

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013651.D
 Acq On : 08 May 2023 15:59
 Operator : KP/MD
 Sample : 02658-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 503

Quant Time: May 09 04:58:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	201602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	344868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90019	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	133076	60.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.440%
35) Dibromofluoromethane	7.716	113	114396	52.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.480%
50) Toluene-d8	10.179	98	390334	50.586	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.180%
62) 4-Bromofluorobenzene	12.477	95	104979	40.356	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.720%

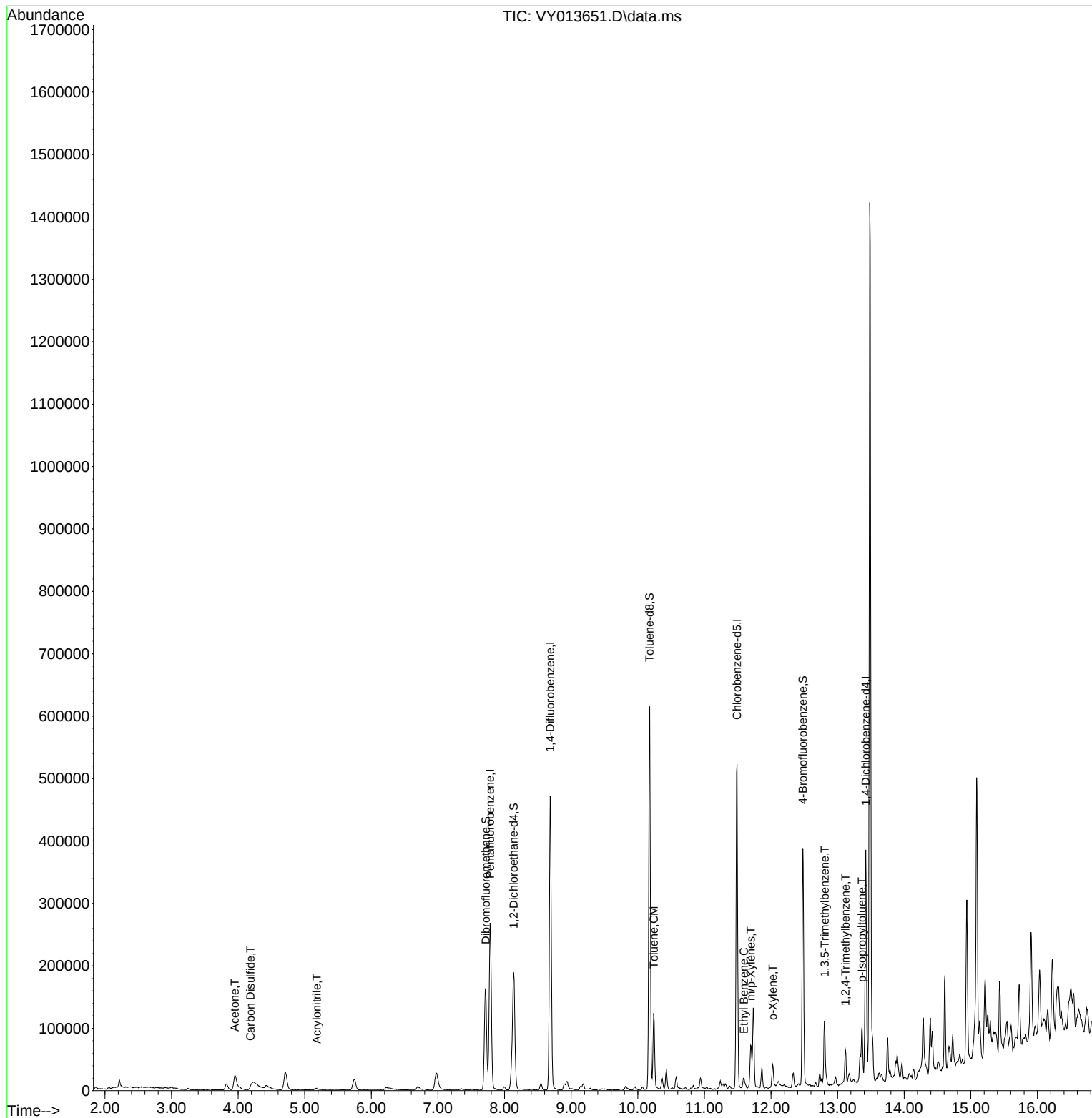
Target Compounds					Qvalue	
15) Acrylonitrile	5.180	53	2352	3.183	ug/l #	84
16) Acetone	3.948	43	55010	63.207	ug/l	94
17) Carbon Disulfide	4.186	76	7230	1.062	ug/l #	93
52) Toluene	10.240	92	47524	7.788	ug/l	98
67) Ethyl Benzene	11.593	91	11044	1.050	ug/l	94
68) m/p-Xylenes	11.697	106	18572	4.644	ug/l	98
69) o-Xylene	12.026	106	8511	2.250	ug/l	89
80) 1,3,5-Trimethylbenzene	12.806	105	7026	1.264	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	27711	5.129	ug/l	96
86) p-Isopropyltoluene	13.367	119	44521	7.662	ug/l	91

