

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062624\
 Data File : VY018703.D
 Acq On : 26 Jun 2024 13:26
 Operator : SY/MD
 Sample : P3045-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 6AB

Quant Time: Jun 27 07:50:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	86410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	157748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	146804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63860	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	45637	52.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.920%
35) Dibromofluoromethane	7.704	113	50307	52.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.560%
50) Toluene-d8	10.173	98	180440	48.759	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.520%
62) 4-Bromofluorobenzene	12.477	95	57213	48.960	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.920%

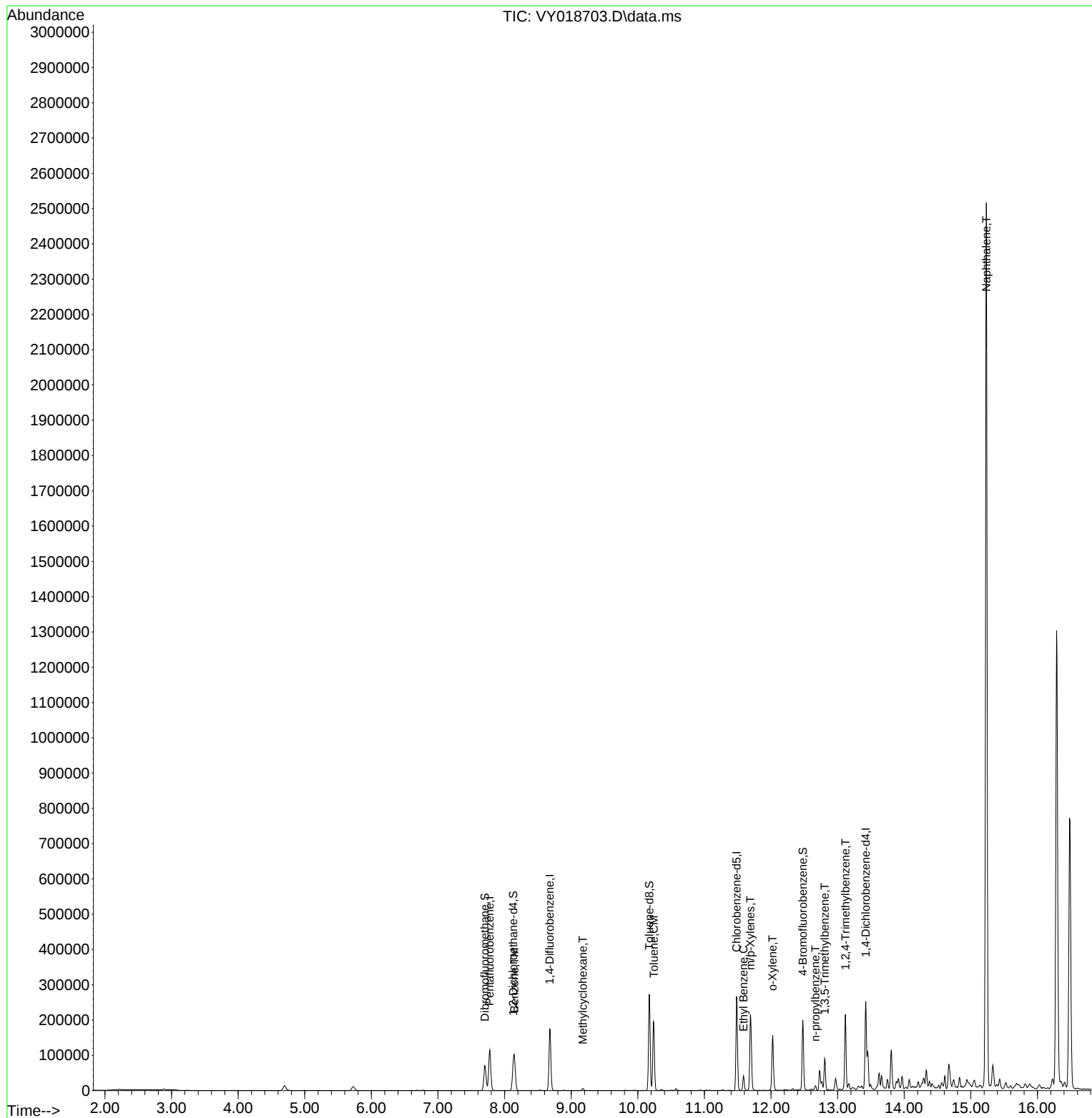
Target Compounds					Qvalue	
39) Methylcyclohexane	9.173	83	2490	1.534	ug/l	# 93
40) Benzene	8.149	78	69511	16.969	ug/l	99
52) Toluene	10.240	92	86342	32.829	ug/l	98
67) Ethyl Benzene	11.587	91	27729	5.270	ug/l	94
68) m/p-Xylenes	11.691	106	67572	33.001	ug/l	98
69) o-Xylene	12.026	106	41052	20.849	ug/l	99
78) n-propylbenzene	12.666	91	10035	1.839	ug/l	92
80) 1,3,5-Trimethylbenzene	12.806	105	40161	10.867	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	113270	30.664	ug/l	99
95) Naphthalene	15.233	128	2089464	1080.065	ug/l	99

