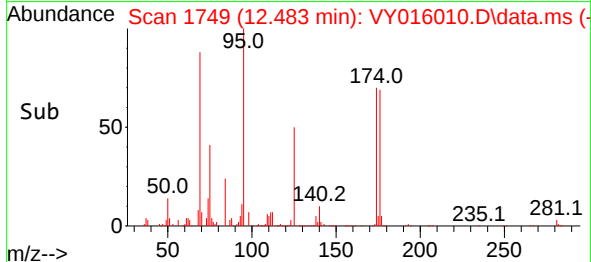
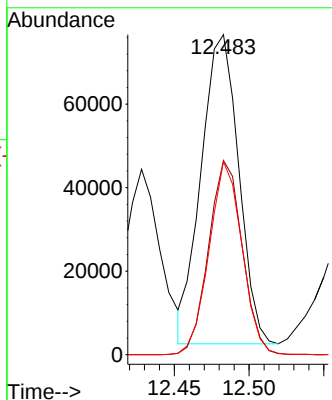
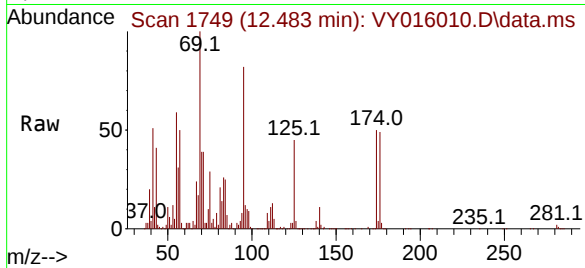




#62
4-Bromofluorobenzene
Concen: 69.830 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

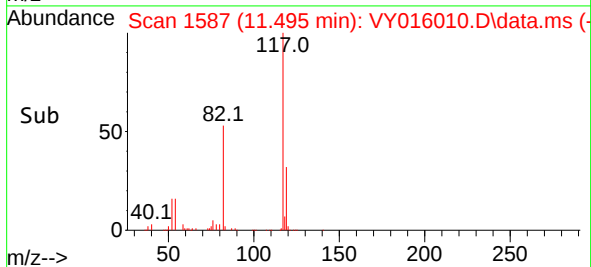
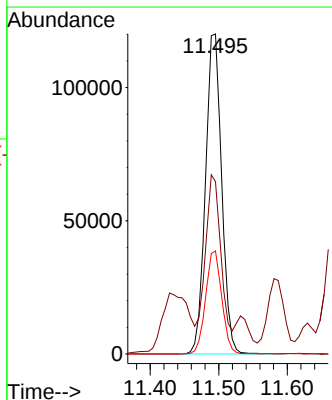
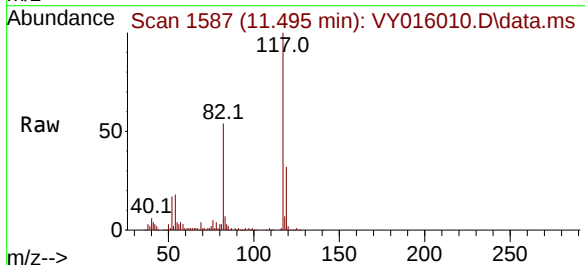
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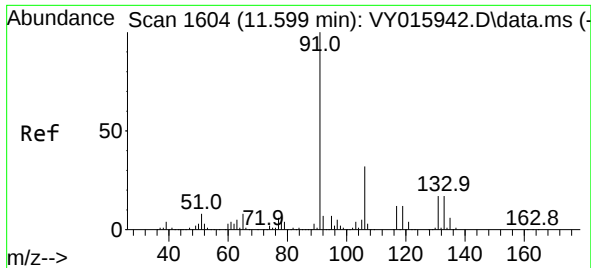
Tgt Ion: 95 Resp: 128868
Ion Ratio Lower Upper
95 100
174 56.5 0.0 178.2
176 54.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

Tgt Ion: 117 Resp: 197608
Ion Ratio Lower Upper
117 100
82 36.1 43.4 65.0#
119 32.2 26.3 39.5

