

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007185.D
 Acq On : 17 Jan 2022 14:25
 Operator : SY/MD
 Sample : N1145-06
 Misc : 6.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-6-8.5

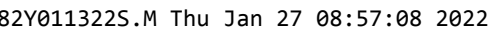
Quant Time: Jan 18 03:08:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

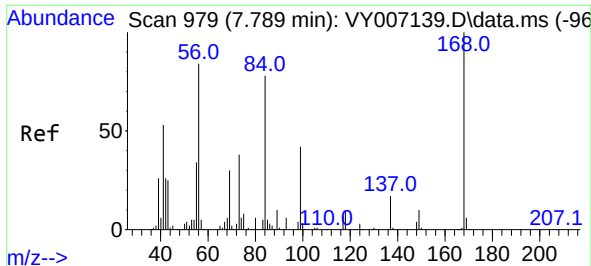
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	122963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	225418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	212071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81680	54.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.280%			
35) Dibromofluoromethane	7.722	113	75405	49.470	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.940%			
50) Toluene-d8	10.178	98	276690	49.680	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.483	95	104096	52.543	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.080%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	18547	47.366	ug/l #	79
31) Cyclohexane	7.789	56	44973	17.631	ug/l #	95
39) Methylcyclohexane	9.185	83	29648	9.975	ug/l	95
40) Benzene	8.160	78	139687	21.511	ug/l	95
52) Toluene	10.245	92	1756328	426.693	ug/l	98
67) Ethyl Benzene	11.593	91	1878481	215.537	ug/l	99
68) m/p-Xylenes	11.703	106	860850	265.794	ug/l	100
69) o-Xylene	12.032	106	315909	103.576	ug/l	99
73) Isopropylbenzene	12.330	105	72954	8.945	ug/l	99
78) n-propylbenzene	12.672	91	205842	20.360	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	93700	13.992	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	238791	35.975	ug/l	99
85) sec-Butylbenzene	13.257	105	10145	1.172	ug/l #	62
89) n-Butylbenzene	13.702	91	14575	2.081	ug/l #	77
95) Naphthalene	15.238	128	240226	60.180	ug/l	100

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

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Response via : Initial Calibration

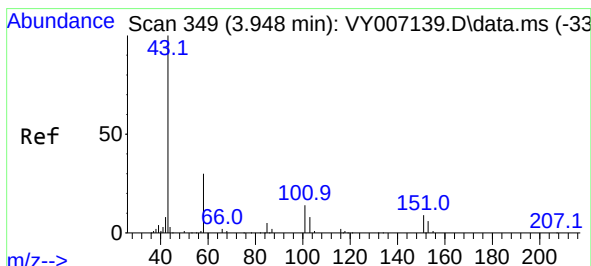
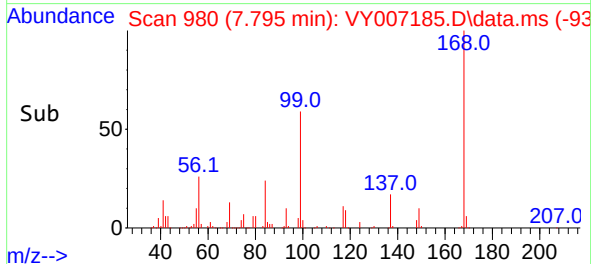
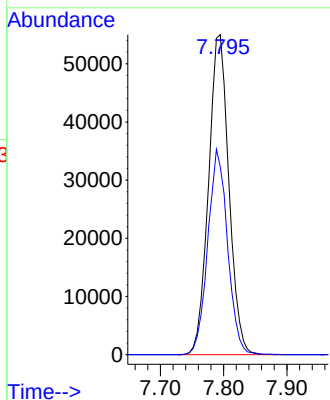
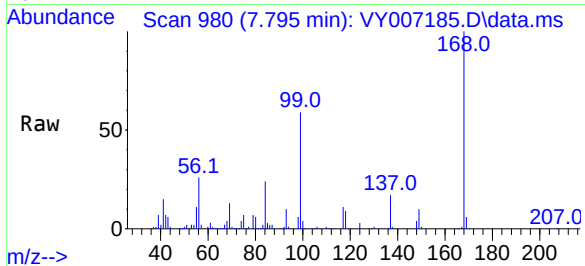




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

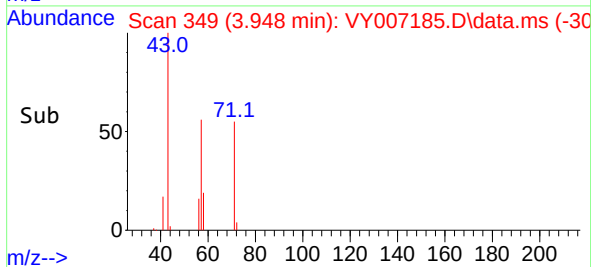
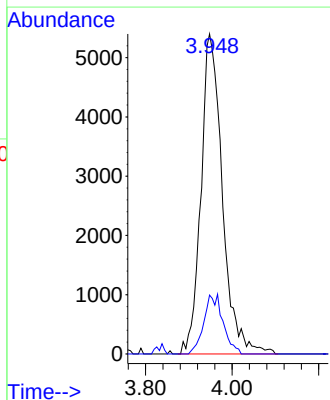
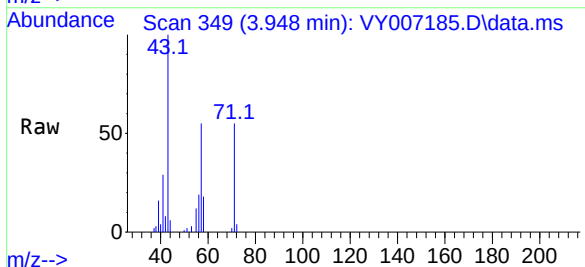
Instrument :
MSVOA_Y
ClientSampleId :
A3-6-8.5

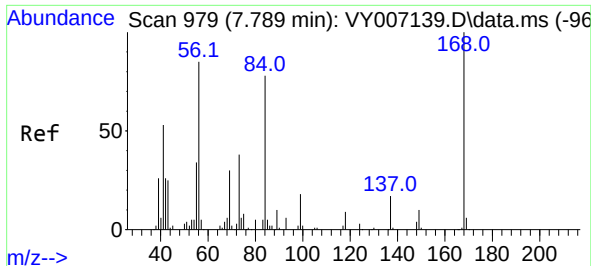
Tgt Ion:168 Resp: 122963
Ion Ratio Lower Upper
168 100
99 58.7 49.1 73.7