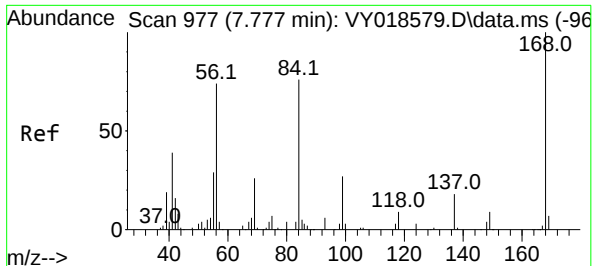
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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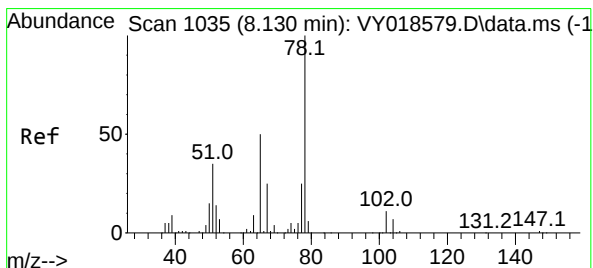
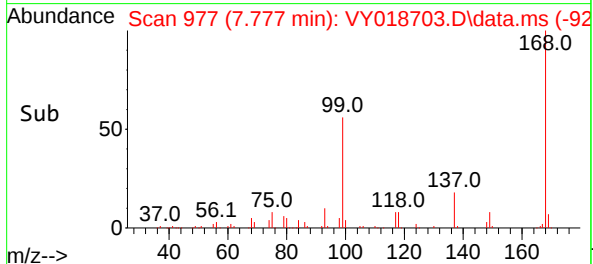
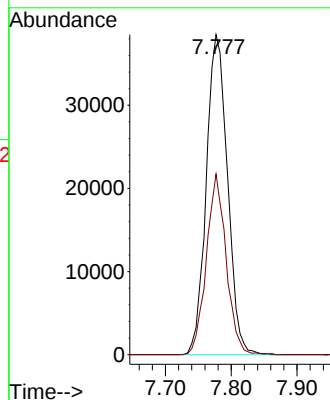
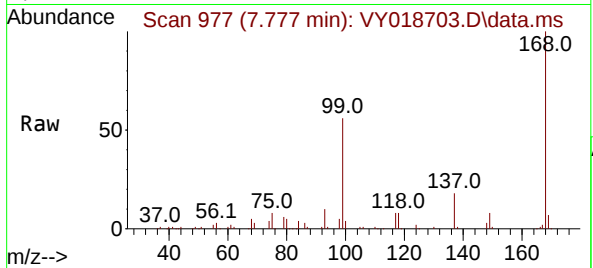




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

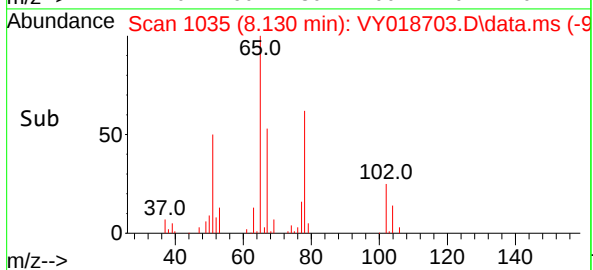
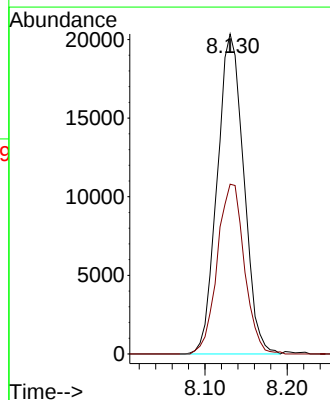
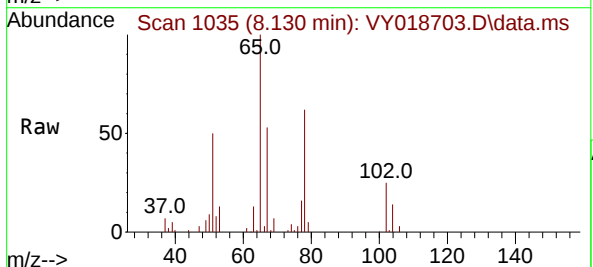
Instrument :
MSVOA_Y
ClientSampleId :
6AB

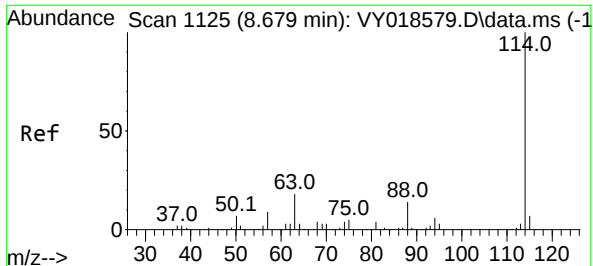
Tgt Ion:168 Resp: 86410
Ion Ratio Lower Upper
168 100
99 56.4 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 52.458 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 65 Resp: 45637
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6