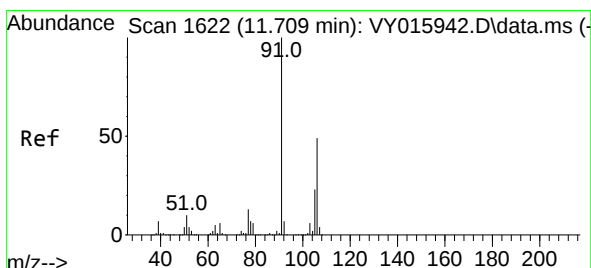
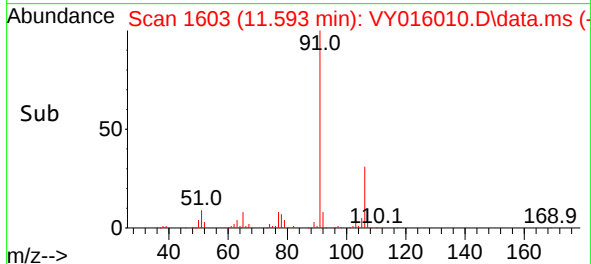
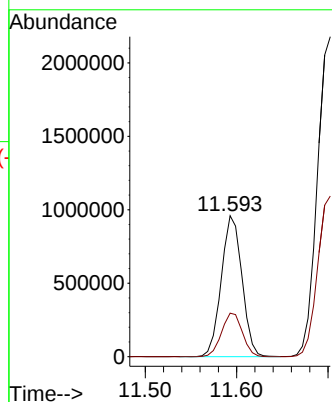
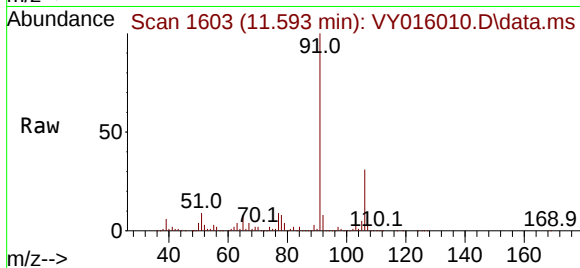




#67
Ethyl Benzene
Concen: 208.376 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

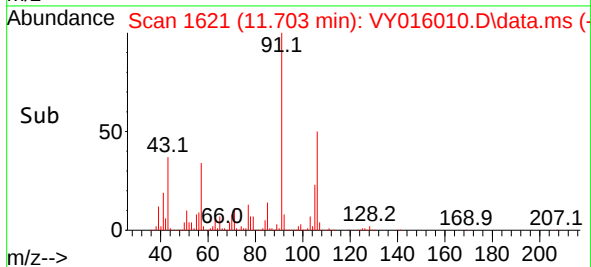
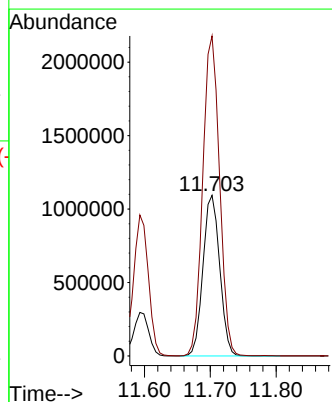
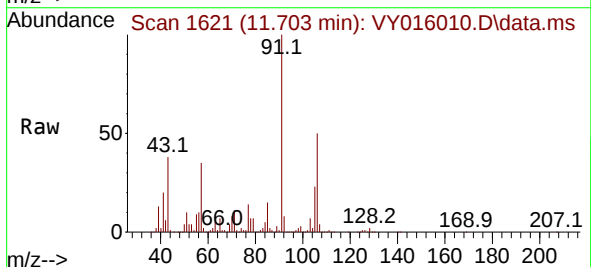
Instrument :
MSVOA_Y
ClientSampleId :
A455-SLUDGE

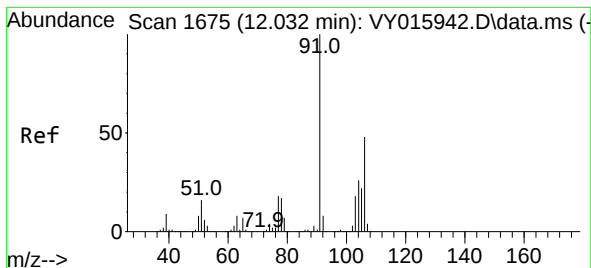
Tgt Ion: 91 Resp: 1508576
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 690.930 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY016010.D
Acq: 17 Oct 2023 17:32

