

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041124\
 Data File : VY017905.D
 Acq On : 11 Apr 2024 12:50
 Operator : SY/MD
 Sample : P2072-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-041024

Quant Time: Apr 12 04:59:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

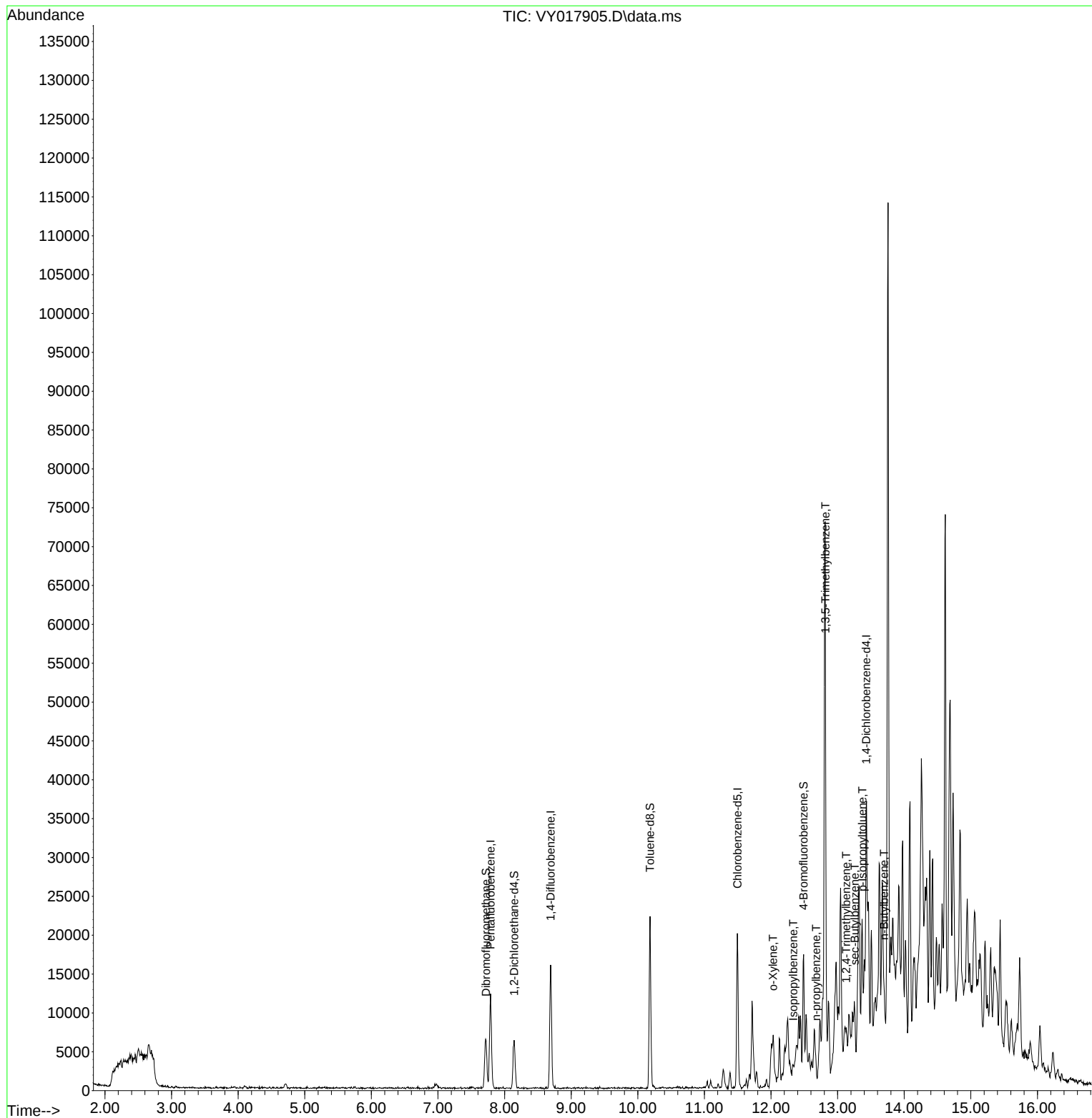
Internal Standards						
1) Pentafluorobenzene	7.789	168	9405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	11444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5114	62.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.680%	
35) Dibromofluoromethane	7.722	113	4561	57.334	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.660%	
50) Toluene-d8	10.185	98	15159	51.013	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	12.489	95	4221	46.687	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.380%	
Target Compounds						
					Qvalue	
69) o-Xylene	12.032	106	1353	10.491	ug/l	95
73) Isopropylbenzene	12.337	105	488	1.442	ug/l	94
78) n-propylbenzene	12.678	91	1210	2.931	ug/l	83
80) 1,3,5-Trimethylbenzene	12.818	105	5577	21.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.129	105	1625	6.179	ug/l	93
85) sec-Butylbenzene	13.257	105	1825	5.065	ug/l	93
86) p-Isopropyltoluene	13.373	119	2025	6.724	ug/l	89
89) n-Butylbenzene	13.696	91	1482	5.348	ug/l #	64