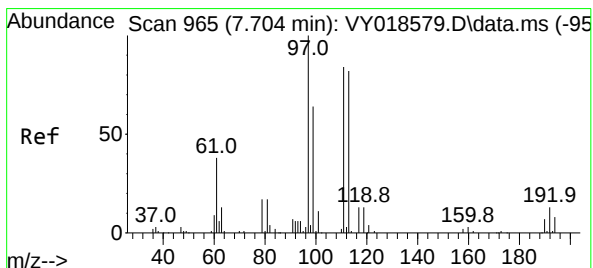
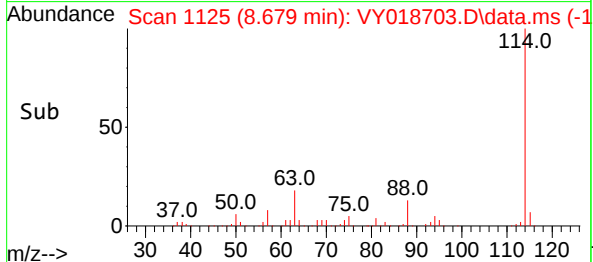
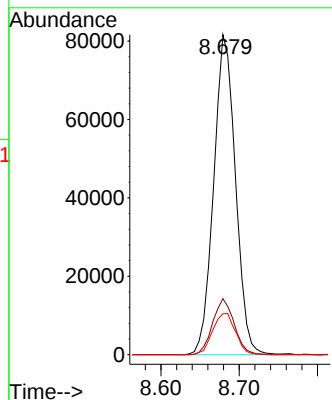
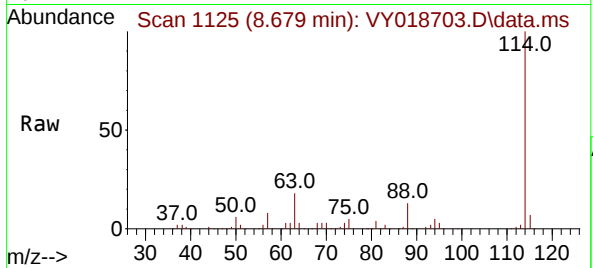




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.679 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

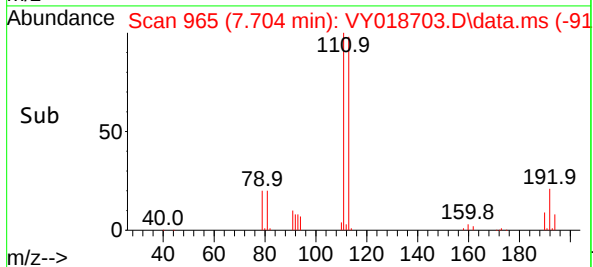
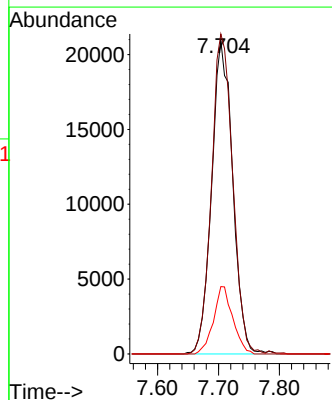
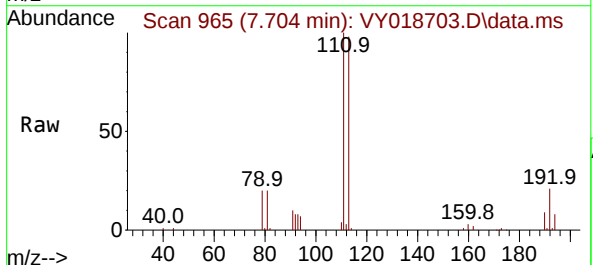
Instrument :
MSVOA_Y
ClientSampleId :
6AB

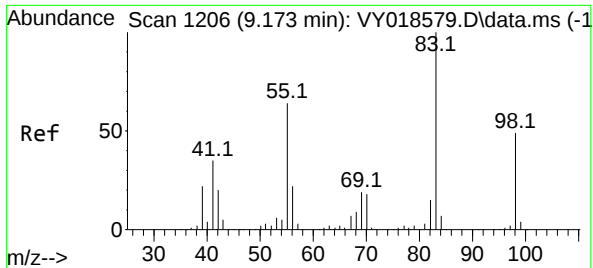
Tgt Ion:114 Resp: 157748
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.0
88 12.8 0.0 27.2



#35
Dibromofluoromethane
Concen: 52.278 ug/l
RT: 7.704 min Scan# 965
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion:113 Resp: 50307
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 19.7 15.9 23.9





#39

Methylcyclohexane

Concen: 1.534 ug/l

RT: 9.173 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

6AB

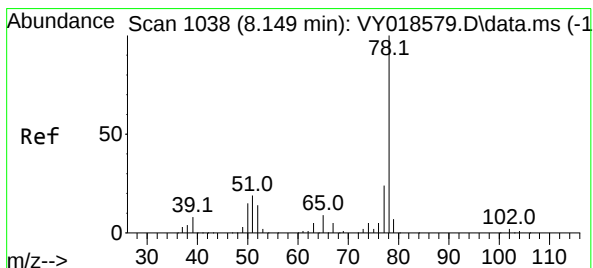
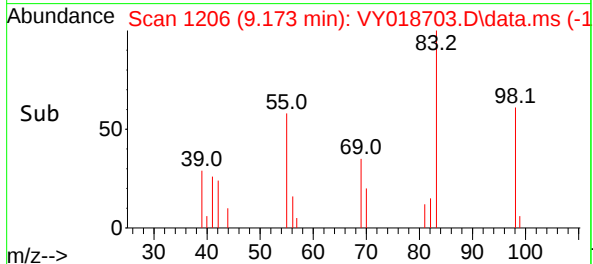
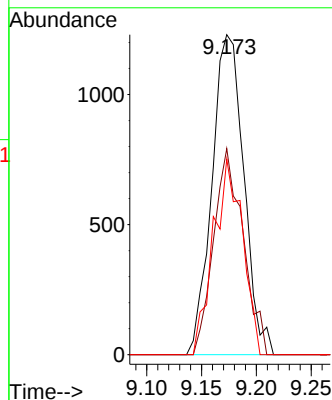
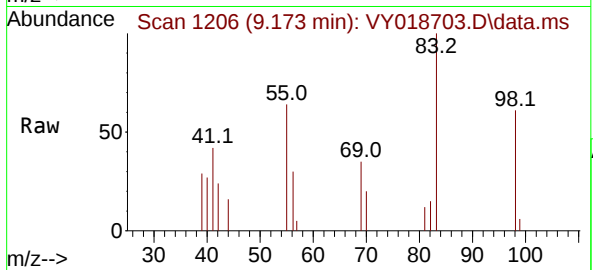
Tgt Ion: 83 Resp: 2490