Tgt Ion:106 Resp: 1930416
Ion Ratio Lower Upper
106 100
91 199.9 166.1 249.1





#69

o-Xylene

Concen: 335.854 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

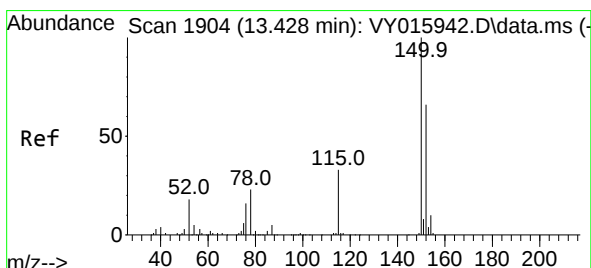
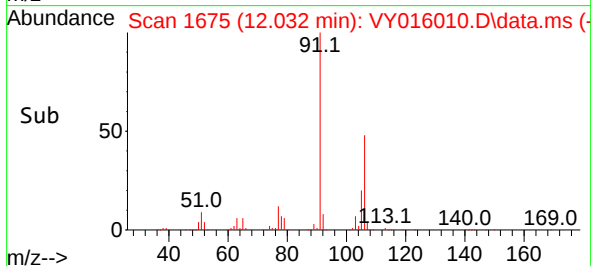
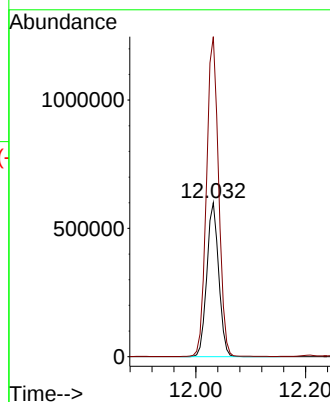
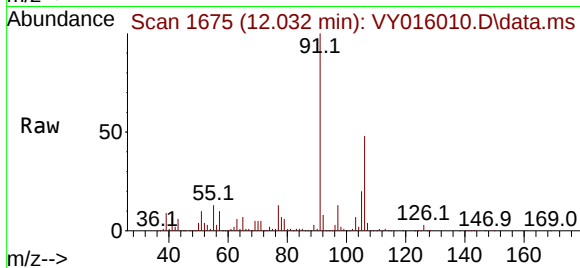
A455-SLUDGE

Tgt Ion:106 Resp: 897122

Ion Ratio Lower Upper

106 100

91 212.6 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

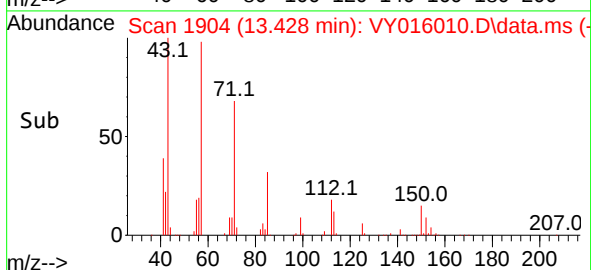
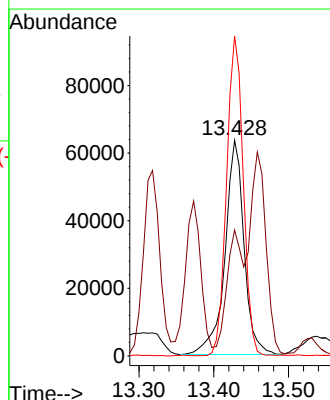
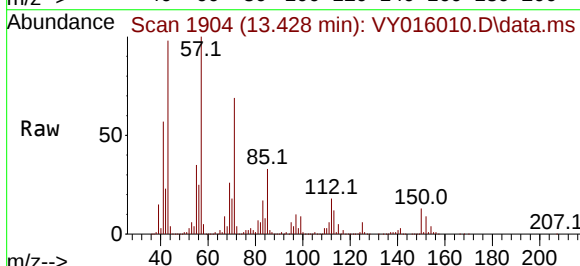
Tgt Ion:152 Resp: 112383