#16
Acetone
Concen: 47.366 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

Tgt Ion: 43 Resp: 18547
Ion Ratio Lower Upper
43 100
58 18.4 23.8 35.6#

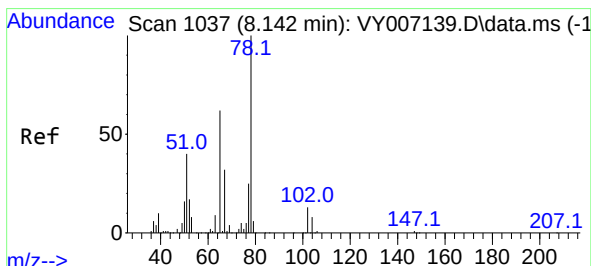
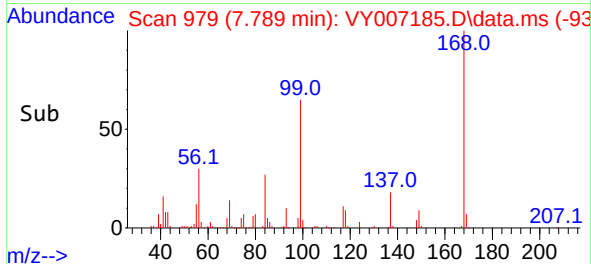
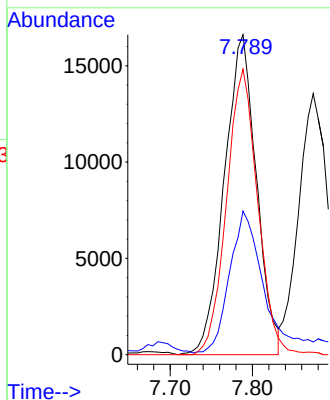
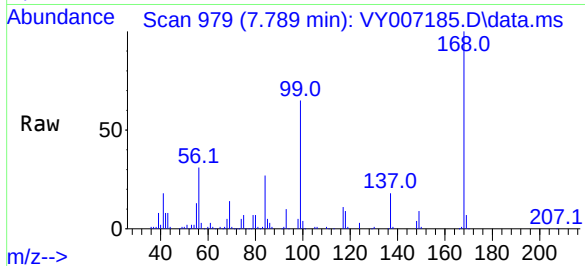




#31
Cyclohexane
Concen: 17.631 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

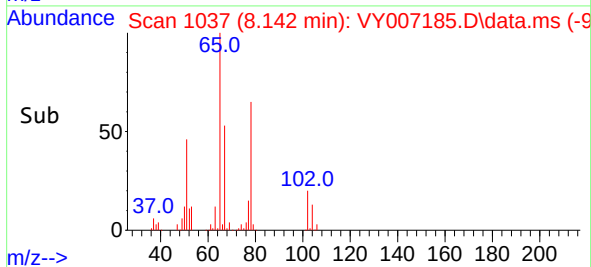
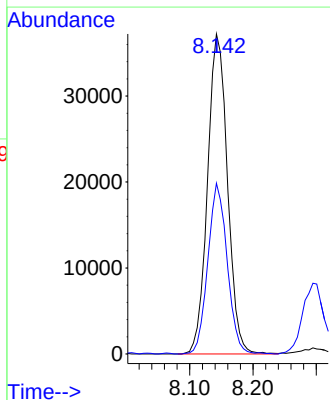
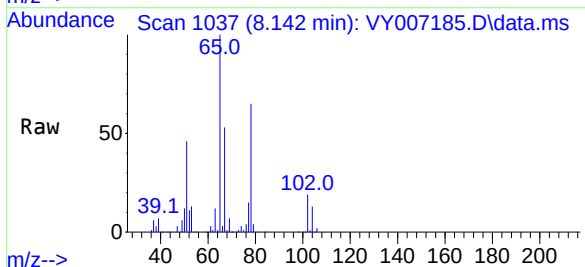
Instrument :
MSVOA_Y
ClientSampleId :
A3-6-8.5

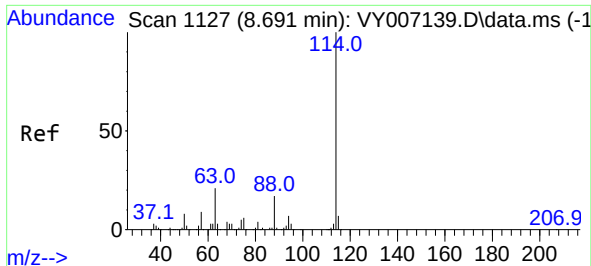
Tgt Ion: 56 Resp: 44973
Ion Ratio Lower Upper
56 100
69 43.2 27.2 40.8#
84 89.2 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 54.137 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

Tgt Ion: 65 Resp: 81680
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007185.D

Acq: 17 Jan 2022 14:25

Instrument :

MSVOA_Y

ClientSampleId :

A3-6-8.5

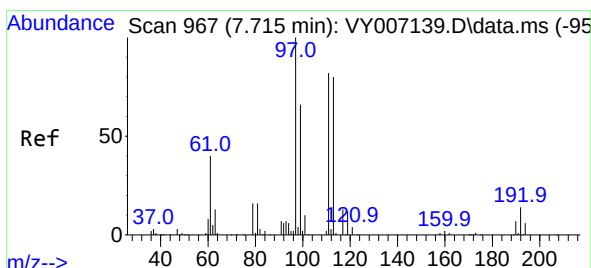
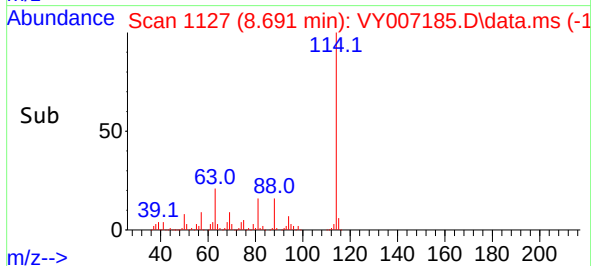
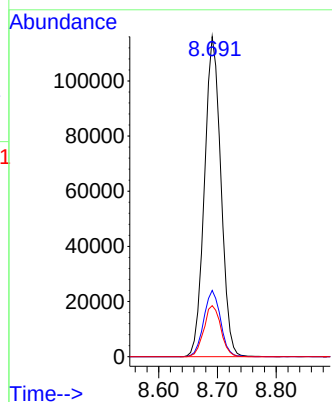
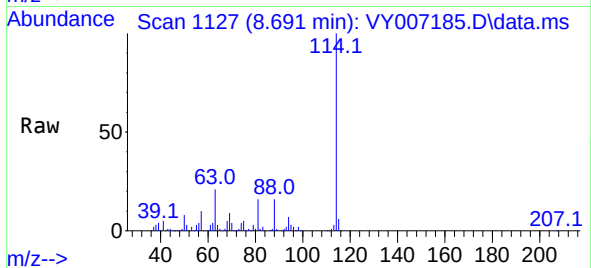
Tgt Ion:114 Resp: 225418

