

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014020.D
 Acq On : 05 Jun 2023 20:14
 Operator : KP/MD
 Sample : 02986-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13-0A

Quant Time: Jun 06 04:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

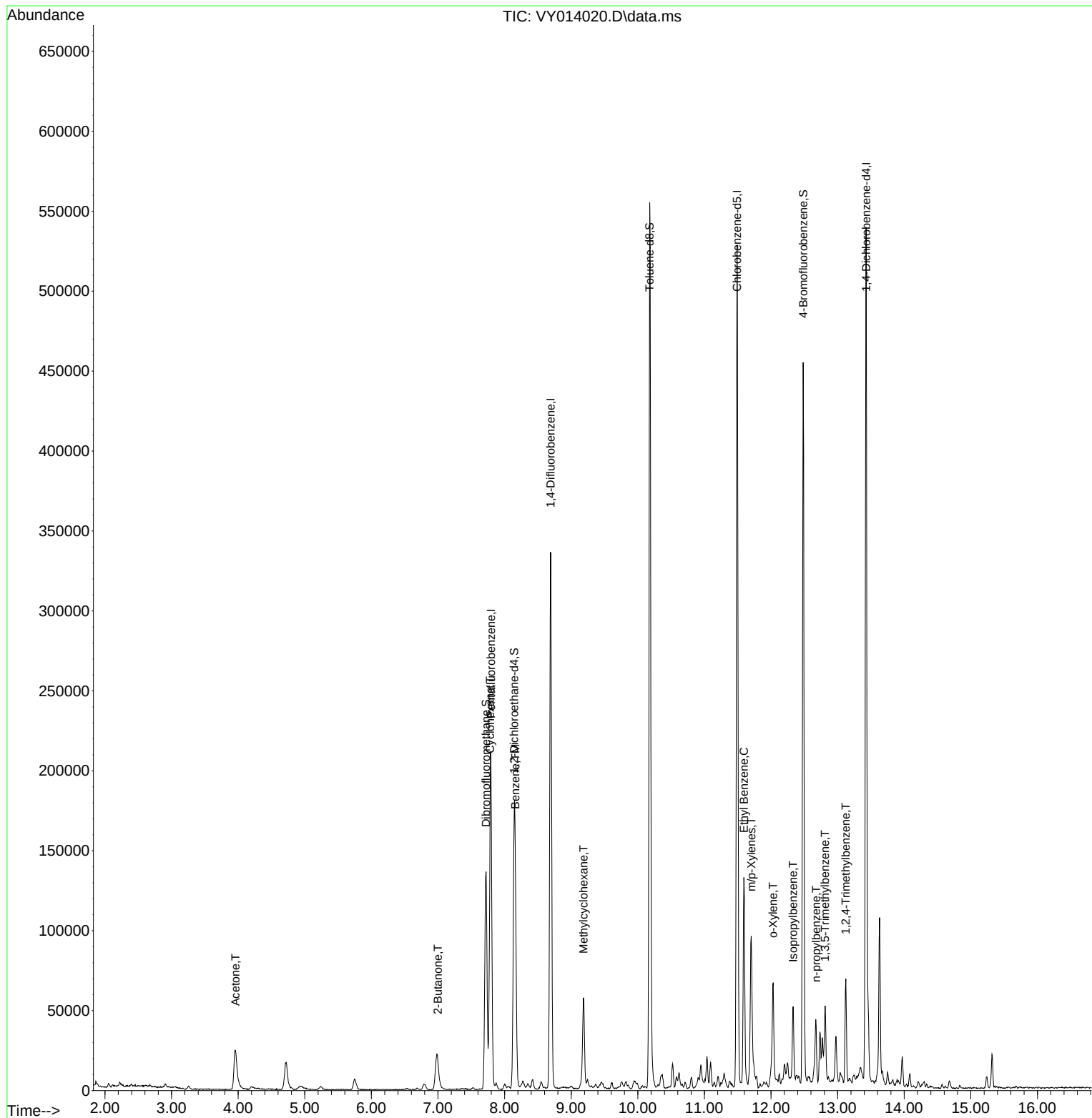
Internal Standards						
1) Pentafluorobenzene	7.795	168	154798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	283837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	111286	54.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.722	113	94269	54.120	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.240%			
50) Toluene-d8	10.178	98	343122	51.643	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.483	95	122142	53.923	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.840%			
Target Compounds					Qvalue	
16) Acetone	3.960	43	55820	79.619	ug/l	94
25) 2-Butanone	6.996	43	14796	16.941	ug/l	97
31) Cyclohexane	7.783	56	8723	3.535	ug/l #	74
39) Methylcyclohexane	9.185	83	20113	7.592	ug/l	95
40) Benzene	8.161	78	81775	10.682	ug/l	99
67) Ethyl Benzene	11.593	91	84134	8.347	ug/l	94
68) m/p-Xylenes	11.703	106	27297	7.090	ug/l	99
69) o-Xylene	12.032	106	16485	4.468	ug/l	100
73) Isopropylbenzene	12.331	105	27298	3.139	ug/l	98
78) n-propylbenzene	12.678	91	29701	2.787	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	16744	2.247	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	32676	4.390	ug/l	96