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

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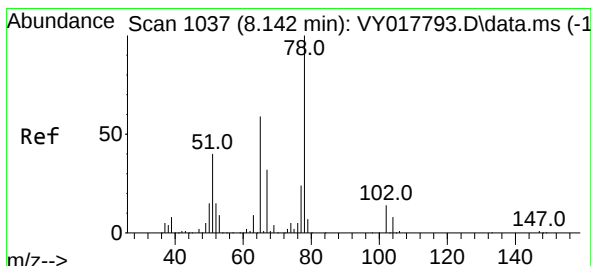
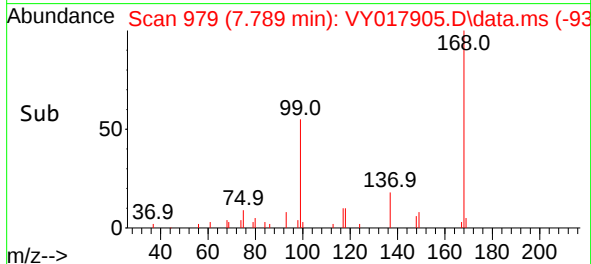
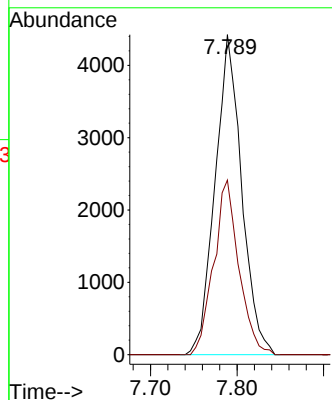
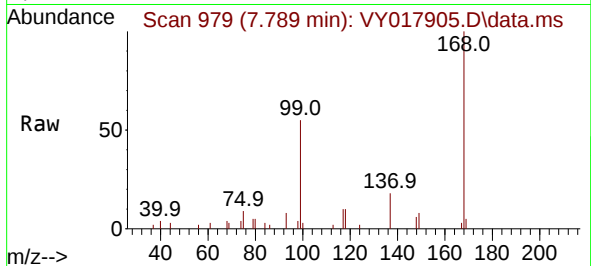




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017905.D
Acq: 11 Apr 2024 12:50

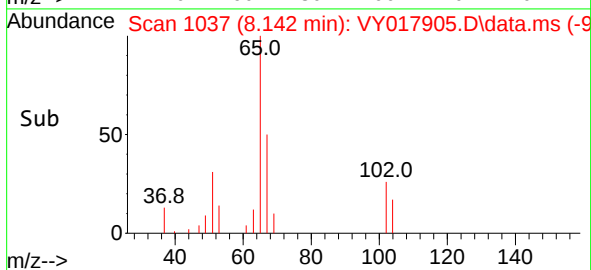
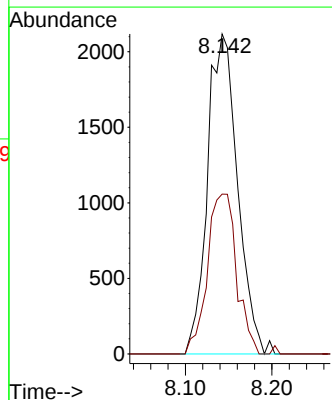
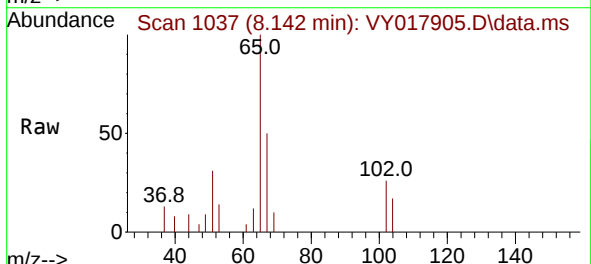
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-041024