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

88 15.9 0.0 31.0



#35

Dibromofluoromethane

Concen: 49.470 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007185.D

Acq: 17 Jan 2022 14:25

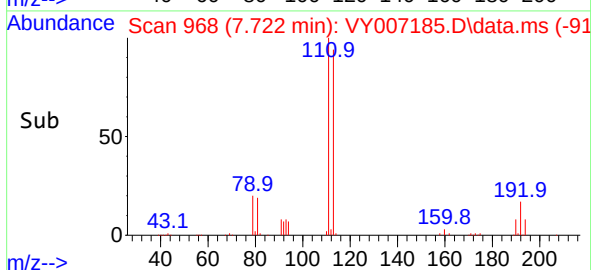
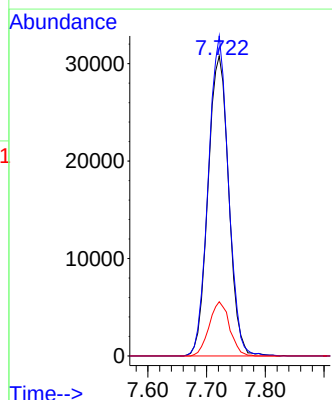
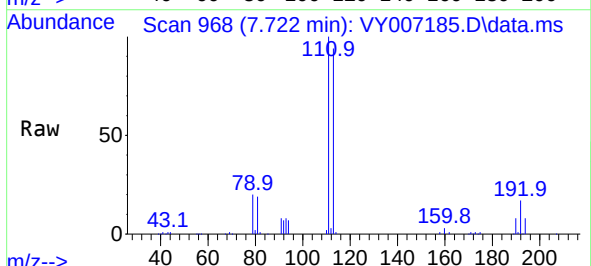
Tgt Ion:113 Resp: 75405

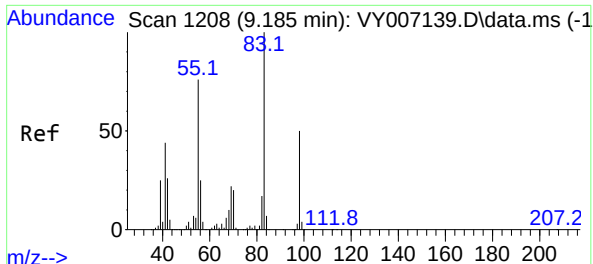
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 17.8 14.2 21.4





#39

Methylcyclohexane

Concen: 9.975 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007185.D

Acq: 17 Jan 2022 14:25

Instrument :

MSVOA_Y

ClientSampleId :

A3-6-8.5

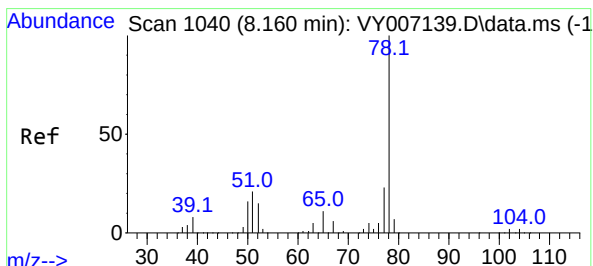
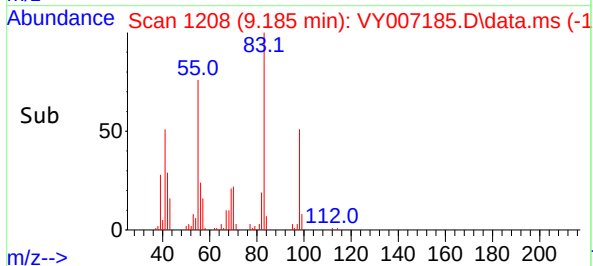
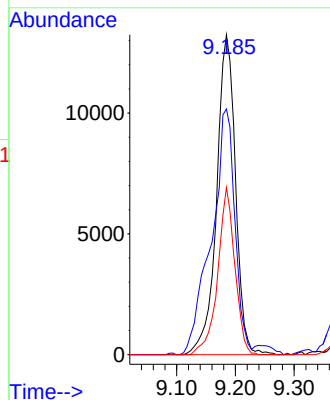
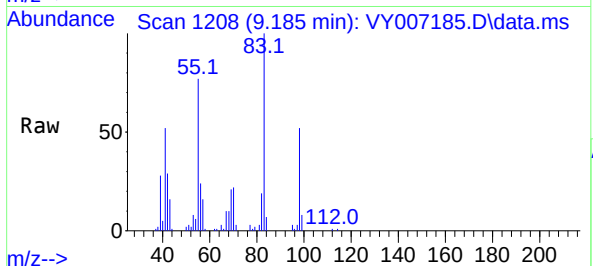
Tgt Ion: 83 Resp: 29648

Ion Ratio Lower Upper

83 100

55 76.8 58.8 88.2

98 52.3 38.7 58.1



#40

Benzene

Concen: 21.511 ug/l

RT: 8.160 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY007185.D

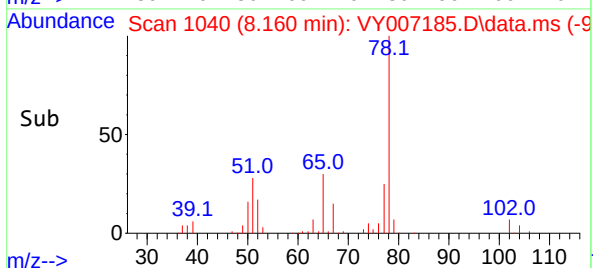
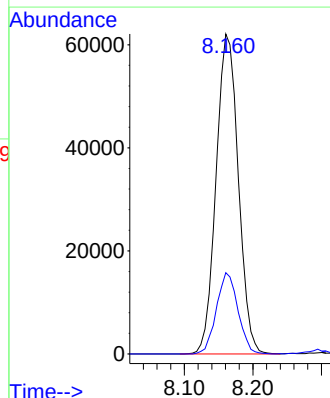
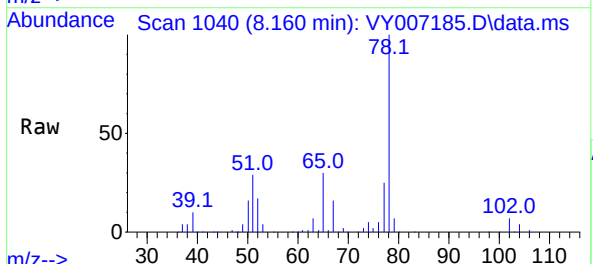
Acq: 17 Jan 2022 14:25