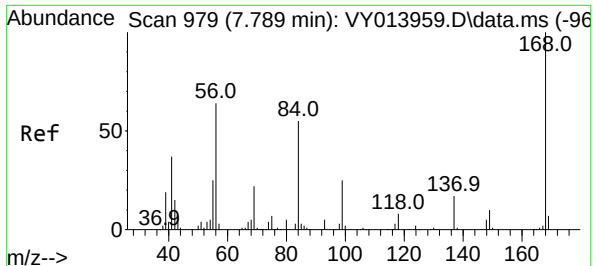
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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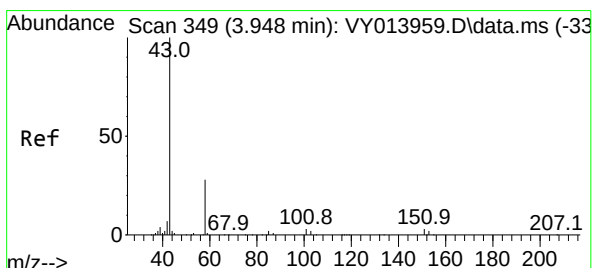
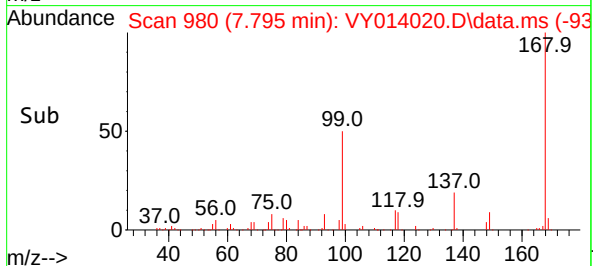
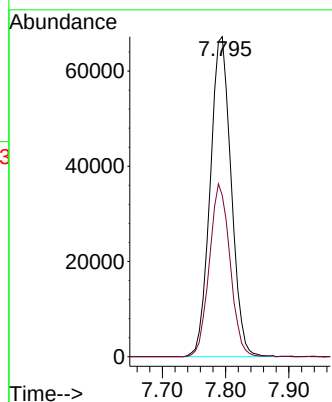
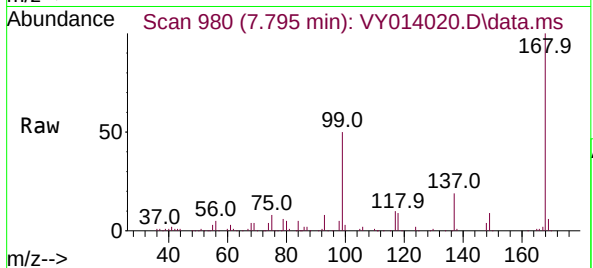




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

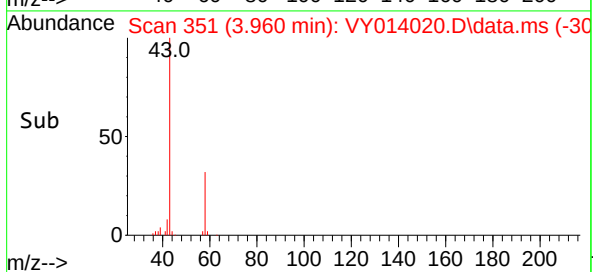
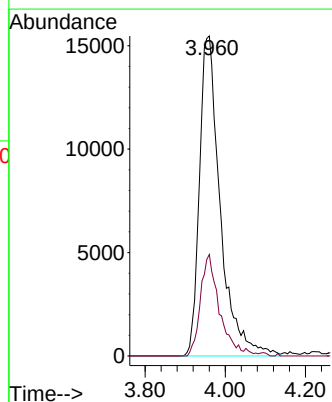
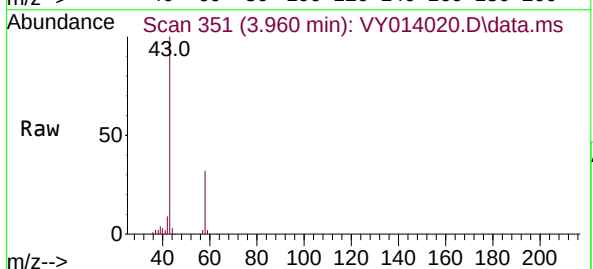
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-0A

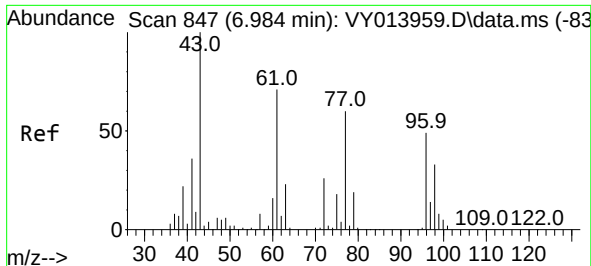
Tgt Ion:168 Resp: 154798
Ion Ratio Lower Upper
168 100
99 50.3 43.4 65.0



#16
Acetone
Concen: 79.619 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion: 43 Resp: 55820
Ion Ratio Lower Upper
43 100
58 31.7 22.7 34.1

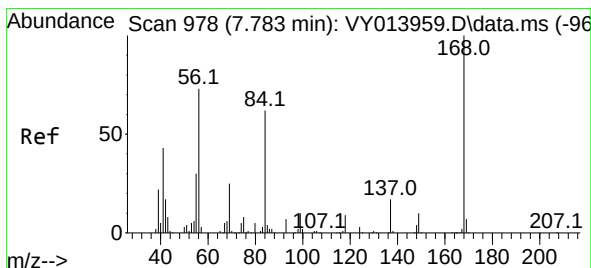
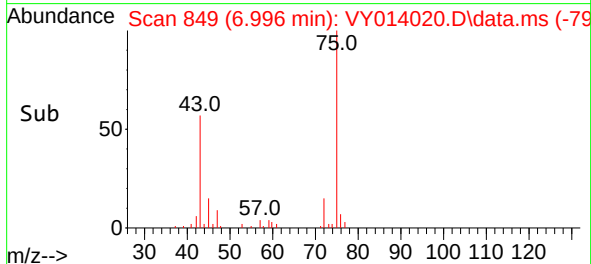
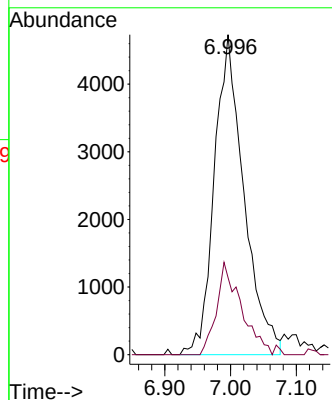
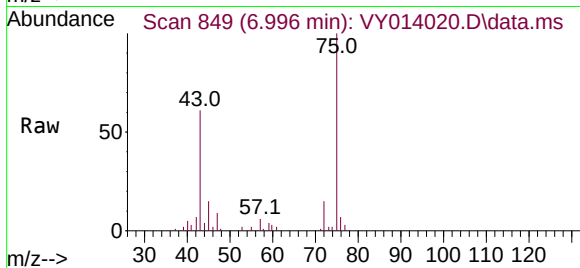