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration

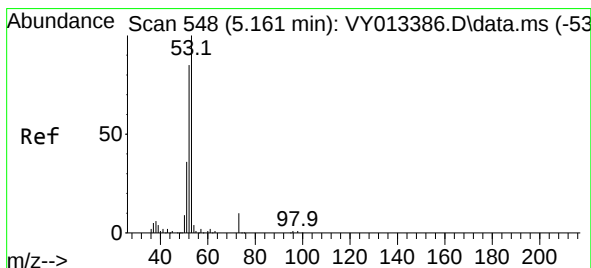
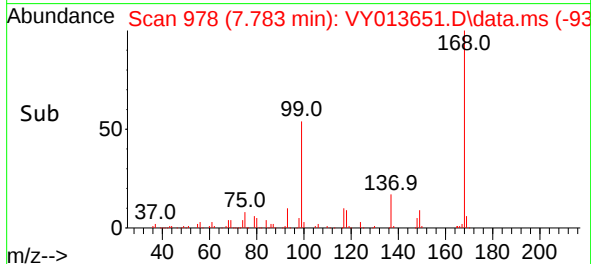
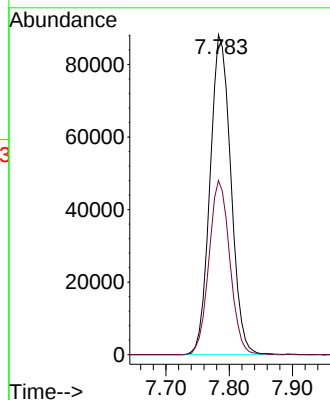
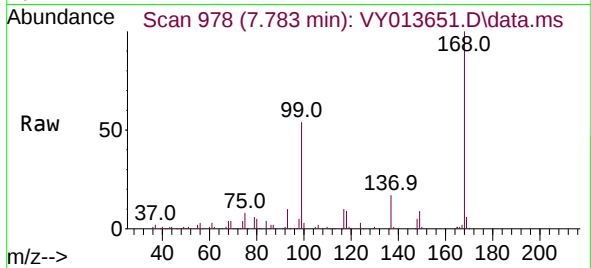




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

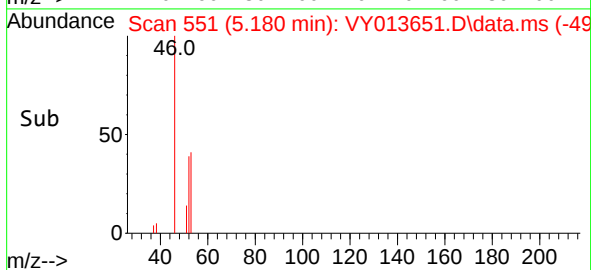
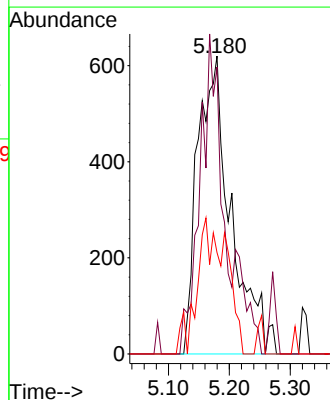
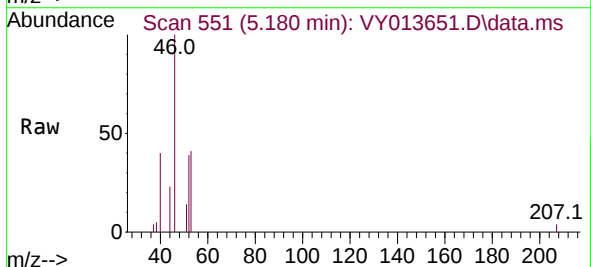
Instrument :
MSVOA_Y
ClientSampleId :
503

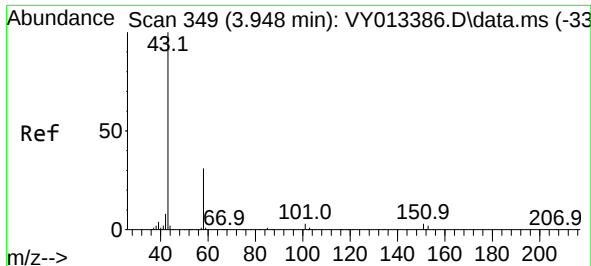
Tgt Ion:168 Resp: 201602
Ion Ratio Lower Upper
168 100
99 54.4 41.8 62.6



#15
Acrylonitrile
Concen: 3.183 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.019 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

Tgt Ion: 53 Resp: 2352
Ion Ratio Lower Upper
53 100
52 68.4 65.4 98.0
51 26.4 29.3 43.9#





#16

Acetone

Concen: 63.207 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY013651.D

Acq: 08 May 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

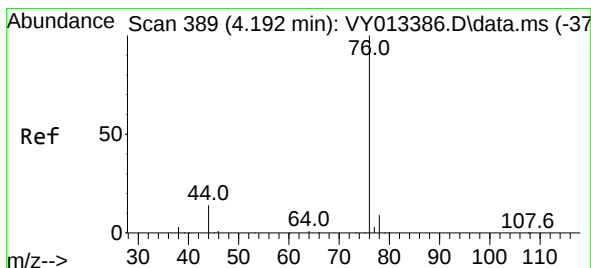
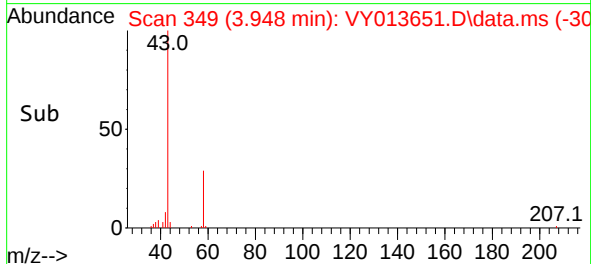
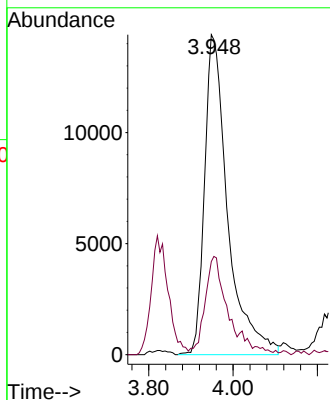
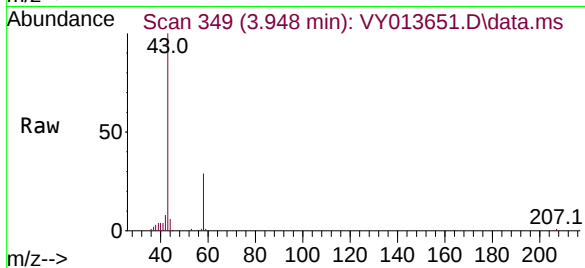
503