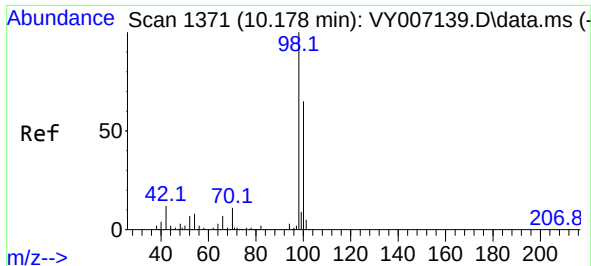
Tgt Ion: 78 Resp: 139687

Ion Ratio Lower Upper

78 100

77 25.4 18.6 27.8

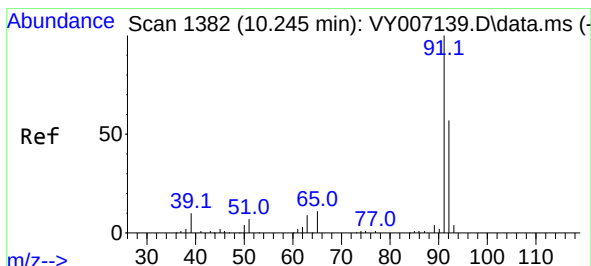
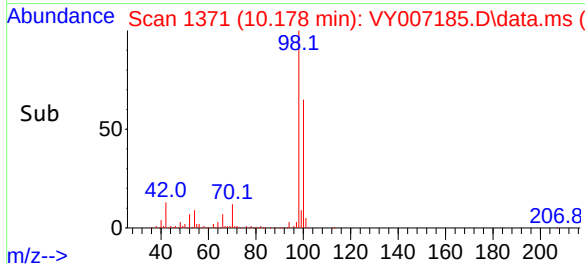
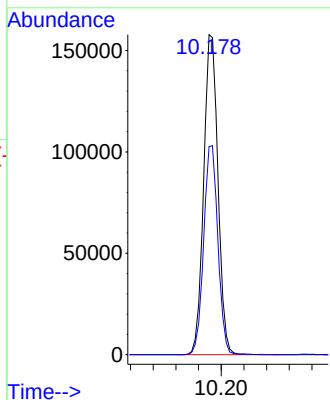
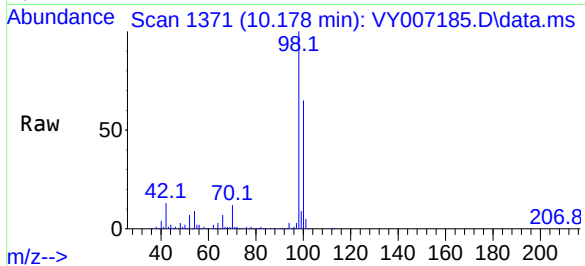




#50
Toluene-d8
Concen: 49.680 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

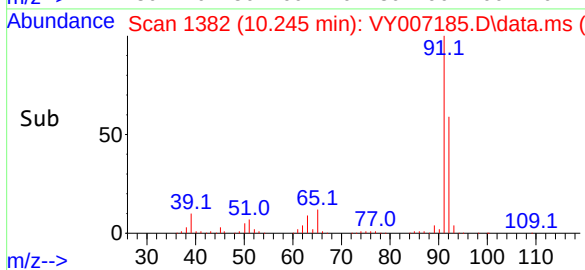
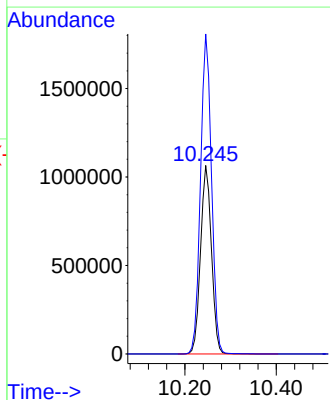
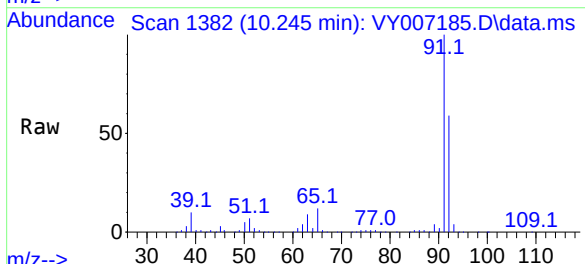
Instrument :
MSVOA_Y
ClientSampleId :
A3-6-8.5

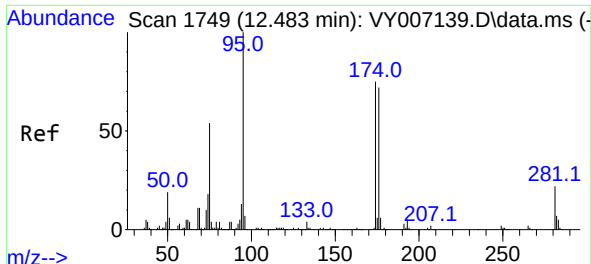
Tgt Ion: 98 Resp: 276690
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#52
Toluene
Concen: 426.693 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

Tgt Ion: 92 Resp: 1756328
Ion Ratio Lower Upper
92 100
91 170.9 138.6 207.8

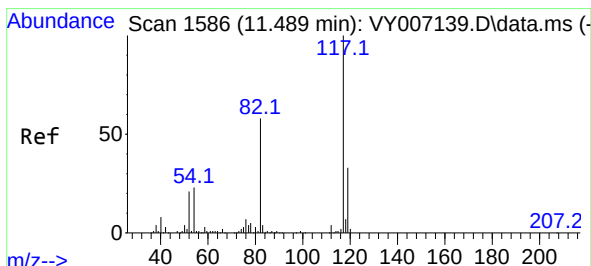
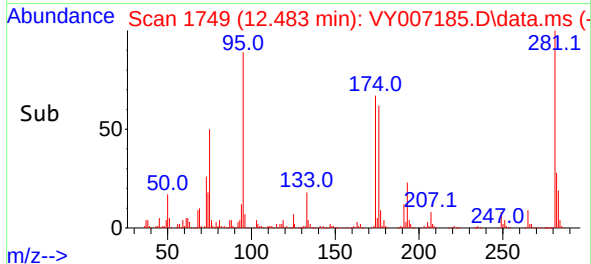
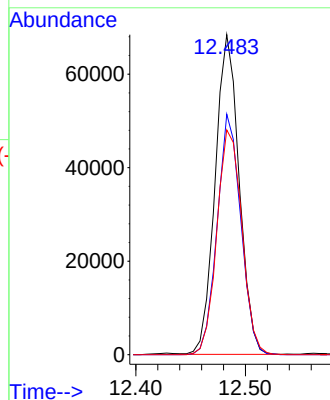
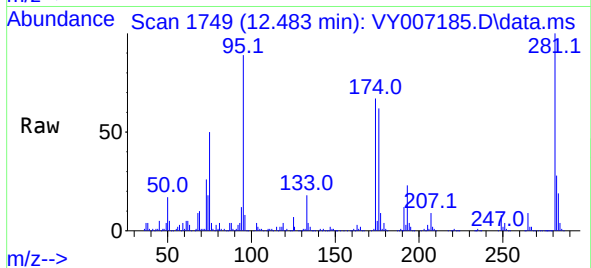