#25
2-Butanone
Concen: 16.941 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

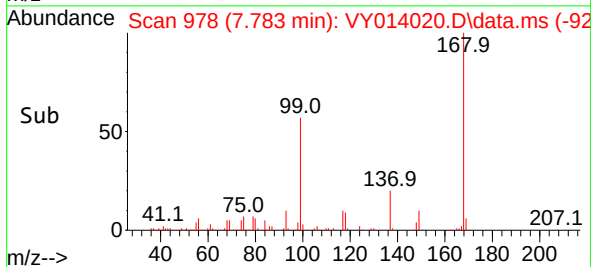
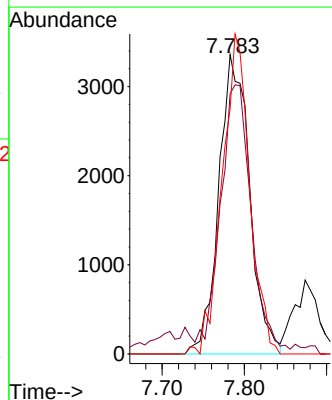
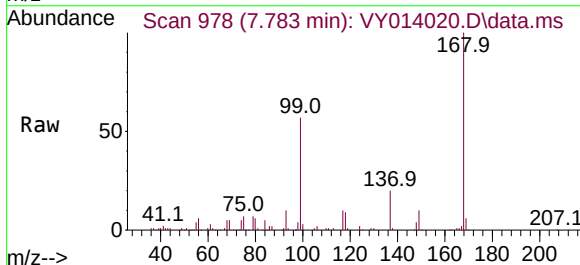
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-0A

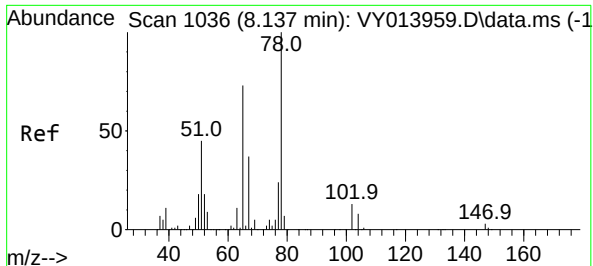
Tgt Ion: 43 Resp: 14796
Ion Ratio Lower Upper
43 100
72 24.1 20.5 30.7



#31
Cyclohexane
Concen: 3.535 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion: 56 Resp: 8723
Ion Ratio Lower Upper
56 100
69 84.4 27.8 41.6#
84 81.9 66.4 99.6

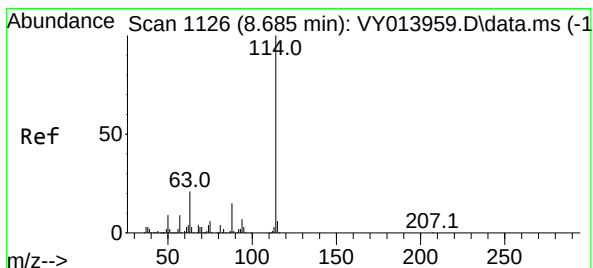
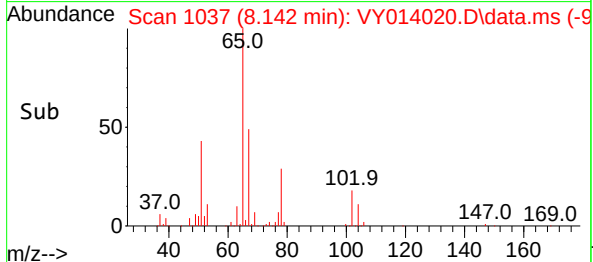
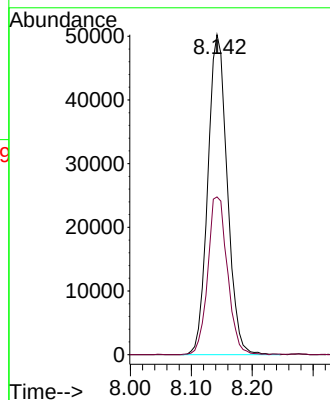
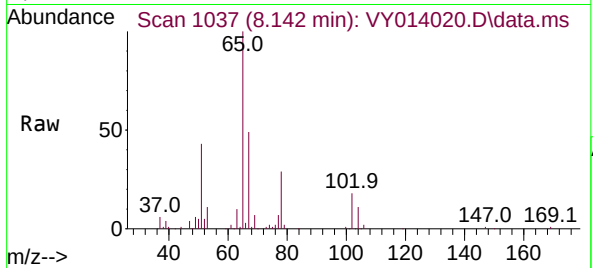




#33
1,2-Dichloroethane-d4
Concen: 54.308 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

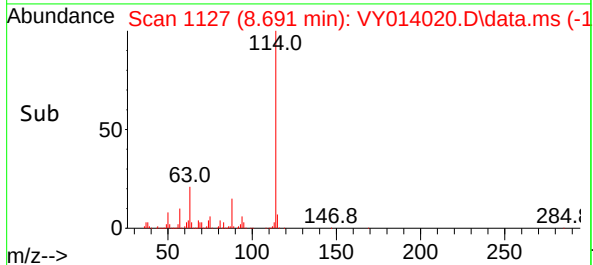
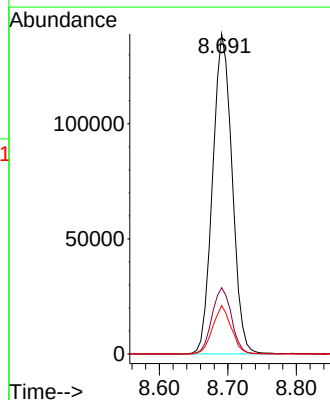
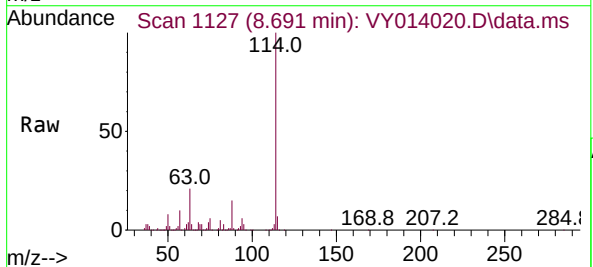
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-0A