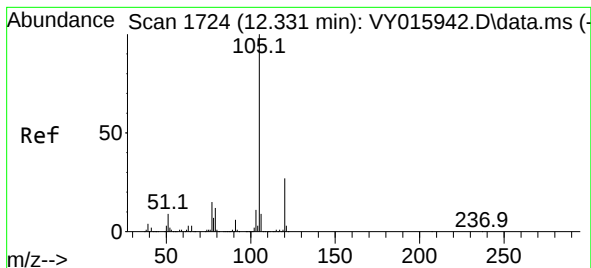
Ion Ratio Lower Upper

152 100

115 48.8 28.8 86.5

150 130.0 0.0 348.8





#73

Isopropylbenzene

Concen: 81.845 ug/l

RT: 12.330 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

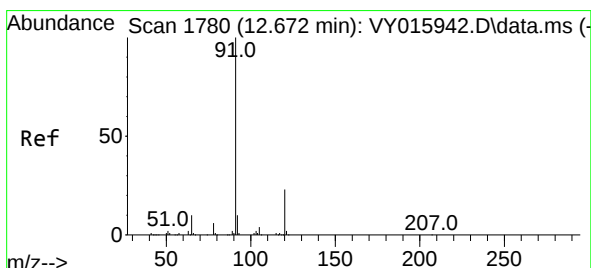
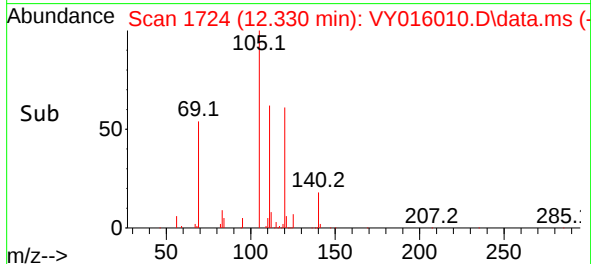
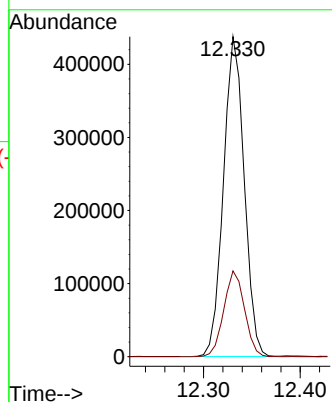
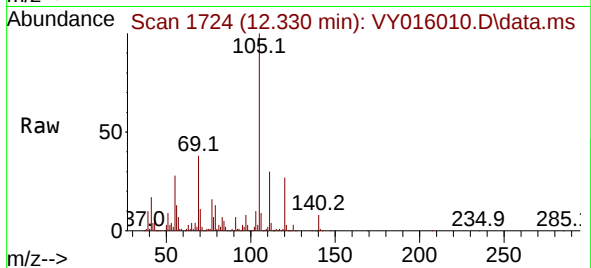
A455-SLUDGE

Tgt Ion:105 Resp: 651138

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#78

n-propylbenzene

Concen: 185.770 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY016010.D

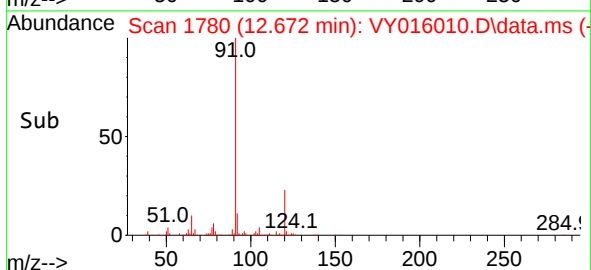
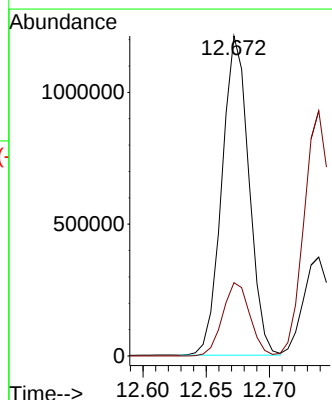
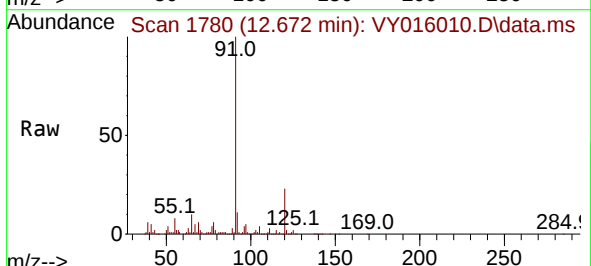
Acq: 17 Oct 2023 17:32