Ion Ratio Lower Upper

83 100

55 64.4 51.5 77.3

98 61.1 40.5 60.7#



#40

Benzene

Concen: 16.969 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY018703.D

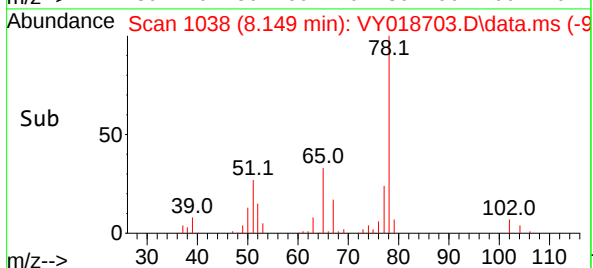
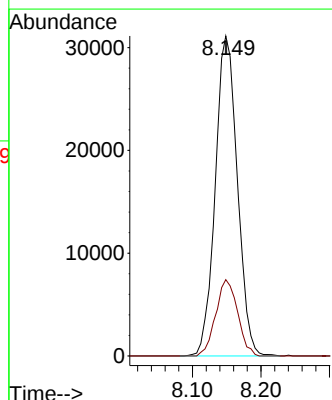
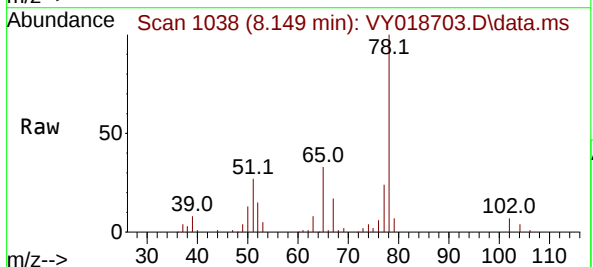
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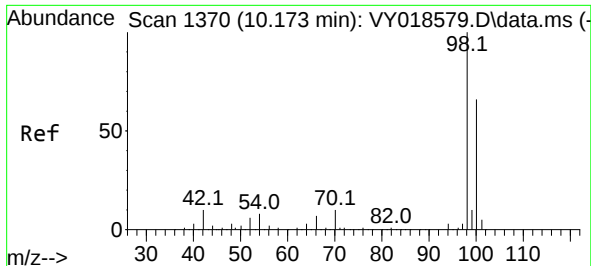
Tgt Ion: 78 Resp: 69511

Ion Ratio Lower Upper

78 100

77 23.8 19.5 29.3





#50

Toluene-d8

Concen: 48.759 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

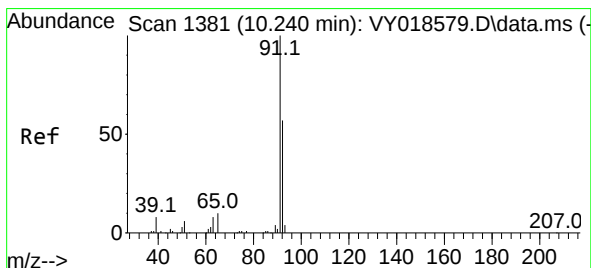
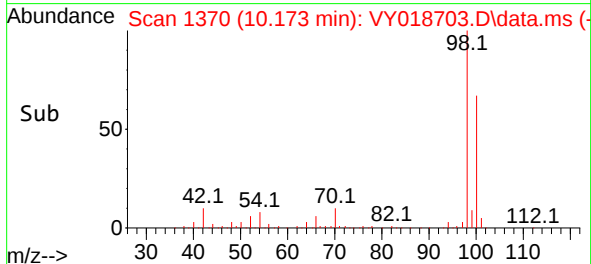
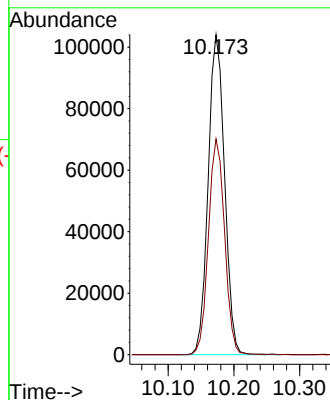
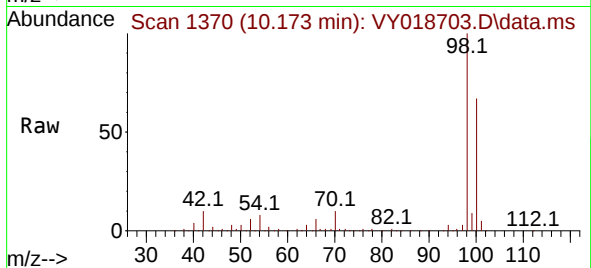
6AB