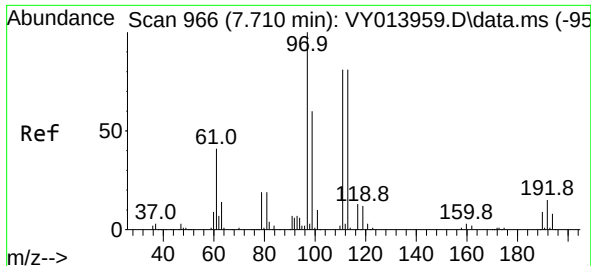
Tgt Ion: 65 Resp: 111286
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion:114 Resp: 274085
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.4
88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.120 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.012 min

Lab File: VY014020.D

Acq: 05 Jun 2023 20:14

Instrument :

MSVOA_Y

ClientSampleId :

TP-13-0A

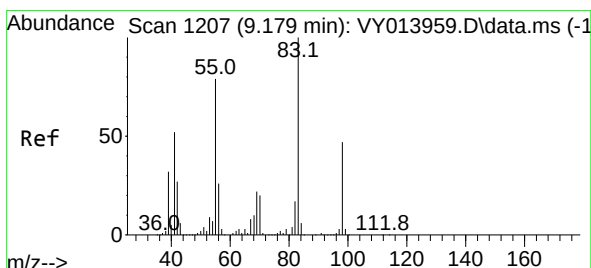
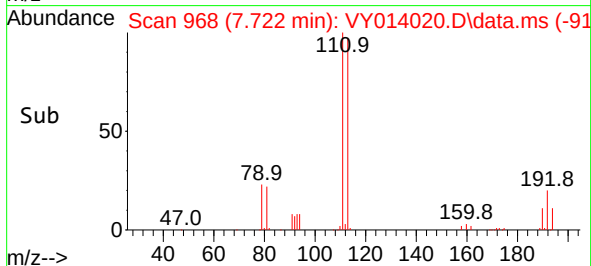
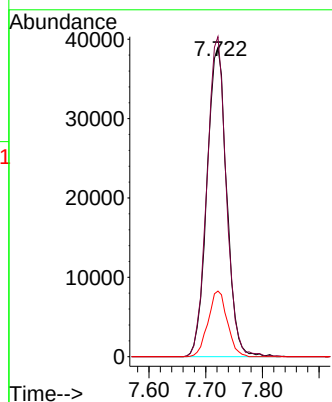
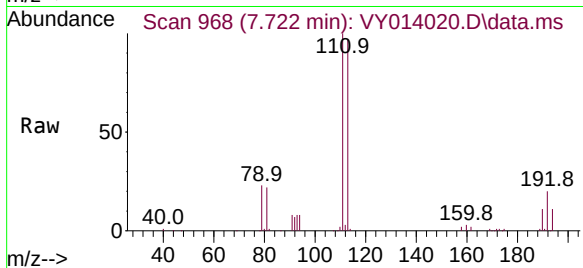
Tgt Ion:113 Resp: 94269

Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 20.6 16.9 25.3



#39

Methylcyclohexane

Concen: 7.592 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.006 min

Lab File: VY014020.D

Acq: 05 Jun 2023 20:14

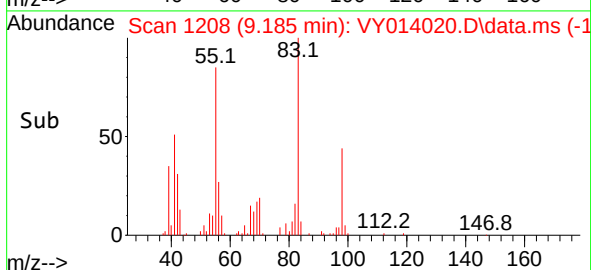
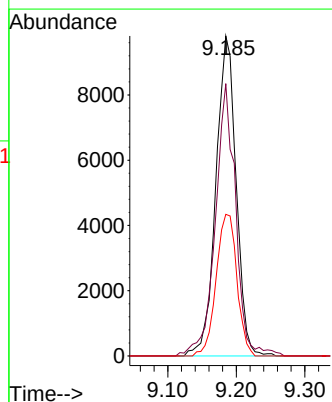
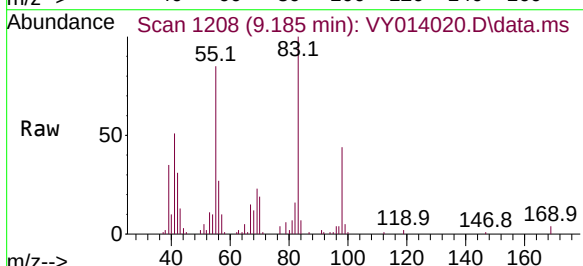
Tgt Ion: 83 Resp: 20113