Tgt Ion: 43 Resp: 55010

Ion Ratio Lower Upper

43 100

58 28.5 25.4 38.0



#17

Carbon Disulfide

Concen: 1.062 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.006 min

Lab File: VY013651.D

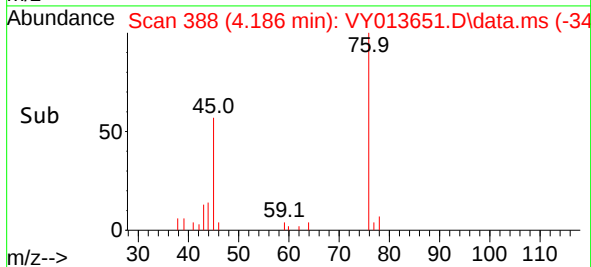
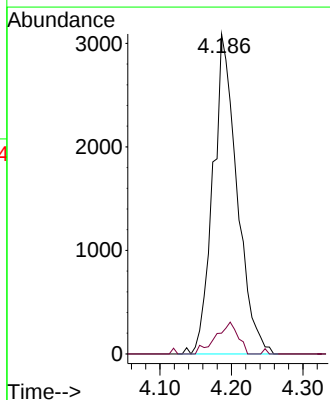
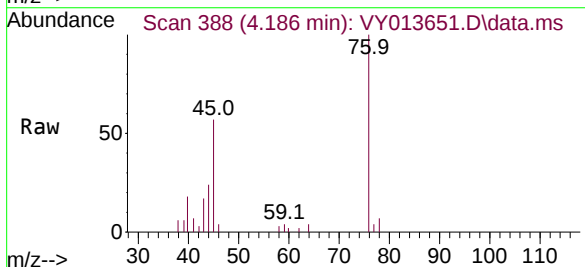
Acq: 08 May 2023 15:59

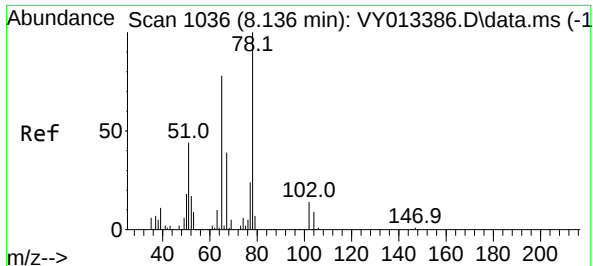
Tgt Ion: 76 Resp: 7230

Ion Ratio Lower Upper

76 100

78 6.5 7.2 10.8#





#33

1,2-Dichloroethane-d4

Concen: 60.215 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY013651.D

Acq: 08 May 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

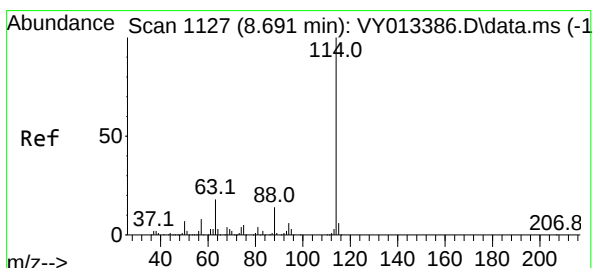
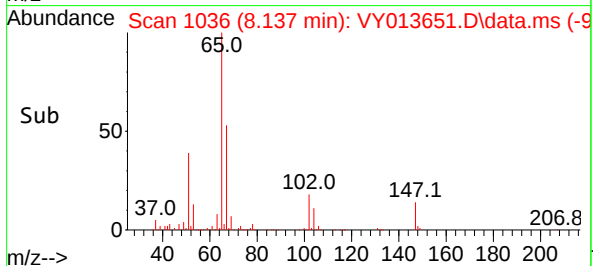
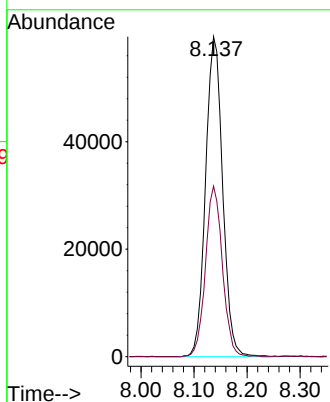
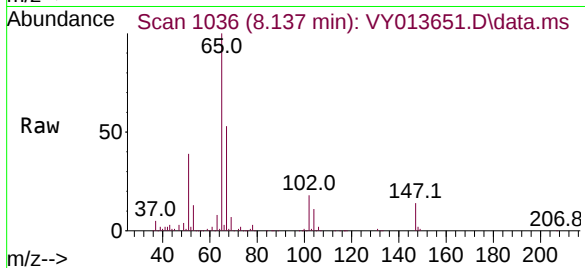
503