Tgt Ion: 98 Resp: 180440

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0



#52

Toluene

Concen: 32.829 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY018703.D

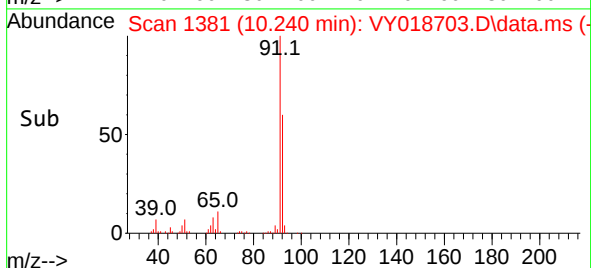
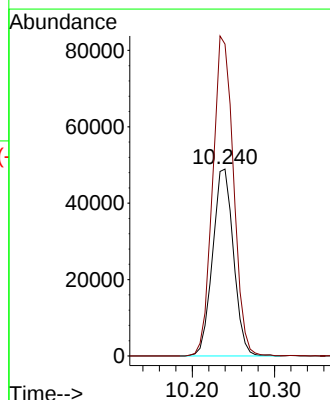
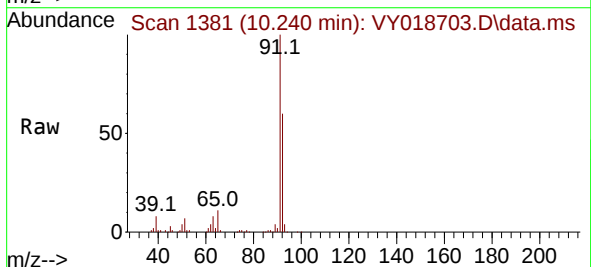
Acq: 26 Jun 2024 13:26

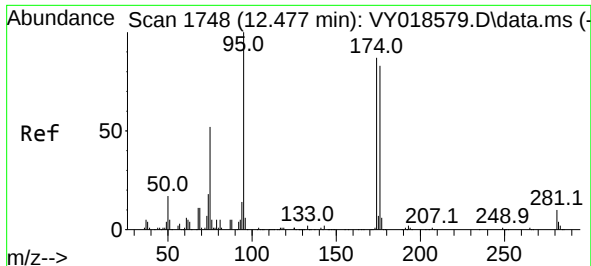
Tgt Ion: 92 Resp: 86342

Ion Ratio Lower Upper

92 100

91 170.6 139.0 208.6

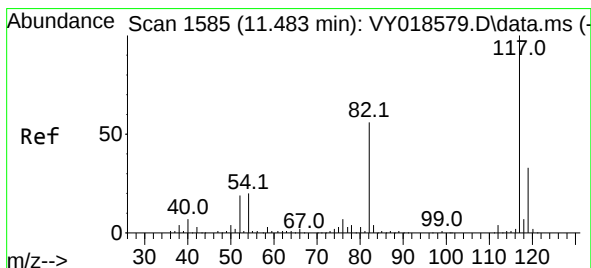
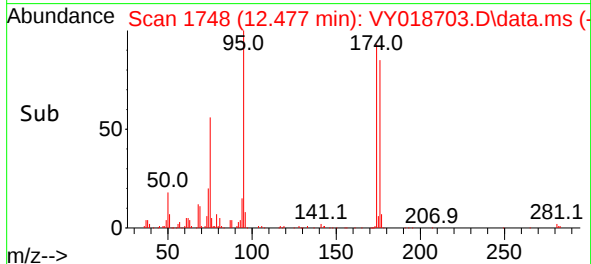
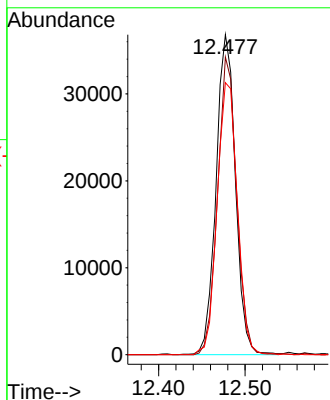
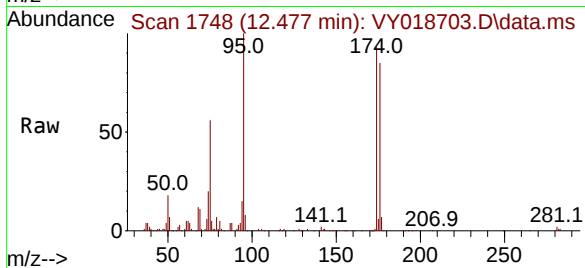




#62
4-Bromofluorobenzene
Concen: 48.960 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

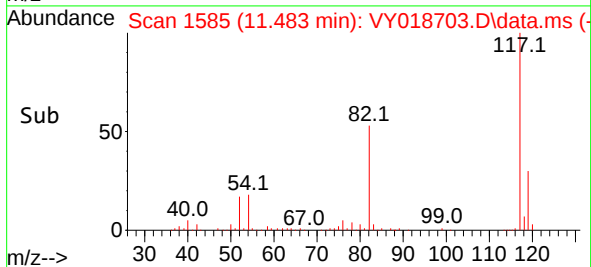
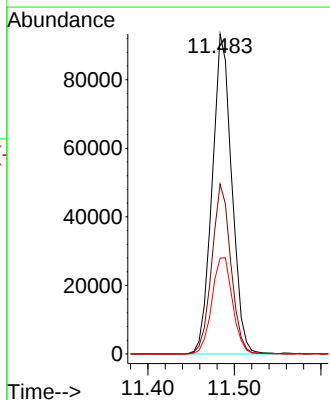
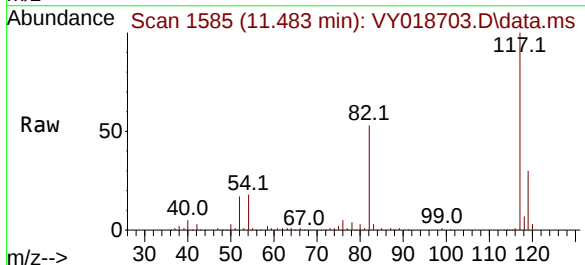
Instrument :
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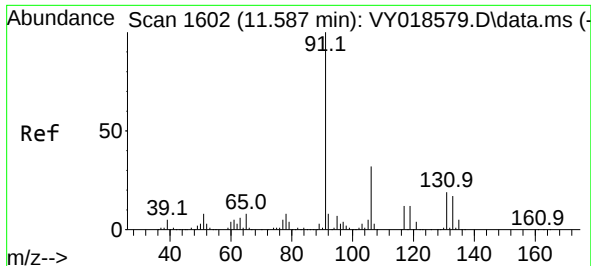
Tgt Ion: 95 Resp: 57213
Ion Ratio Lower Upper
95 100
174 91.7 0.0 175.6
176 88.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 117 Resp: 146804
Ion Ratio Lower Upper
117 100
82 53.1 42.4 63.6
119 29.9 25.9 38.9