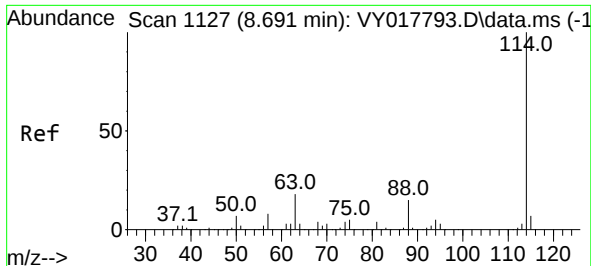
Tgt Ion:168 Resp: 9405
Ion Ratio Lower Upper
168 100
99 54.6 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 62.837 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY017905.D
Acq: 11 Apr 2024 12:50

Tgt Ion: 65 Resp: 5114
Ion Ratio Lower Upper
65 100
67 48.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-041024

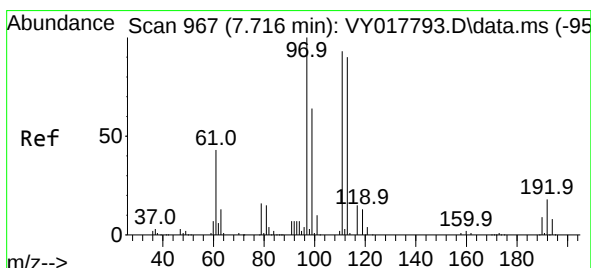
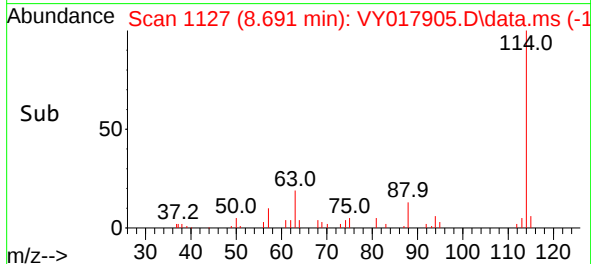
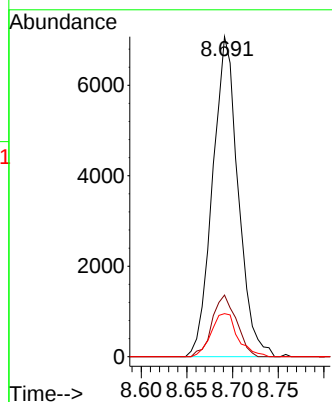
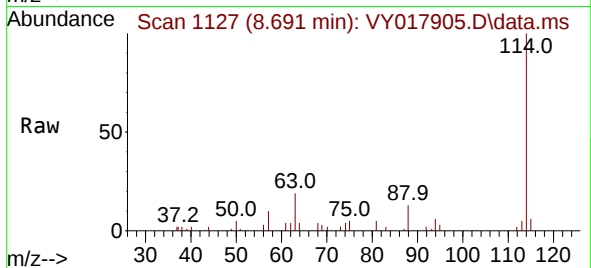
Tgt Ion:114 Resp: 13767

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.334 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