Tgt Ion: 65 Resp: 133076

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013651.D

Acq: 08 May 2023 15:59

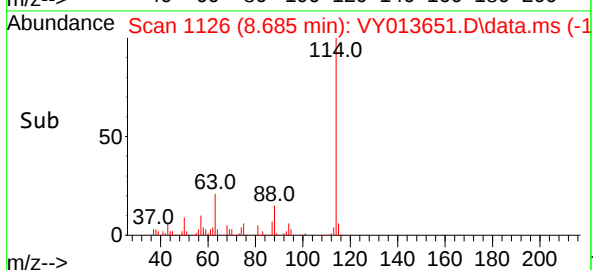
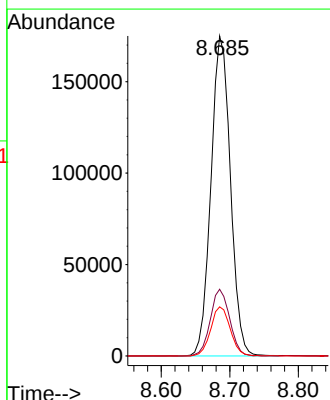
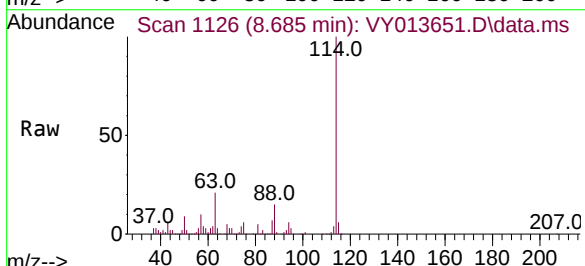
Tgt Ion: 114 Resp: 344868

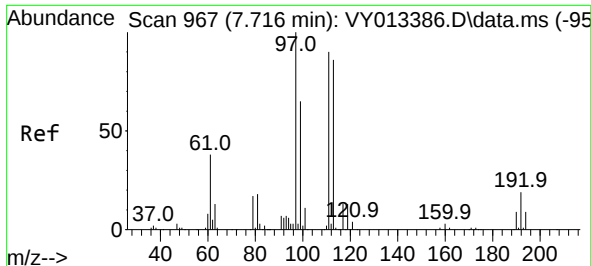
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.6

88 15.4 0.0 28.8

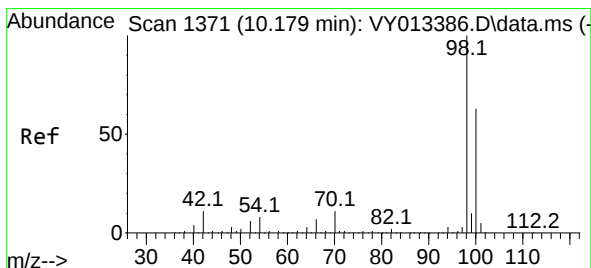
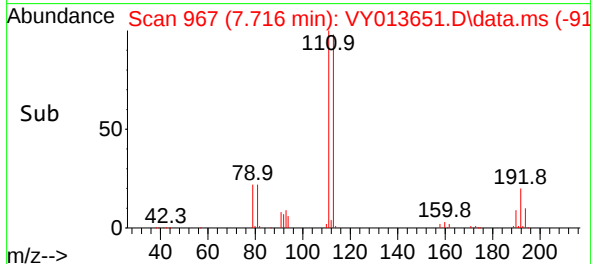
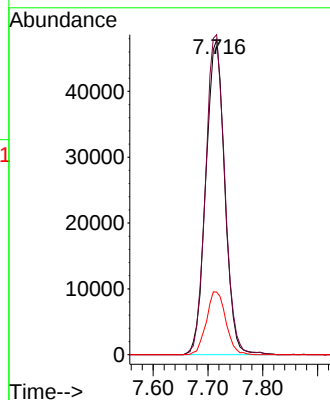
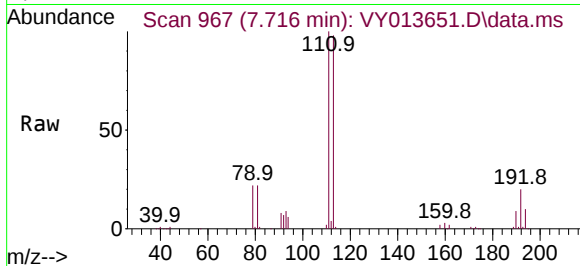




#35
Dibromofluoromethane
Concen: 52.740 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

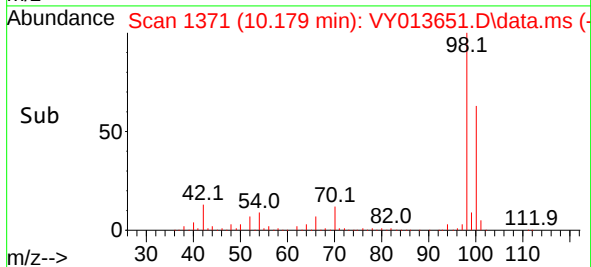
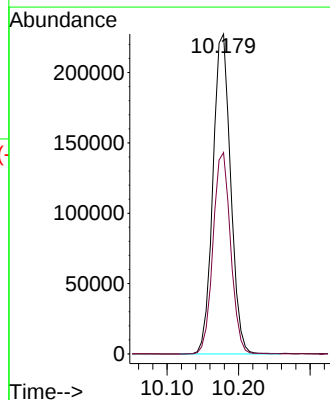
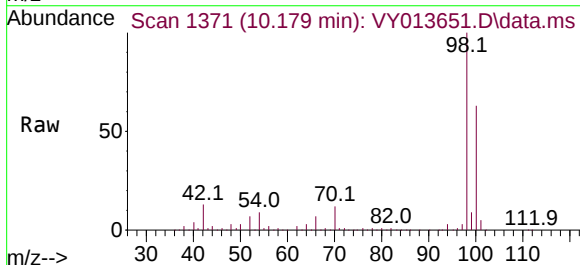
Instrument :
MSVOA_Y
ClientSampleId :
503