#62
4-Bromofluorobenzene
Concen: 52.543 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

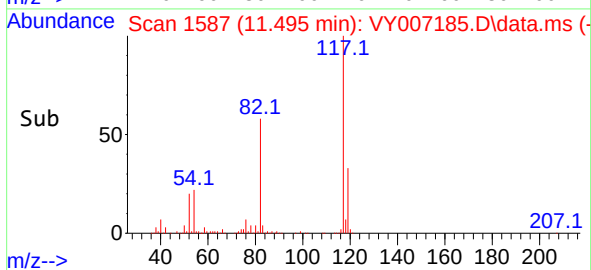
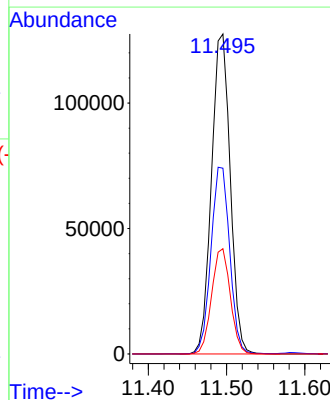
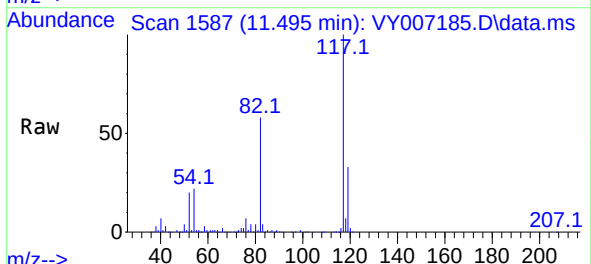
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ClientSampleId :
A3-6-8.5

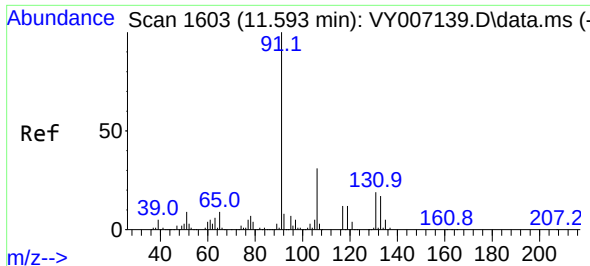
Tgt Ion: 95 Resp: 104096
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.4
176 73.3 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

Tgt Ion: 117 Resp: 212071
Ion Ratio Lower Upper
117 100
82 58.1 45.4 68.0
119 32.9 26.4 39.6





#67

Ethyl Benzene

Concen: 215.537 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007185.D

Acq: 17 Jan 2022 14:25

Instrument :

MSVOA_Y

ClientSampleId :

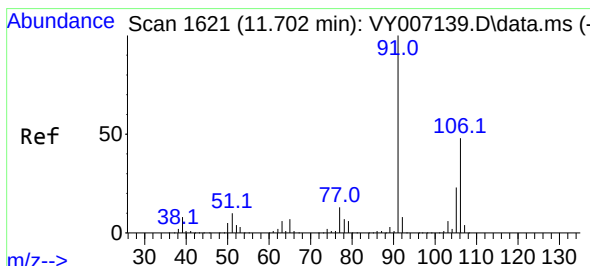
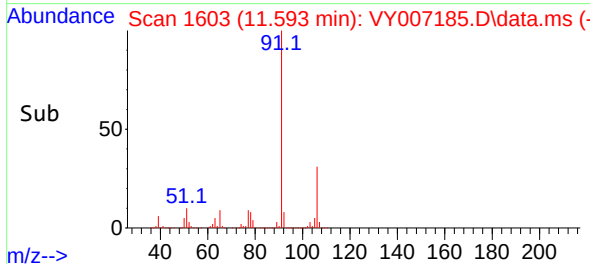
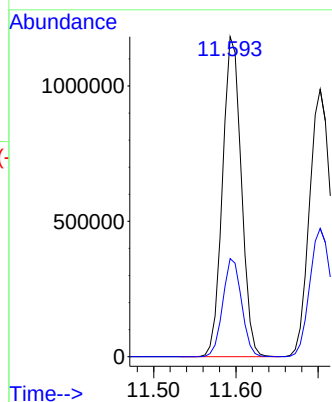
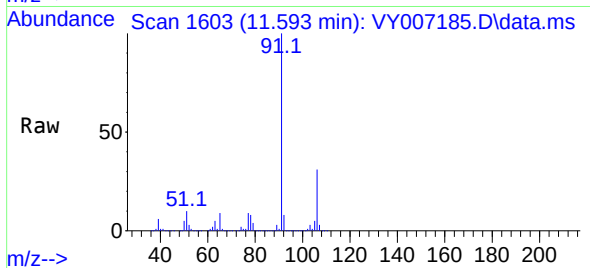
A3-6-8.5

Tgt Ion: 91 Resp: 1878481

Ion Ratio Lower Upper

91 100

106 30.6 23.9 35.9



#68

m/p-Xylenes

Concen: 265.794 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY007185.D

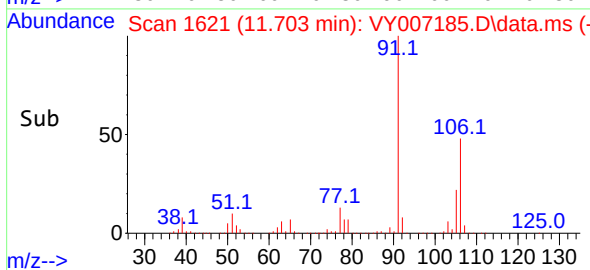
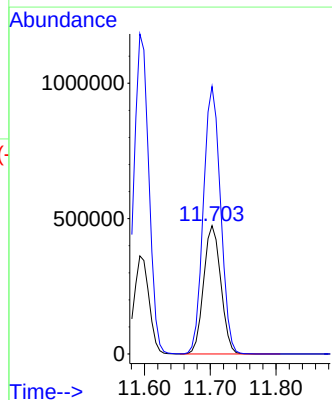
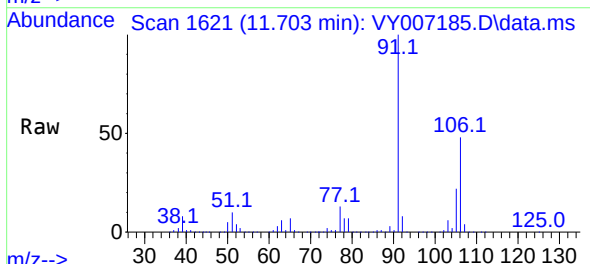
Acq: 17 Jan 2022 14:25