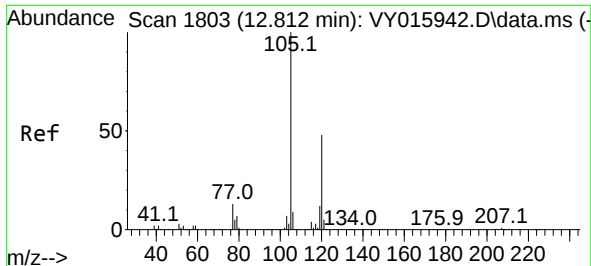
Tgt Ion: 91 Resp: 1797233

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 256.891 ug/l

RT: 12.818 min Scan# 1803

Delta R.T. 0.006 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

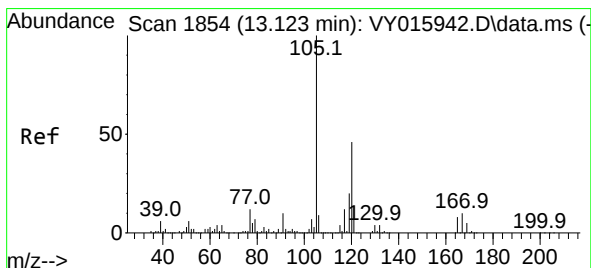
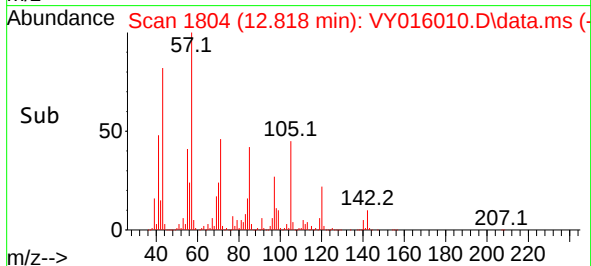
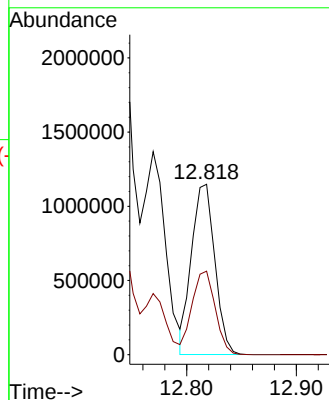
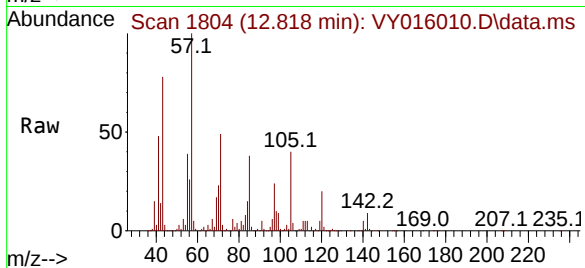
A455-SLUDGE

Tgt Ion:105 Resp: 1697941

Ion Ratio Lower Upper

105 100

120 48.9 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 940.017 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY016010.D

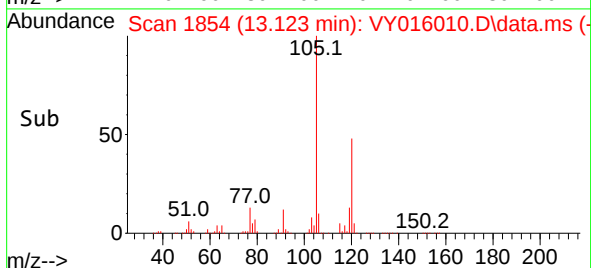
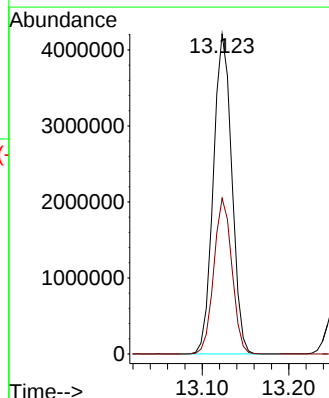
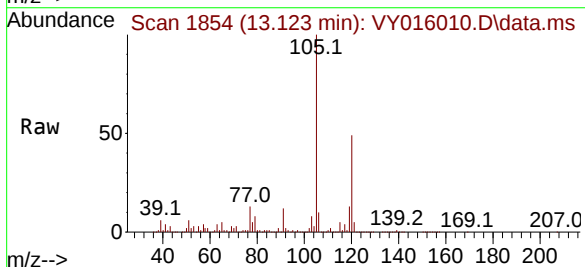
Acq: 17 Oct 2023 17:32