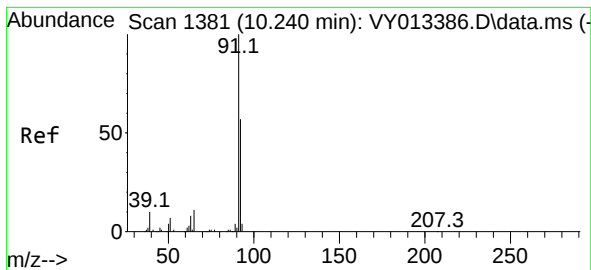
Tgt Ion:113 Resp: 114396
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.5 16.7 25.1



#50
Toluene-d8
Concen: 50.586 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

Tgt Ion: 98 Resp: 390334
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7





#52

Toluene

Concen: 7.788 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY013651.D

Acq: 08 May 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

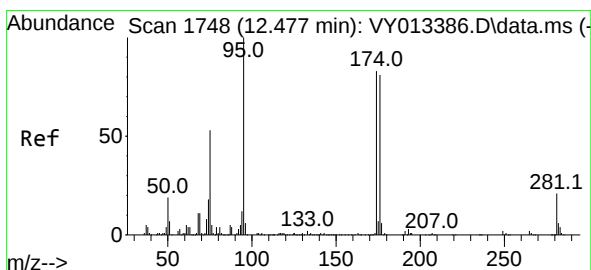
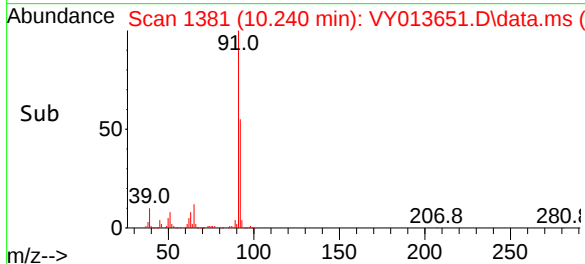
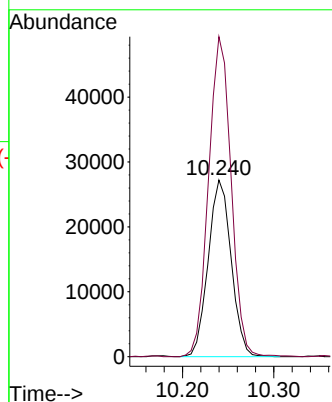
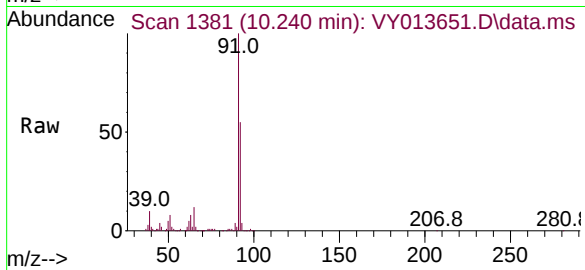
503

Tgt Ion: 92 Resp: 47524

Ion Ratio Lower Upper

92 100

91 178.1 140.2 210.4



#62

4-Bromofluorobenzene

Concen: 40.356 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013651.D

Acq: 08 May 2023 15:59

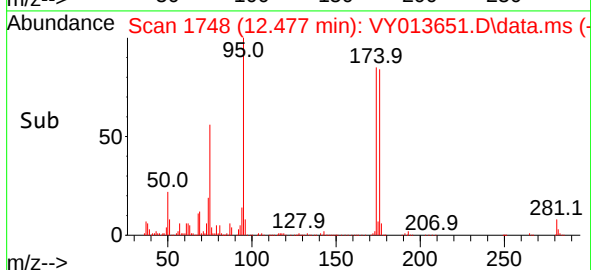
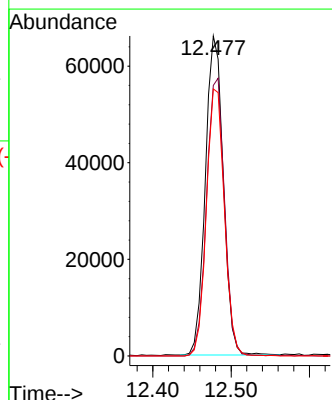
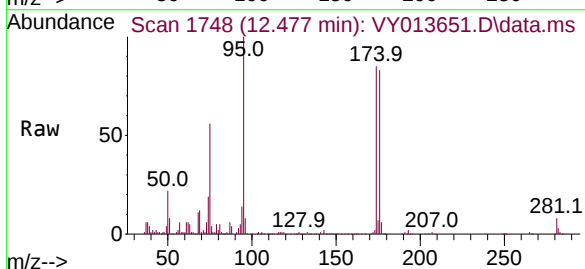
Tgt Ion: 95 Resp: 104979