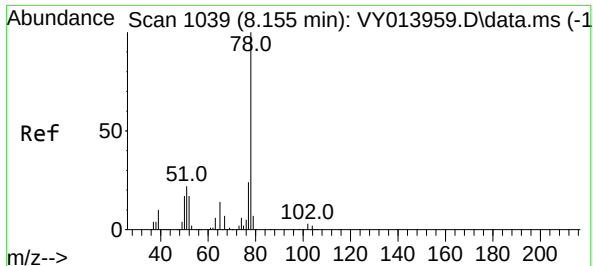
Ion Ratio Lower Upper

83 100

55 84.3 63.0 94.4

98 44.2 37.4 56.2

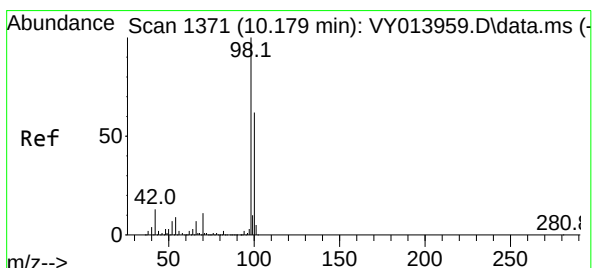
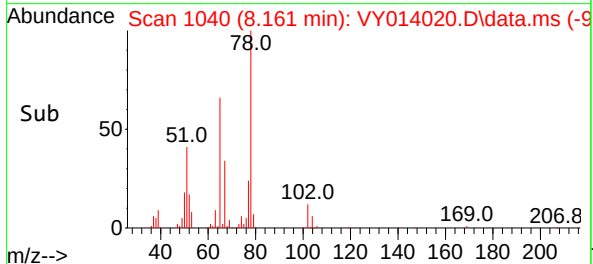
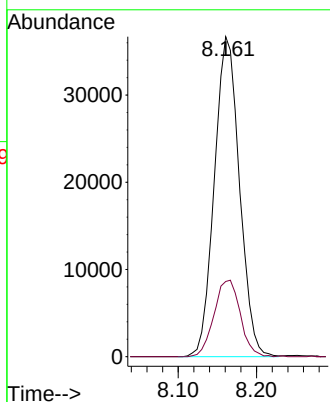
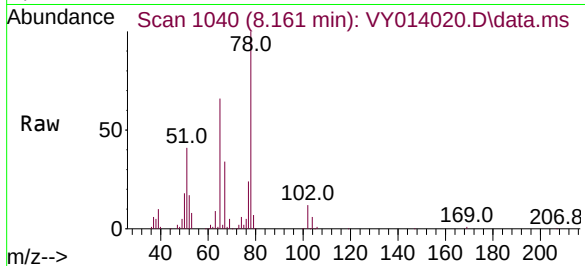




#40
Benzene
Concen: 10.682 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

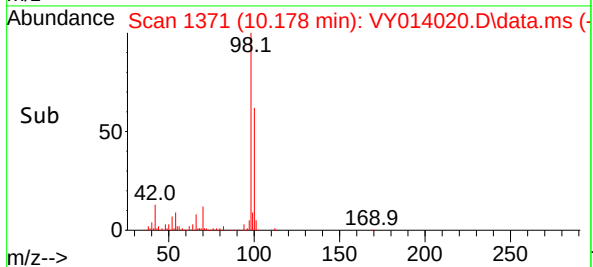
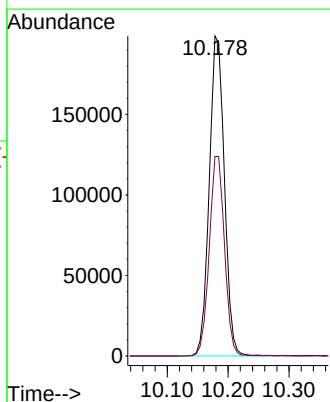
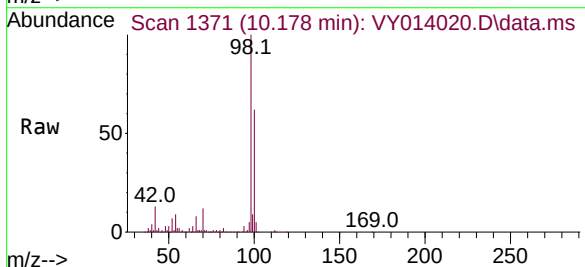
Instrument :
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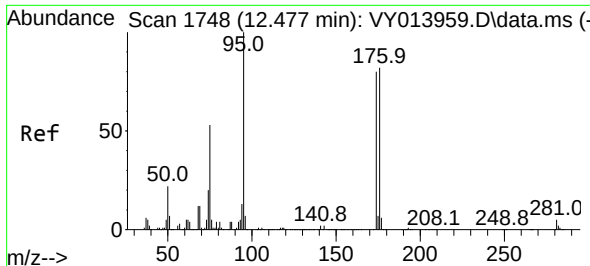
Tgt Ion: 78 Resp: 81775
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6



#50
Toluene-d8
Concen: 51.643 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion: 98 Resp: 343122
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1

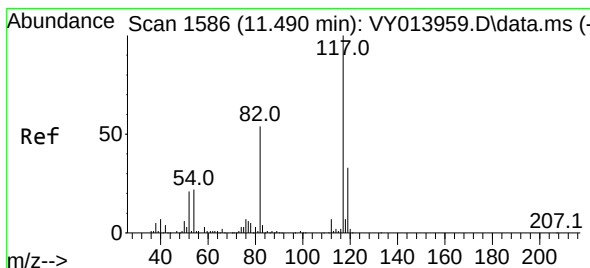
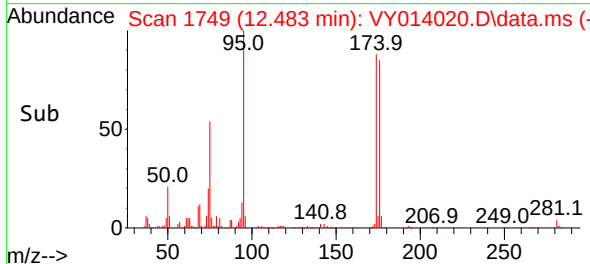
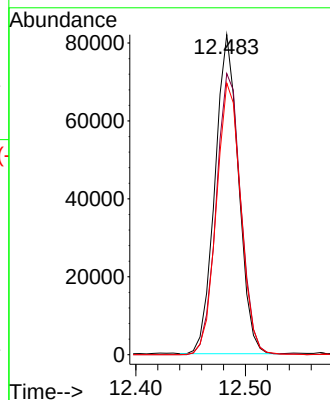
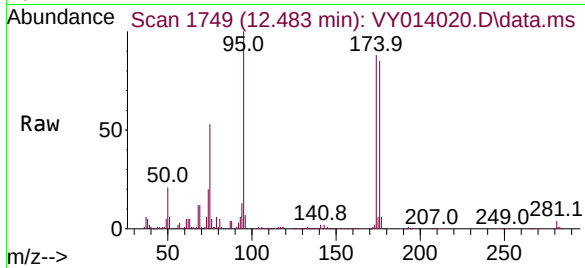




#62
4-Bromofluorobenzene
Concen: 53.923 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