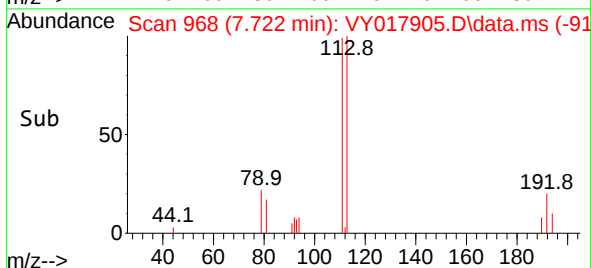
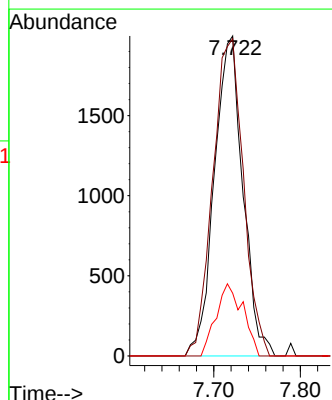
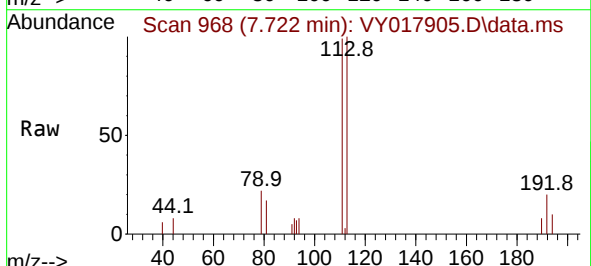
Tgt Ion:113 Resp: 4561

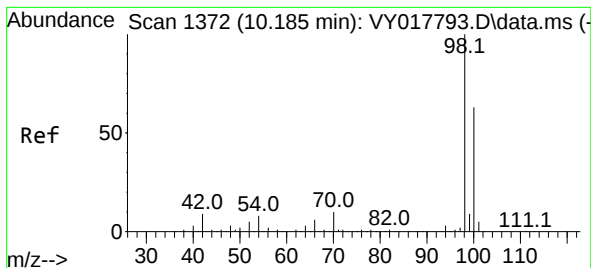
Ion Ratio Lower Upper

113 100

111 106.3 82.2 123.4

192 21.2 15.9 23.9





#50

Toluene-d8

Concen: 51.013 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :

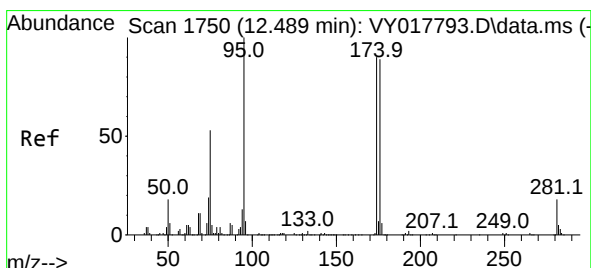
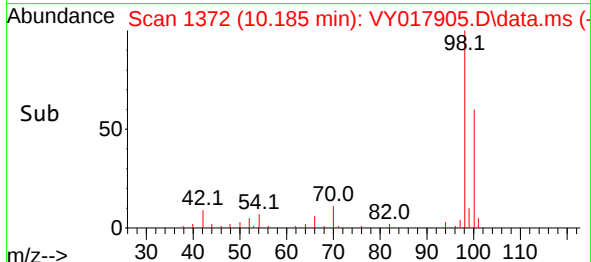
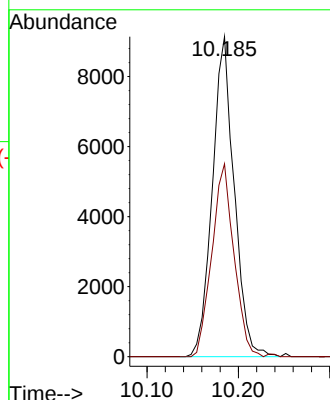
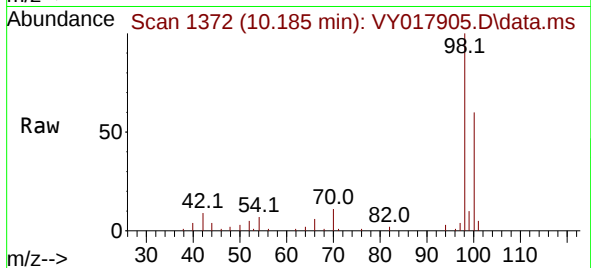
HR-02-041024