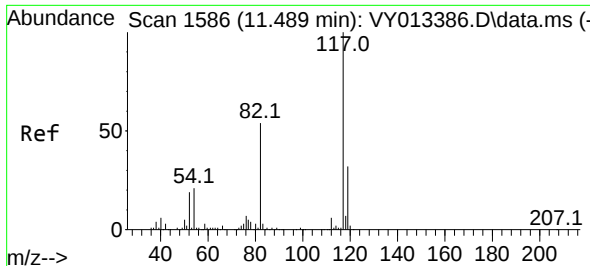
Ion Ratio Lower Upper

95 100

174 87.5 0.0 182.0

176 83.8 0.0 175.4

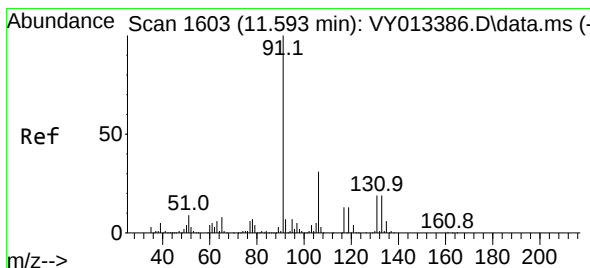
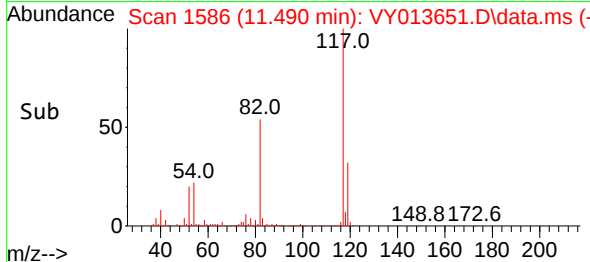
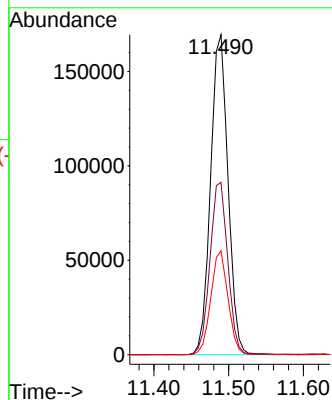
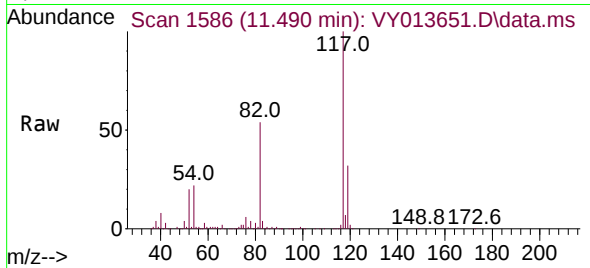




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

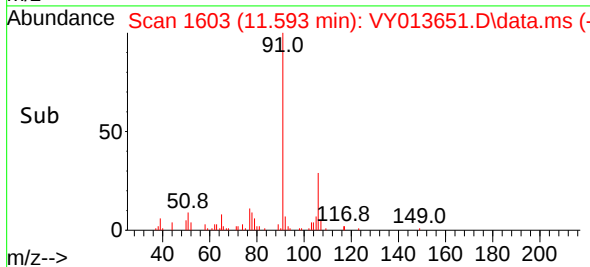
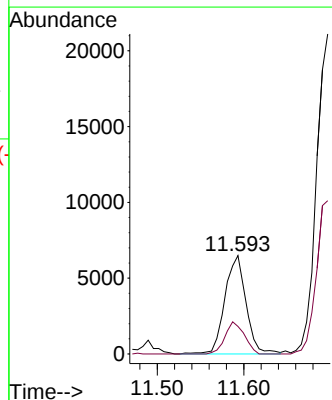
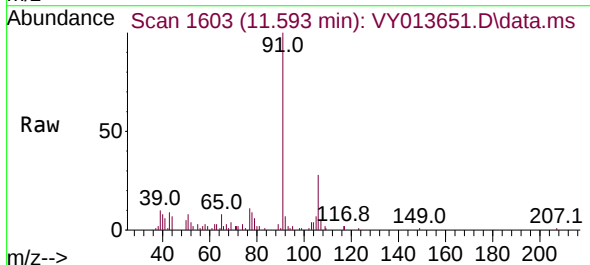
Instrument :
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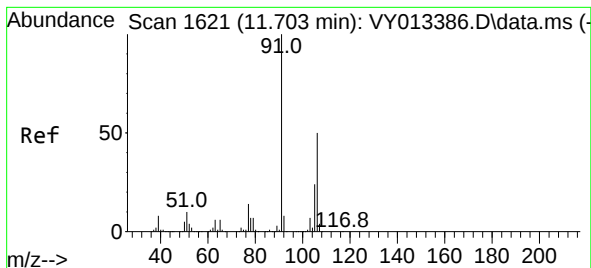
Tgt Ion:117 Resp: 275001
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.6
119 32.4 25.5 38.3



#67
Ethyl Benzene
Concen: 1.050 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