#67

Ethyl Benzene

Concen: 5.270 ug/l

RT: 11.587 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

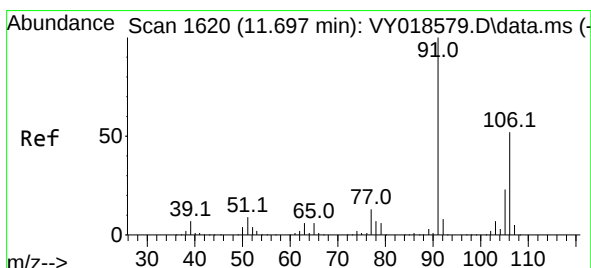
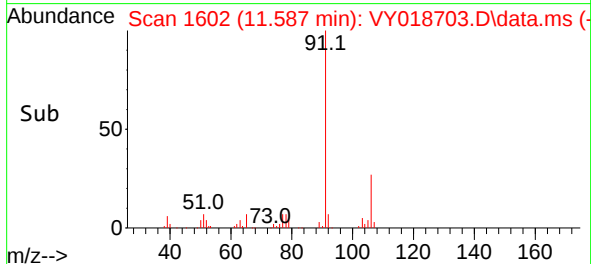
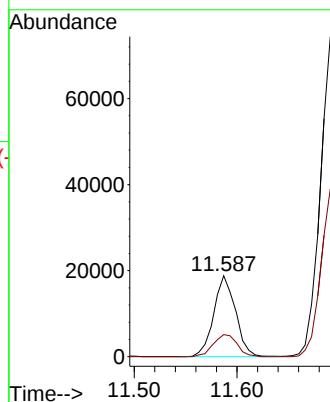
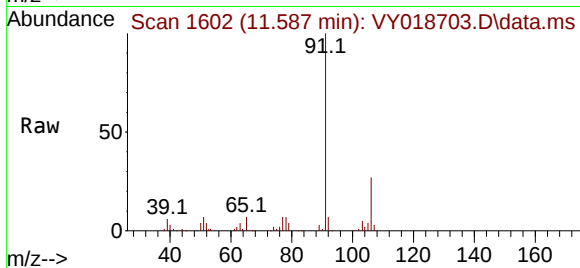
6AB

Tgt Ion: 91 Resp: 27729

Ion Ratio Lower Upper

91 100

106 27.3 24.5 36.7



#68

m/p-Xylenes

Concen: 33.001 ug/l

RT: 11.691 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VY018703.D

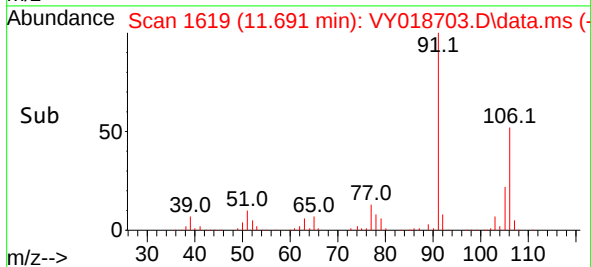
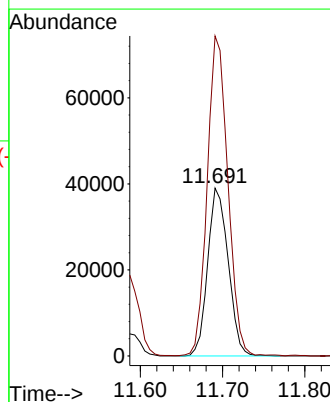
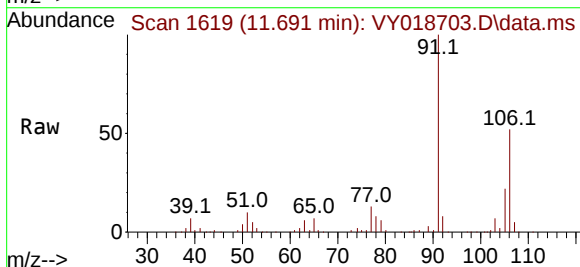
Acq: 26 Jun 2024 13:26