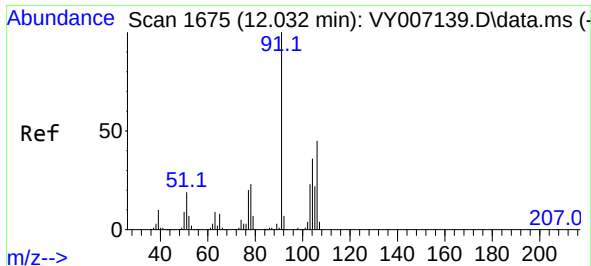
Tgt Ion:106 Resp: 860850

Ion Ratio Lower Upper

106 100

91 208.6 167.1 250.7

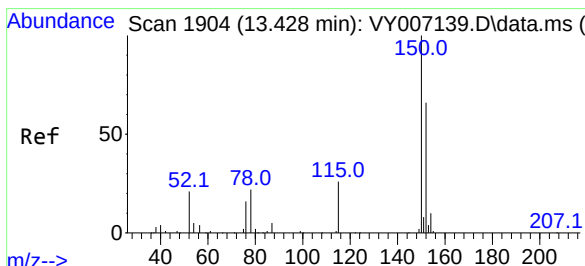
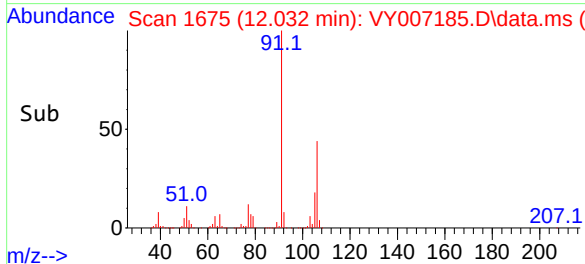
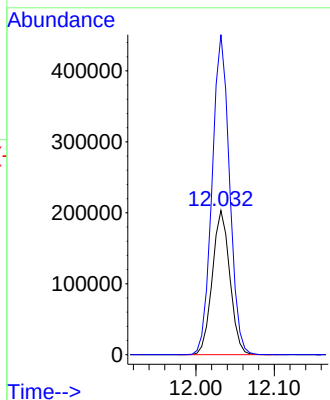
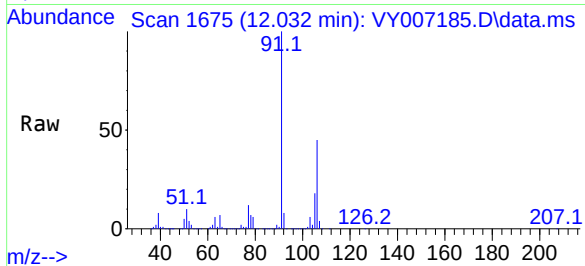




#69
o-Xylene
Concen: 103.576 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

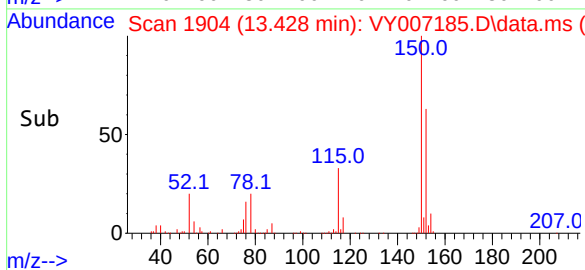
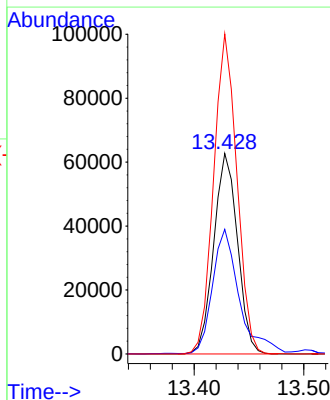
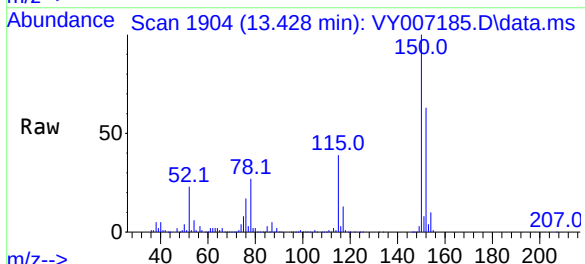
Instrument :
MSVOA_Y
ClientSampleId :
A3-6-8.5

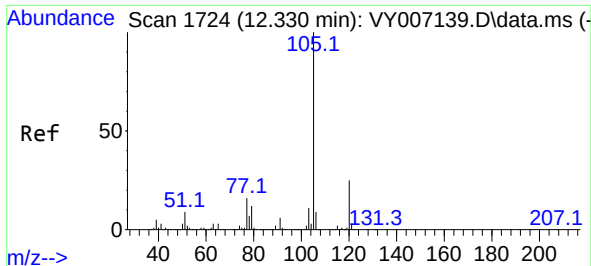
Tgt Ion:106 Resp: 315909
Ion Ratio Lower Upper
106 100
91 220.8 109.9 329.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

Tgt Ion:152 Resp: 94427
Ion Ratio Lower Upper
152 100
115 70.7 31.4 94.0
150 156.6 0.0 348.4

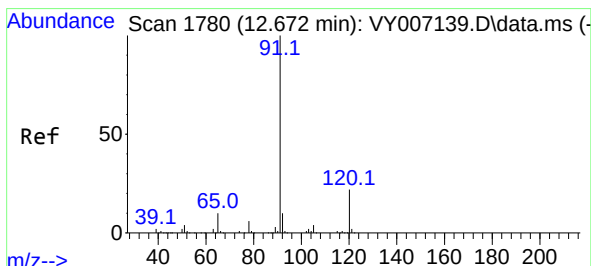
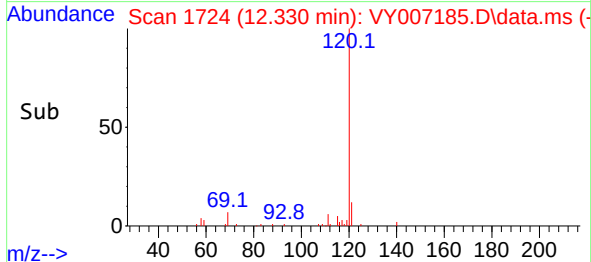
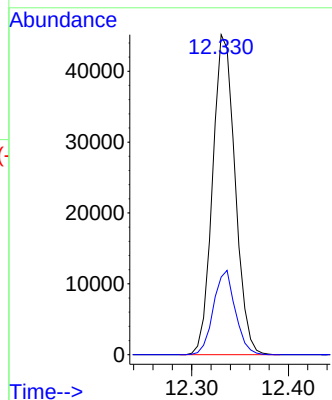
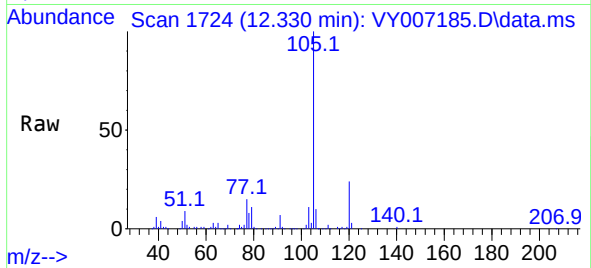