Tgt Ion: 91 Resp: 11044
Ion Ratio Lower Upper
91 100
106 28.0 25.1 37.7

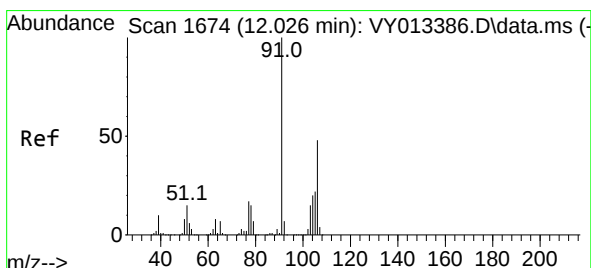
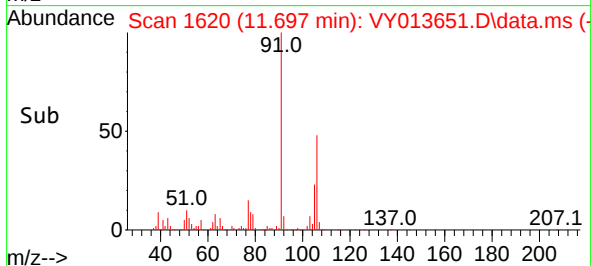
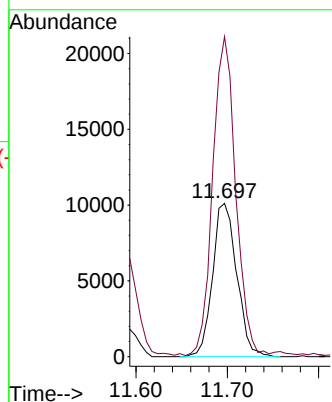
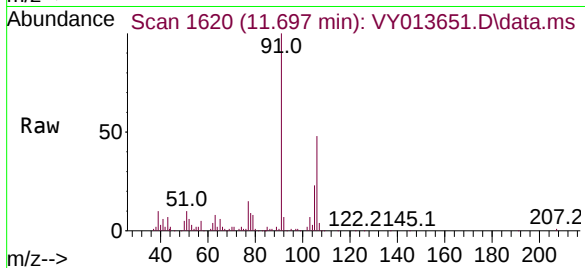




#68
m/p-Xylenes
Concen: 4.644 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

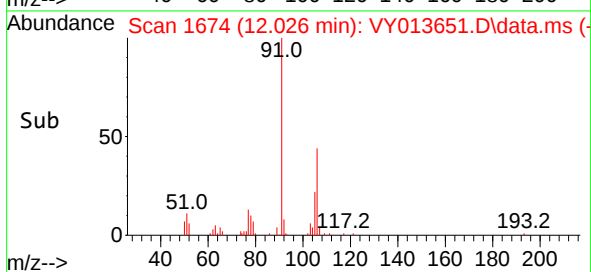
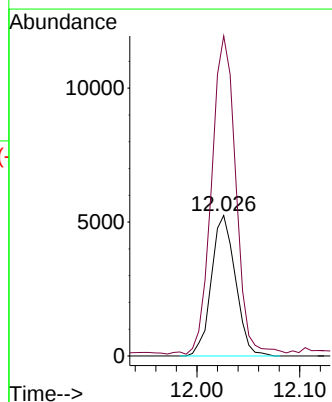
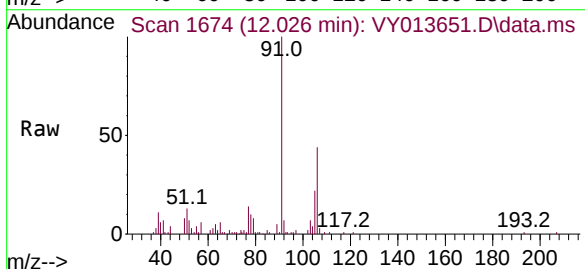
Instrument :
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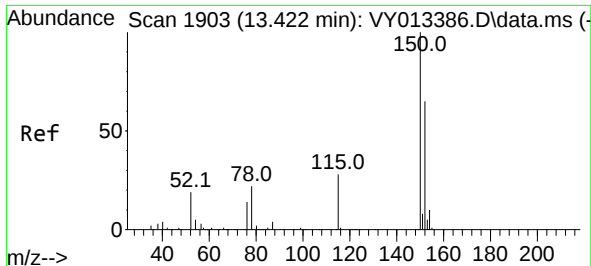
Tgt Ion:106 Resp: 18572
Ion Ratio Lower Upper
106 100
91 197.8 160.9 241.3



#69
o-Xylene
Concen: 2.250 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY013651.D
Acq: 08 May 2023 15:59

Tgt Ion:106 Resp: 8511
Ion Ratio Lower Upper
106 100
91 228.3 105.5 316.4

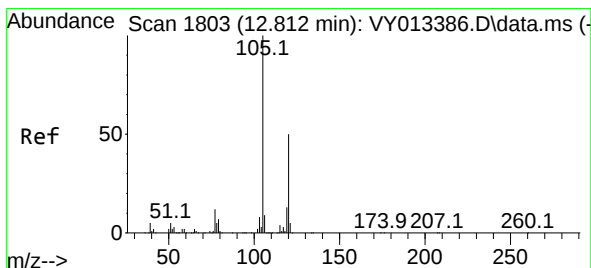
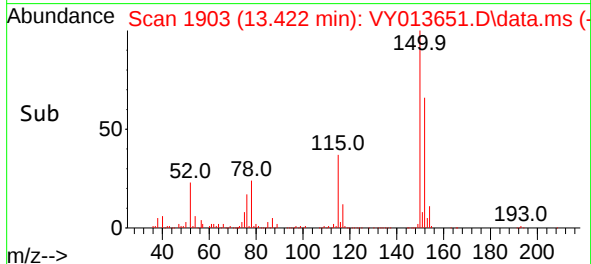
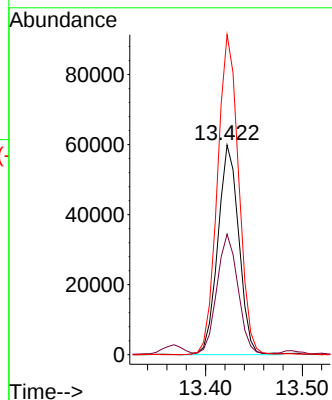
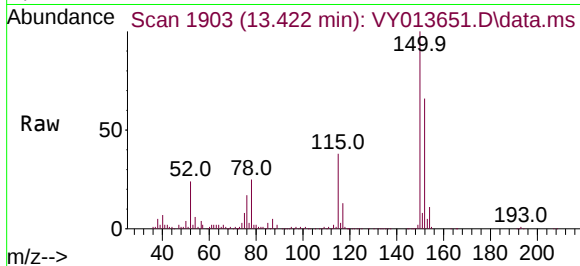