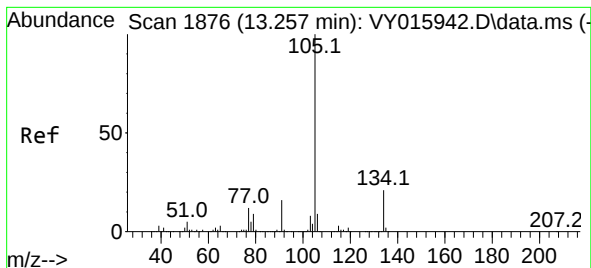
Tgt Ion:105 Resp: 6236749

Ion Ratio Lower Upper

105 100

120 47.6 22.2 66.6





#85

sec-Butylbenzene

Concen: 125.570 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. -0.000 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

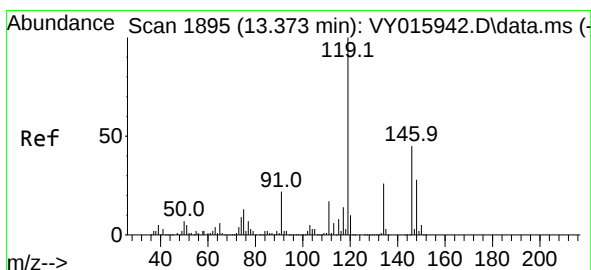
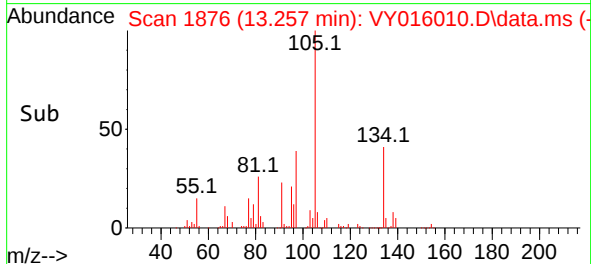
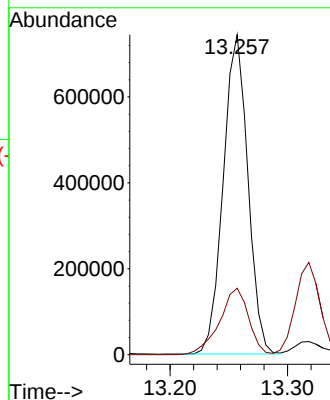
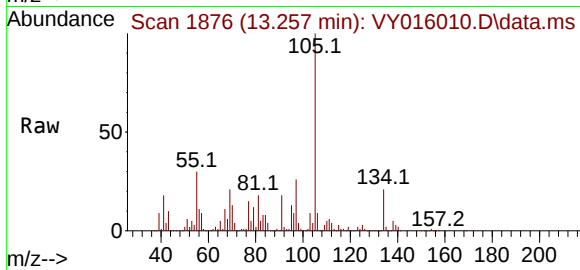
A455-SLUDGE

Tgt Ion:105 Resp: 1082369

Ion Ratio Lower Upper

105 100

134 24.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 116.797 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.000 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