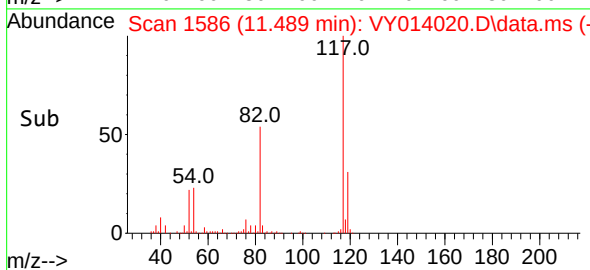
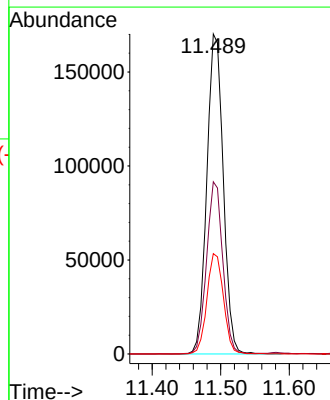
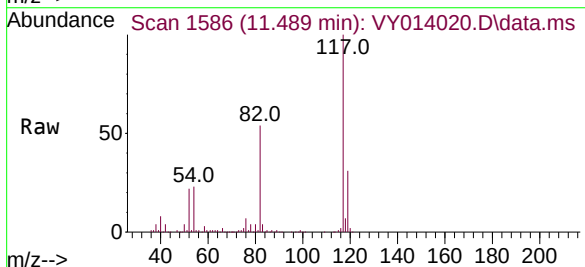
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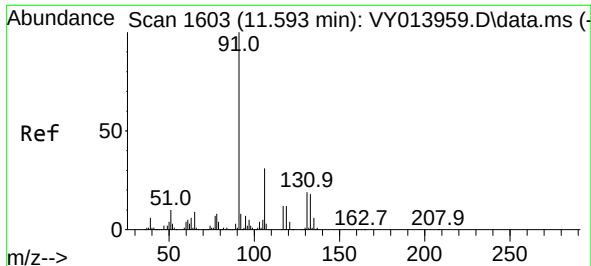
Tgt Ion: 95 Resp: 122142
Ion Ratio Lower Upper
95 100
174 92.2 0.0 178.2
176 88.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion: 117 Resp: 283837
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 31.3 26.3 39.5





#67

Ethyl Benzene

Concen: 8.347 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY014020.D

Acq: 05 Jun 2023 20:14

Instrument :

MSVOA_Y

ClientSampleId :

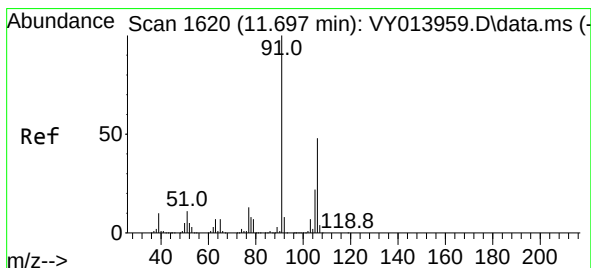
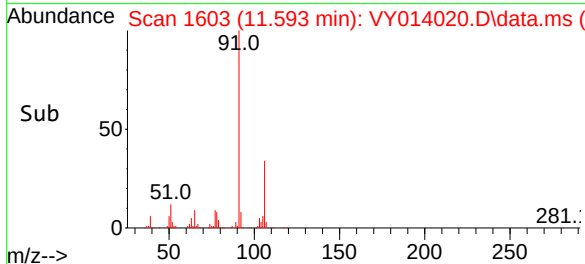
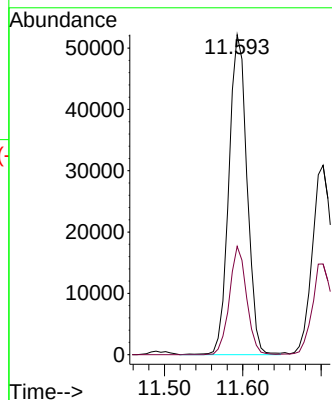
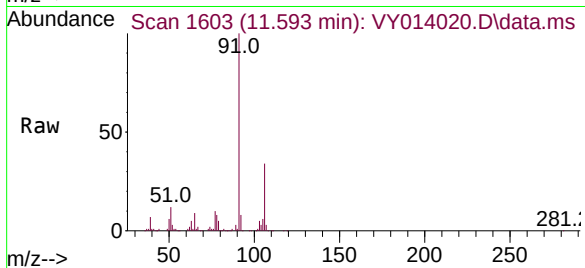
TP-13-0A

Tgt Ion: 91 Resp: 84134

Ion Ratio Lower Upper

91 100

106 33.8 24.6 36.8



#68

m/p-Xylenes

Concen: 7.090 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY014020.D

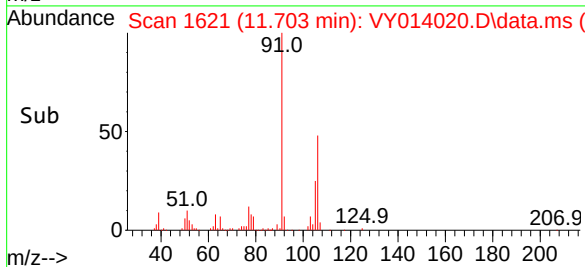
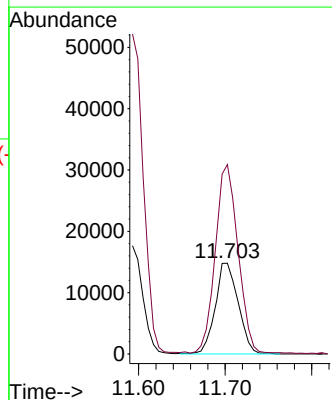
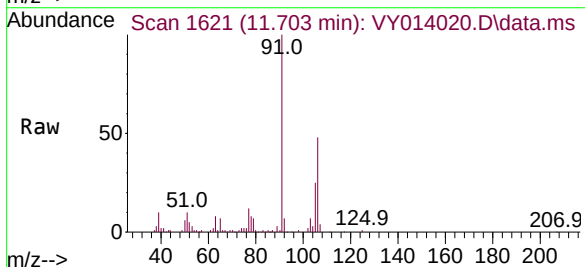
Acq: 05 Jun 2023 20:14