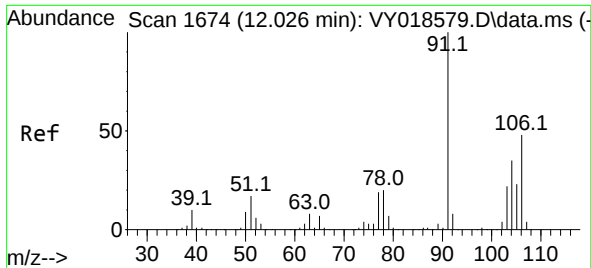
Tgt Ion:106 Resp: 67572

Ion Ratio Lower Upper

106 100

91 191.8 156.0 234.0

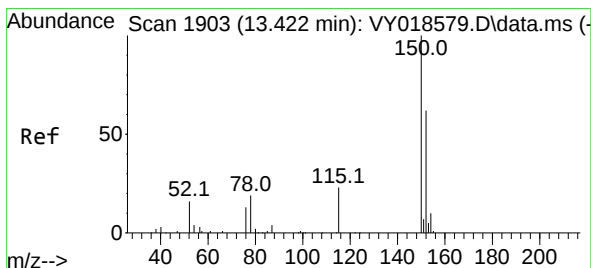
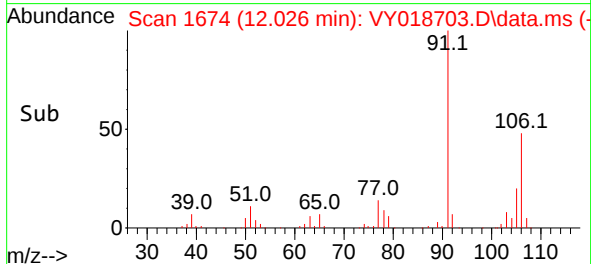
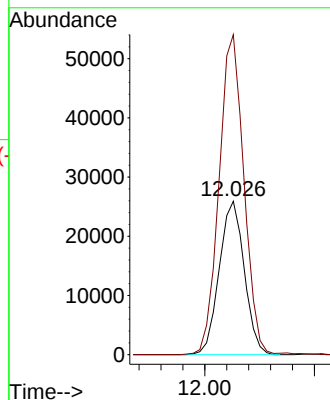
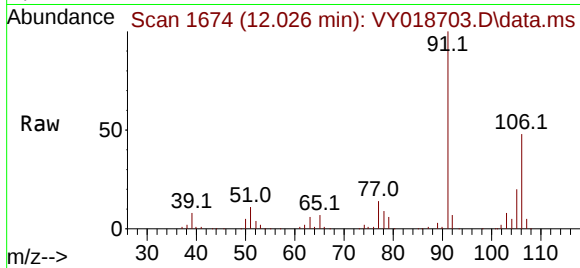




#69
o-Xylene
Concen: 20.849 ug/l
RT: 12.026 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

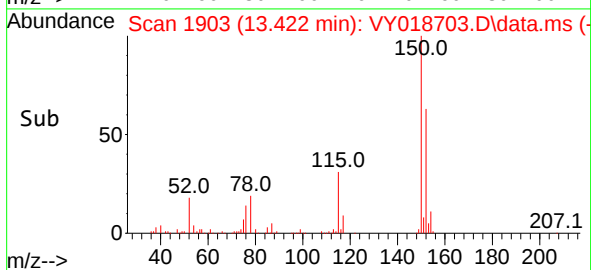
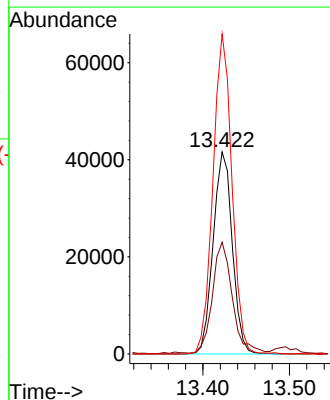
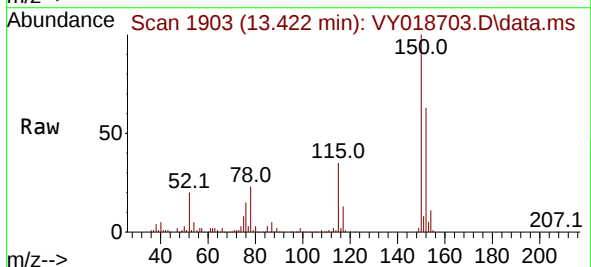
Instrument :
MSVOA_Y
ClientSampleId :
6AB

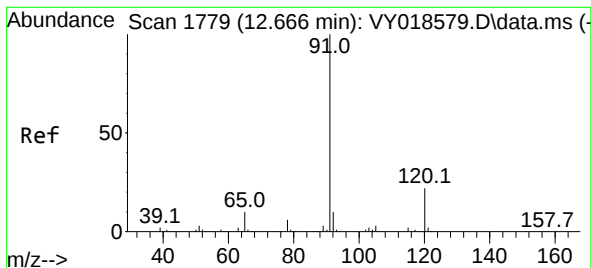
Tgt Ion:106 Resp: 41052
Ion Ratio Lower Upper
106 100
91 208.1 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion:152 Resp: 63860
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 157.0 0.0 345.6





#78

n-propylbenzene

Concen: 1.839 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

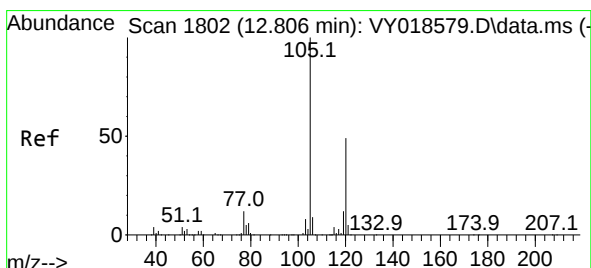
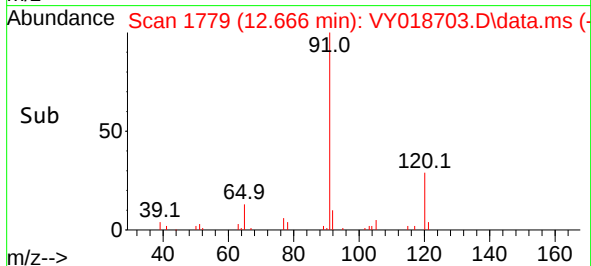
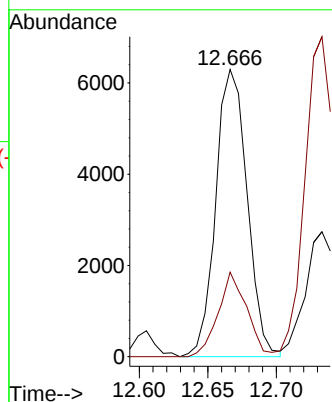
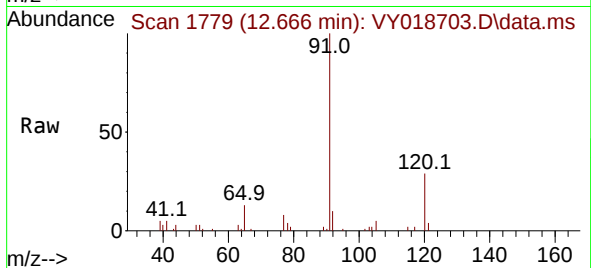
6AB