#73
Isopropylbenzene
Concen: 8.945 ug/l
RT: 12.330 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

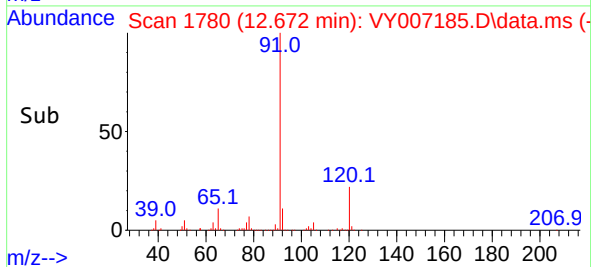
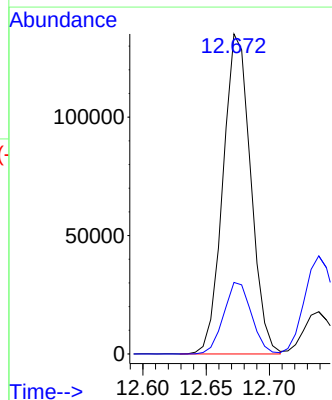
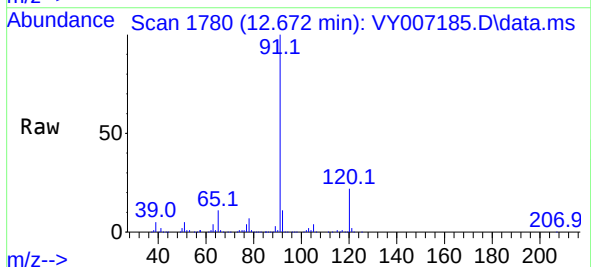
Instrument :
MSVOA_Y
ClientSampleId :
A3-6-8.5

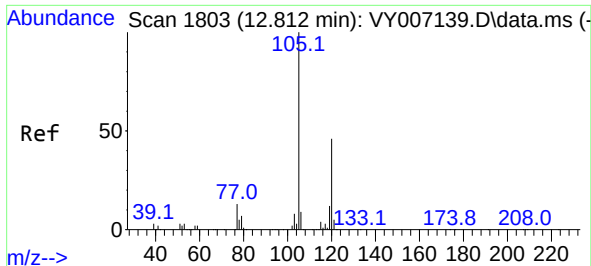
Tgt Ion:105 Resp: 72954
Ion Ratio Lower Upper
105 100
120 25.5 13.1 39.1



#78
n-propylbenzene
Concen: 20.360 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007185.D
Acq: 17 Jan 2022 14:25

Tgt Ion: 91 Resp: 205842
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.5

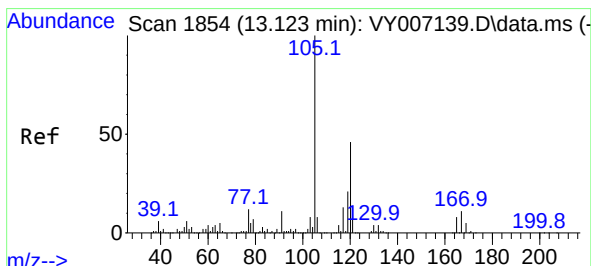
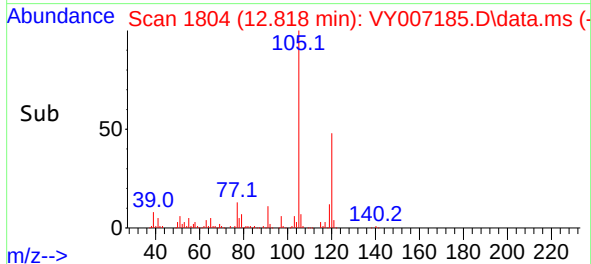
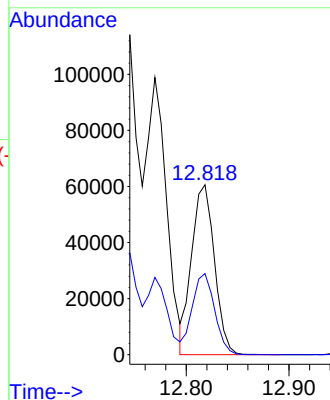
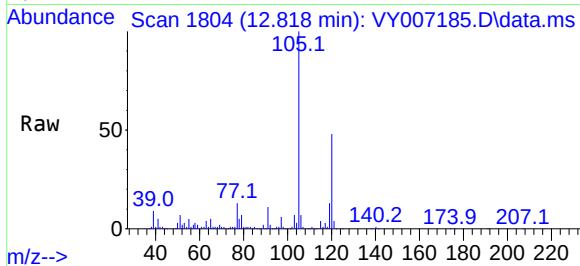




#80
 1,3,5-Trimethylbenzene
 Concen: 13.992 ug/l
 RT: 12.818 min Scan# 1803
 Delta R.T. 0.006 min
 Lab File: VY007185.D
 Acq: 17 Jan 2022 14:25

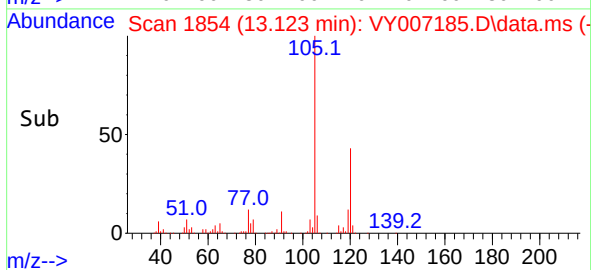
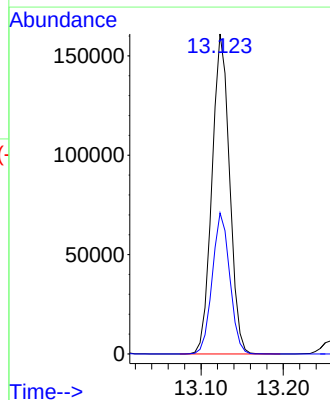
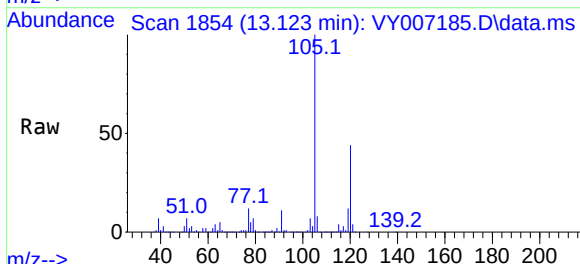
Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-6-8.5