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013651.D
 Acq: 08 May 2023 15:59

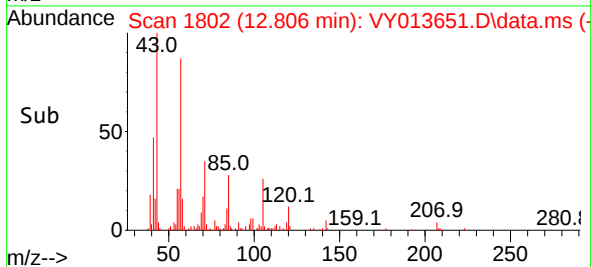
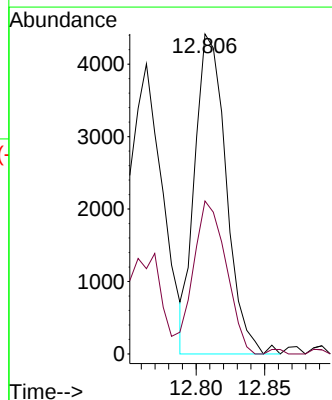
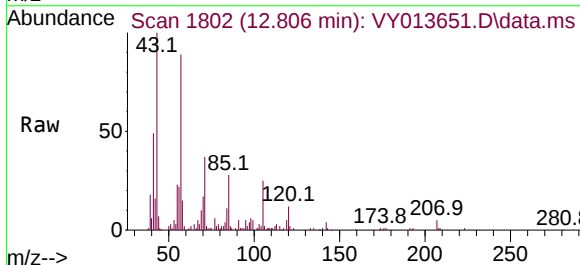
Instrument :
 MSVOA_Y
 ClientSampleId :
 503

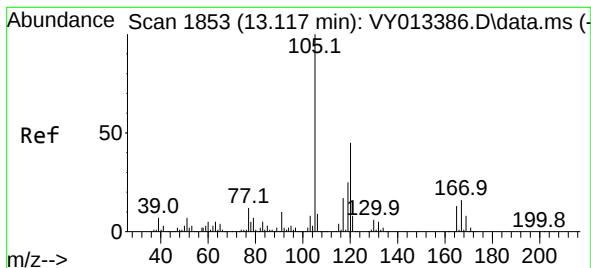
Tgt Ion:152 Resp: 90019
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.1 84.2
 150 154.4 0.0 352.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.264 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: VY013651.D
 Acq: 08 May 2023 15:59

Tgt Ion:105 Resp: 7026
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 5.129 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013651.D

Acq: 08 May 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

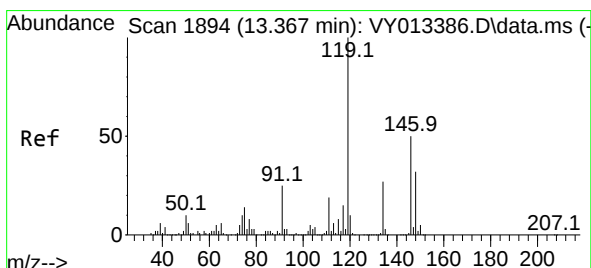
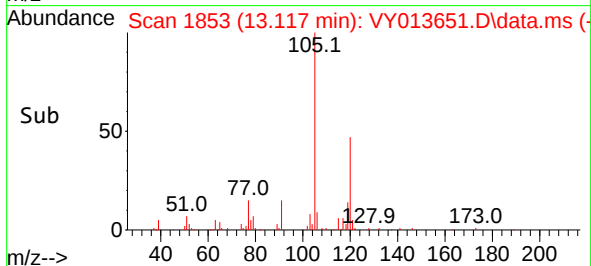
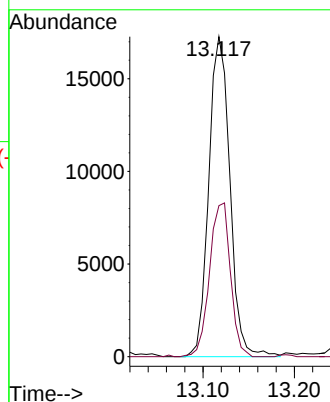
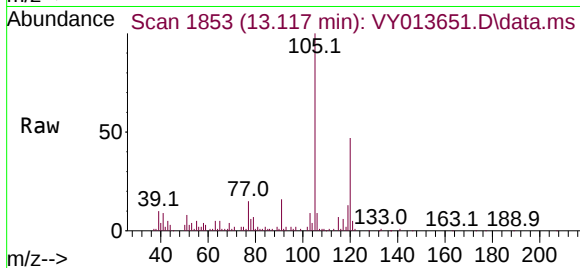
503

Tgt Ion:105 Resp: 27711

Ion Ratio Lower Upper

105 100

120 47.5 22.3 66.9



#86

p-Isopropyltoluene

Concen: 7.662 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013651.D

Acq: 08 May 2023 15:59

Tgt Ion:119 Resp: 44521

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 32.9 12.1 36.3