Tgt Ion: 91 Resp: 10035

Ion Ratio Lower Upper

91 100

120 26.8 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 10.867 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. 0.000 min

Lab File: VY018703.D

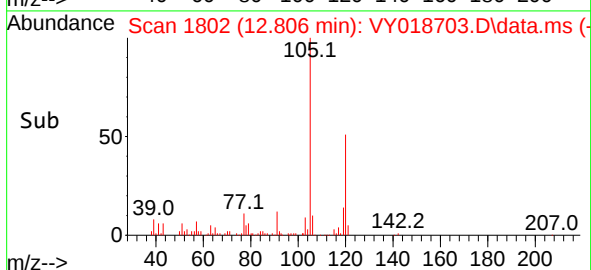
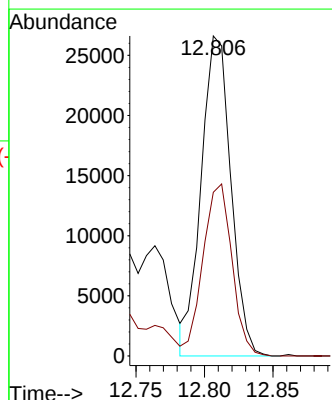
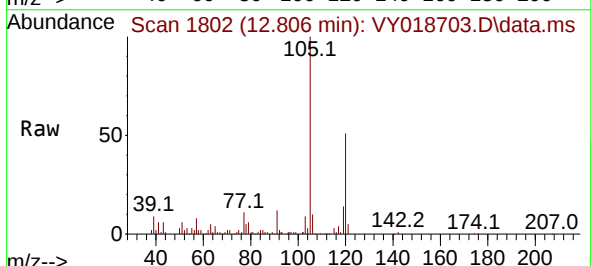
Acq: 26 Jun 2024 13:26

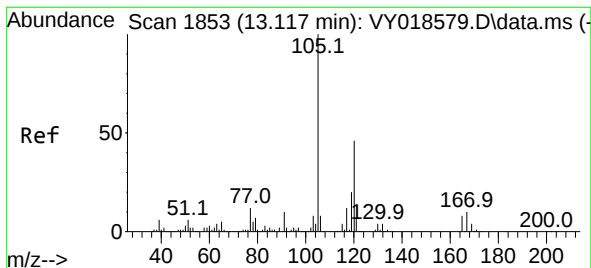
Tgt Ion:105 Resp: 40161

Ion Ratio Lower Upper

105 100

120 52.4 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 30.664 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

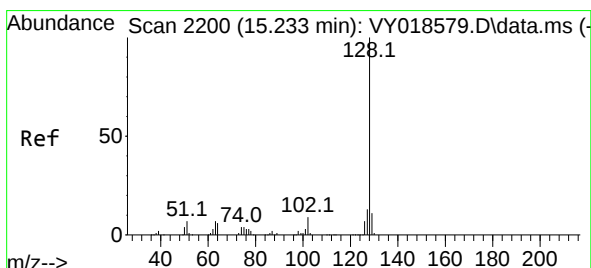
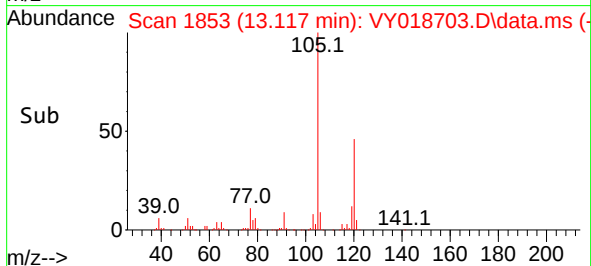
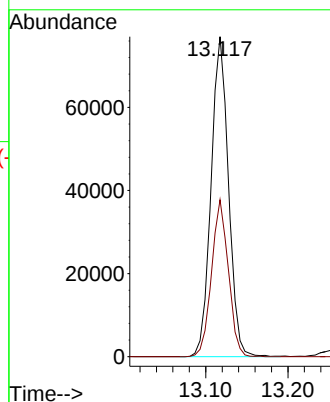
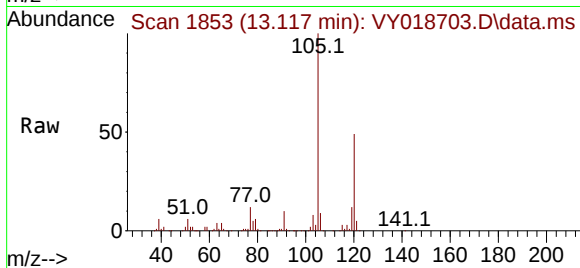
6AB

Tgt Ion:105 Resp: 113270

Ion Ratio Lower Upper

105 100

120 47.4 23.2 69.6



#95

Naphthalene

Concen: 1080.065 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Tgt Ion:128 Resp: 2089464

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 11.0 8.6 13.0