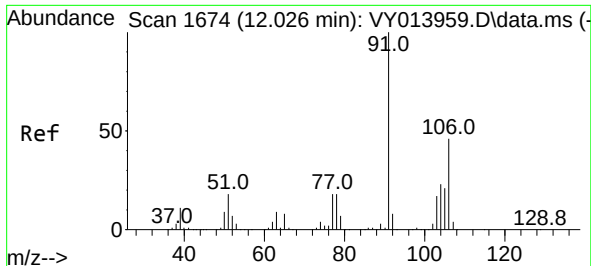
Tgt Ion:106 Resp: 27297

Ion Ratio Lower Upper

106 100

91 206.6 166.1 249.1

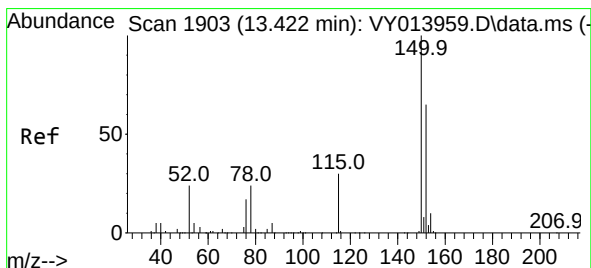
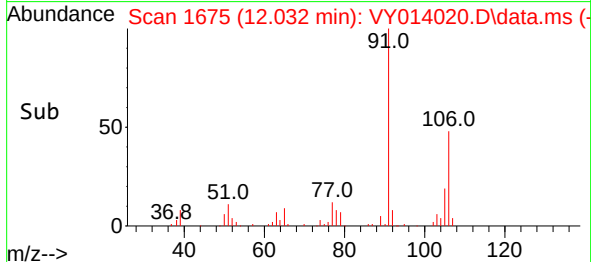
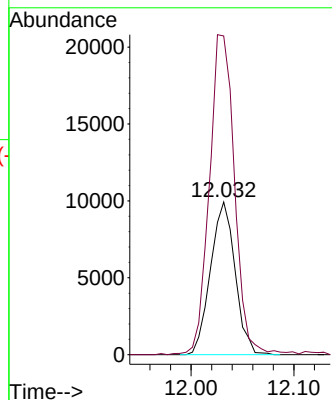
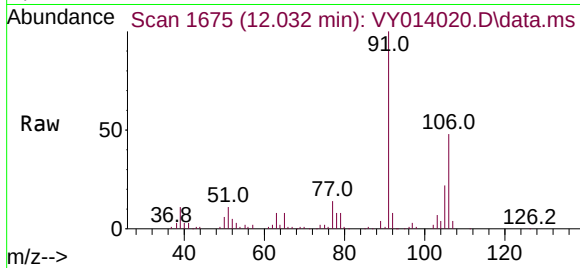




#69
o-Xylene
Concen: 4.468 ug/l
RT: 12.032 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

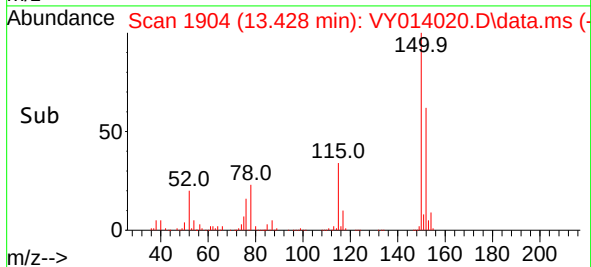
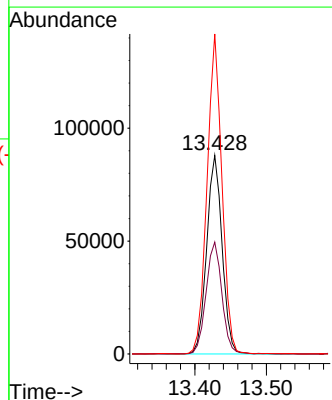
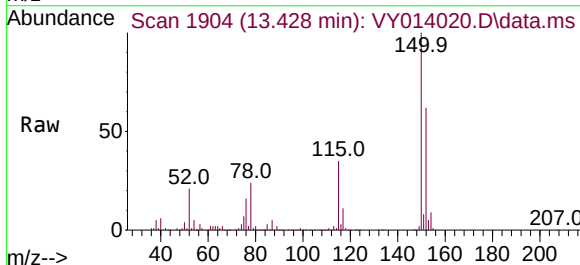
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-0A

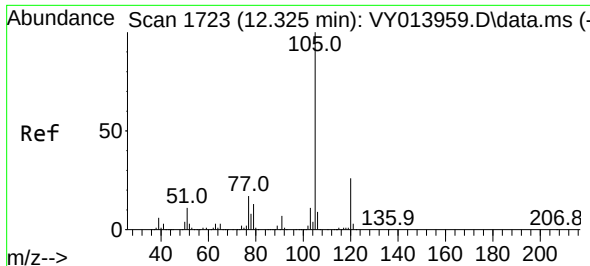
Tgt Ion:106 Resp: 16485
Ion Ratio Lower Upper
106 100
91 215.6 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion:152 Resp: 131740
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 155.3 0.0 348.8