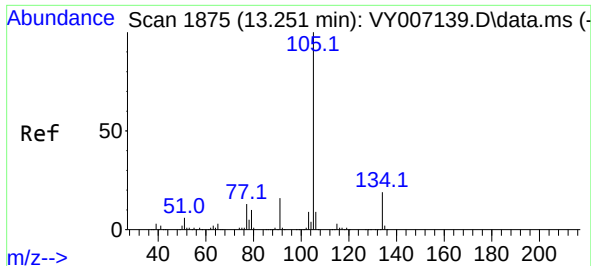
Tgt Ion:105 Resp: 93700
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 35.975 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY007185.D
 Acq: 17 Jan 2022 14:25

Tgt Ion:105 Resp: 238791
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.6 64.6

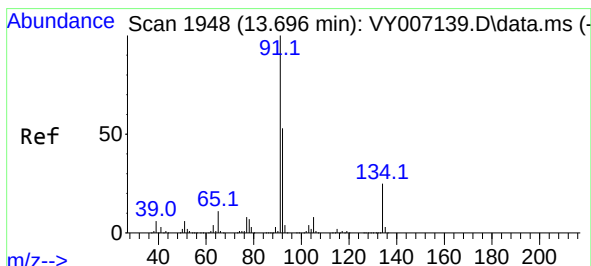
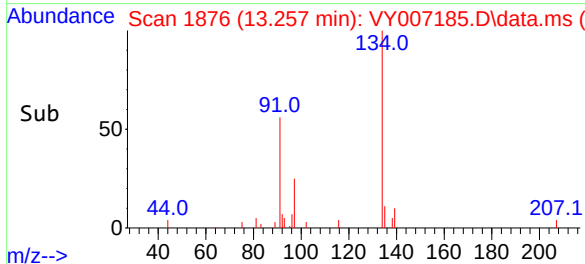
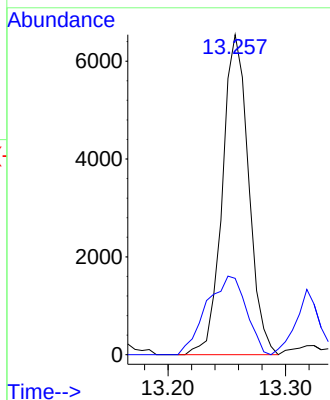
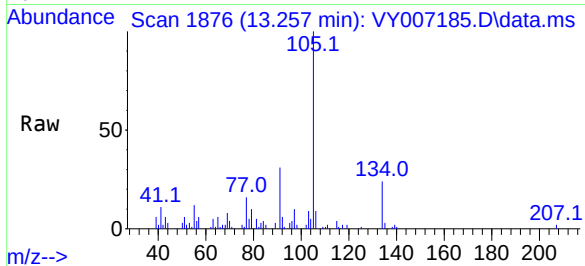




#85
 sec-Butylbenzene
 Concen: 1.172 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY007185.D
 Acq: 17 Jan 2022 14:25

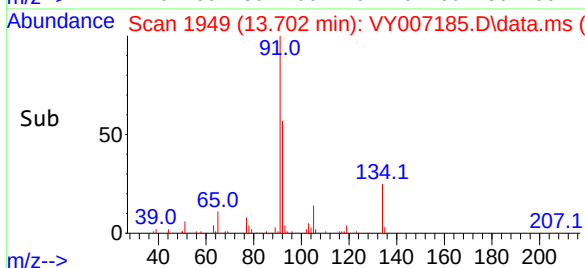
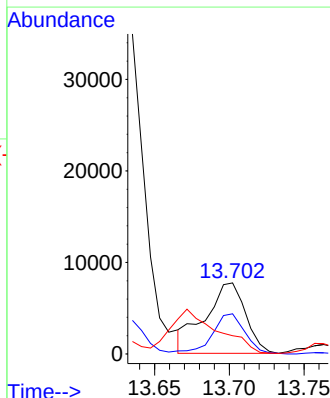
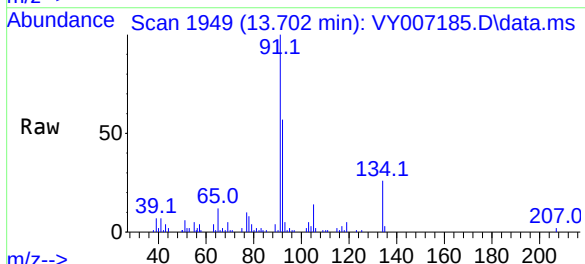
Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-6-8.5

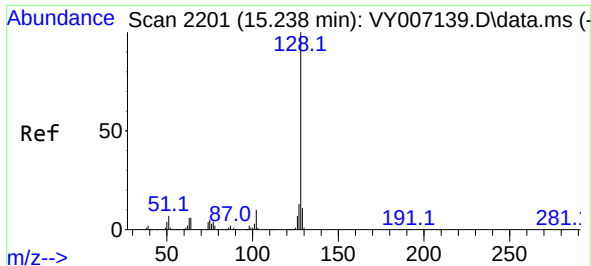
Tgt Ion:105 Resp: 10145
 Ion Ratio Lower Upper
 105 100
 134 37.2 9.9 29.7#



#89
 n-Butylbenzene
 Concen: 2.081 ug/l
 RT: 13.702 min Scan# 1949
 Delta R.T. 0.006 min
 Lab File: VY007185.D
 Acq: 17 Jan 2022 14:25

Tgt Ion: 91 Resp: 14575
 Ion Ratio Lower Upper
 91 100
 92 46.0 26.9 80.6
 134 0.0 12.6 37.6#





#95

Naphthalene

Concen: 60.180 ug/l

RT: 15.238 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007185.D

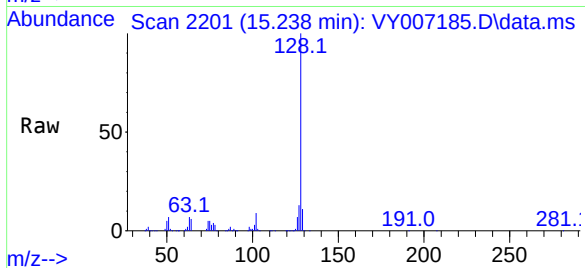
Acq: 17 Jan 2022 14:25

Instrument :

MSVOA_Y

ClientSampleId :

A3-6-8.5



Tgt Ion:128 Resp: 240226

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.9 13.3