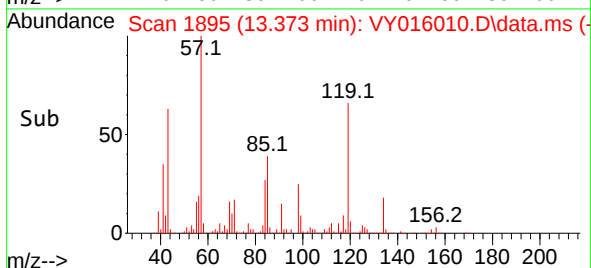
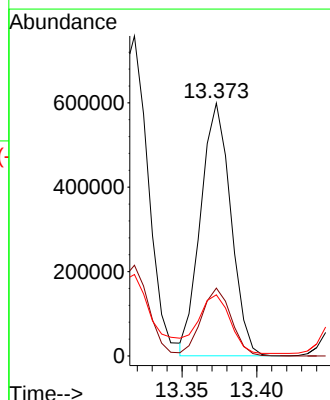
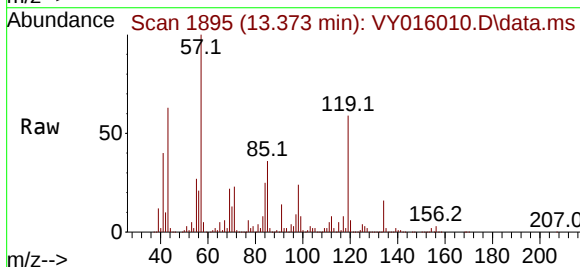
Tgt Ion:119 Resp: 841287

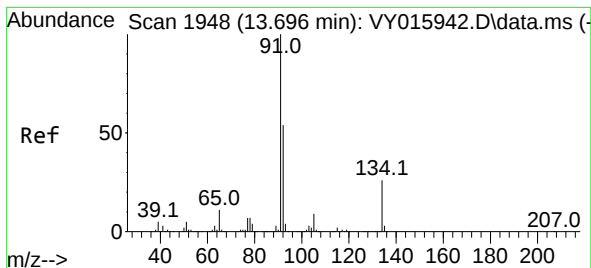
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 24.5 12.4 37.4





#89

n-Butylbenzene

Concen: 140.280 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

A455-SLUDGE

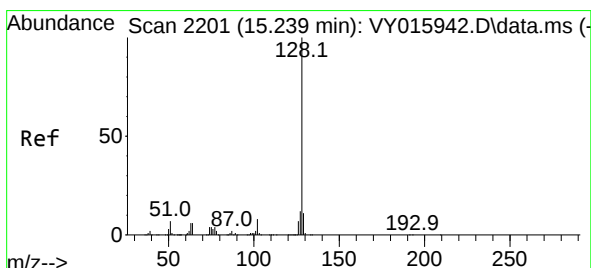
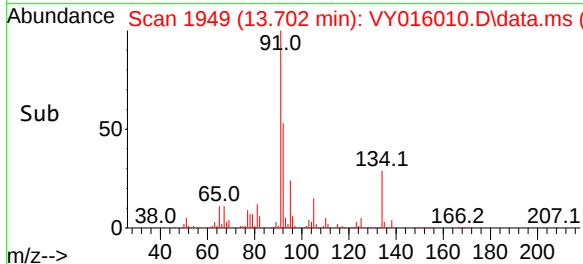
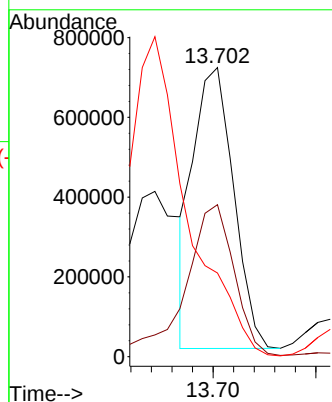
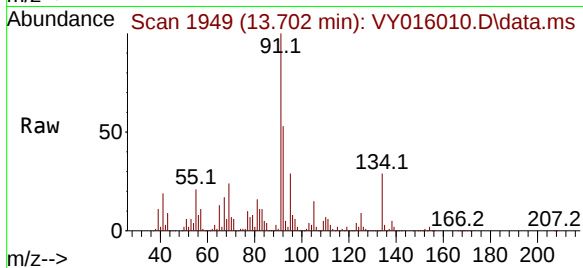
Tgt Ion: 91 Resp: 950169

Ion Ratio Lower Upper

91 100

92 65.4 25.4 76.0

134 0.0 12.6 37.6#



#95

Naphthalene

Concen: 84.932 ug/l

RT: 15.238 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY016010.D

Acq: 17 Oct 2023 17:32

Tgt Ion:128 Resp: 651711

Ion Ratio Lower Upper

128 100

127 14.1 10.8 16.2

129 13.6 8.6 13.0#