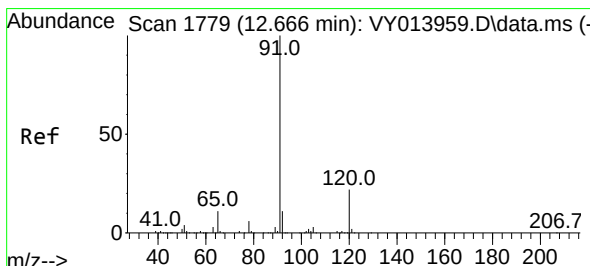
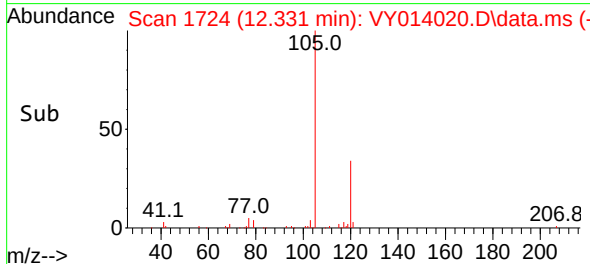
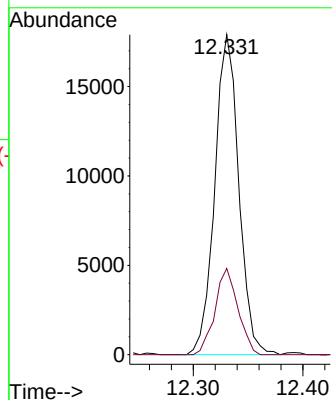
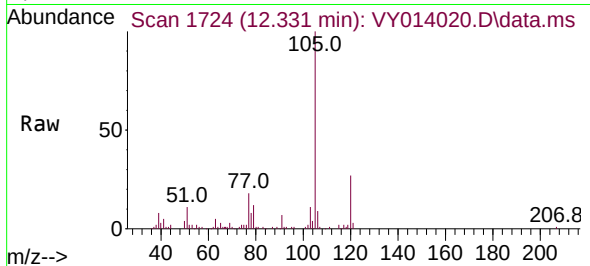




#73
Isopropylbenzene
Concen: 3.139 ug/l
RT: 12.331 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

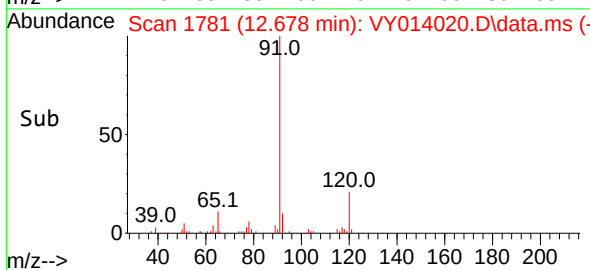
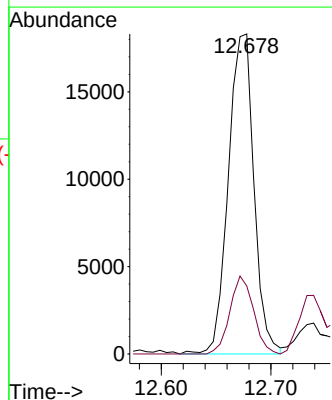
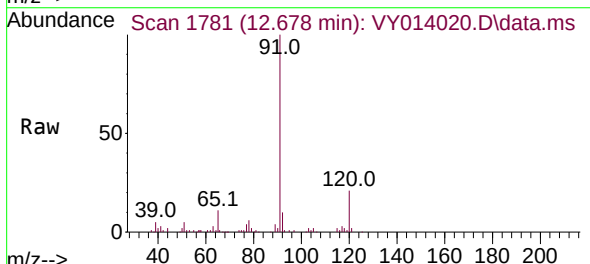
Instrument :
MSVOA_Y
ClientSampleId :
TP-13-0A

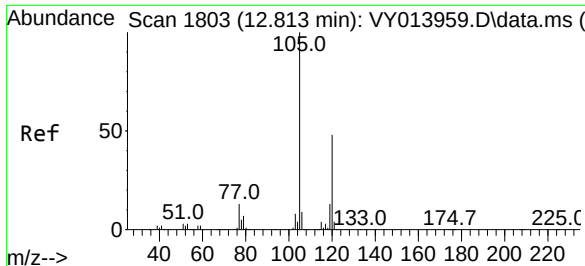
Tgt Ion:105 Resp: 27298
Ion Ratio Lower Upper
105 100
120 25.7 13.3 39.9



#78
n-propylbenzene
Concen: 2.787 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.012 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion: 91 Resp: 29701
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.4

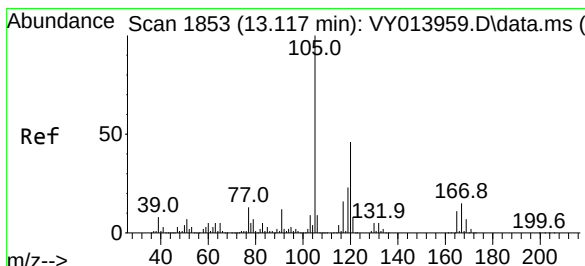
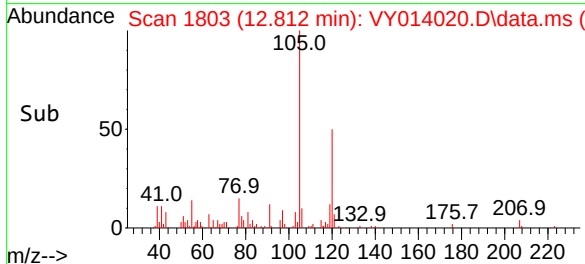
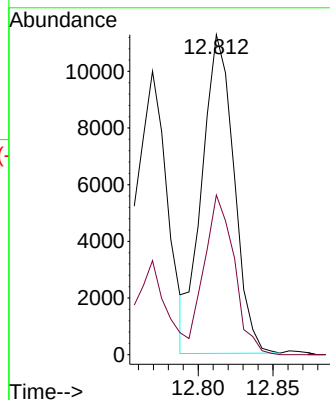
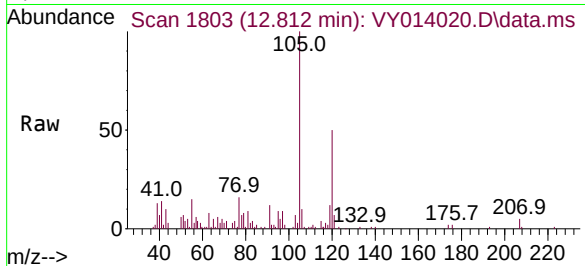




#80
1,3,5-Trimethylbenzene
Concen: 2.247 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Instrument :
MSVOA_Y
ClientSampleId :
TP-13-0A

Tgt Ion:105 Resp: 16744
Ion Ratio Lower Upper
105 100
120 46.6 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 4.390 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY014020.D
Acq: 05 Jun 2023 20:14

Tgt Ion:105 Resp: 32676
Ion Ratio Lower Upper
105 100
120 47.1 22.2 66.6