Tgt Ion: 98 Resp: 15159

Ion Ratio Lower Upper

98 100

100 61.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.687 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

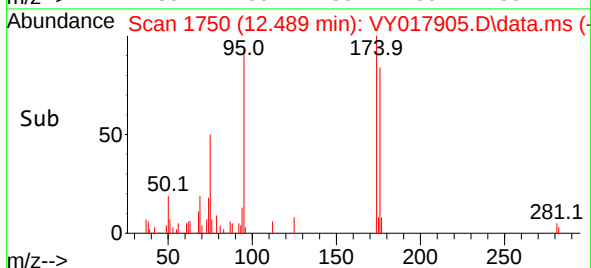
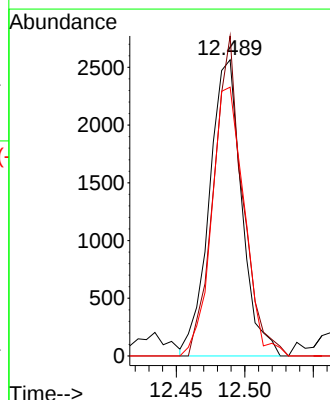
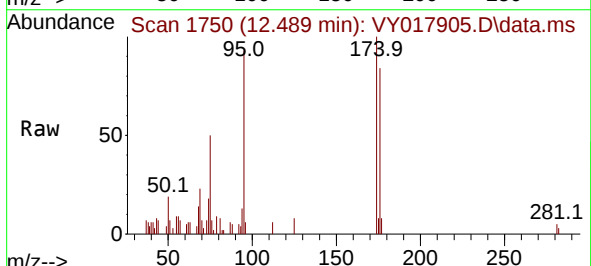
Tgt Ion: 95 Resp: 4221

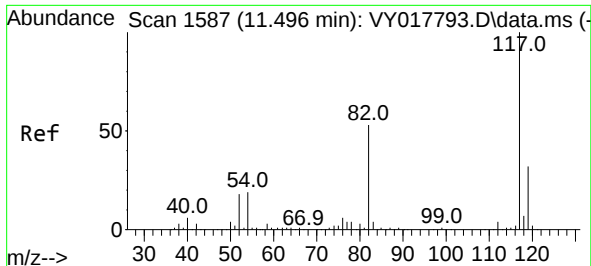
Ion Ratio Lower Upper

95 100

174 96.0 0.0 175.6

176 91.2 0.0 171.4

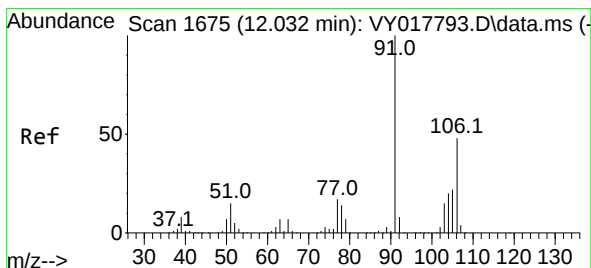
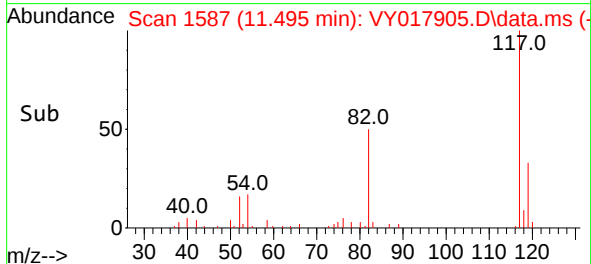
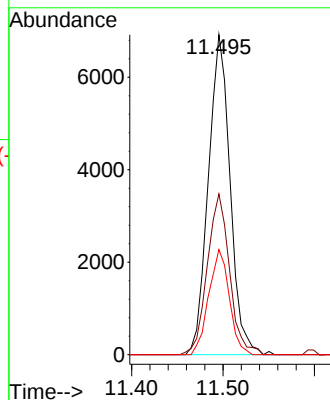
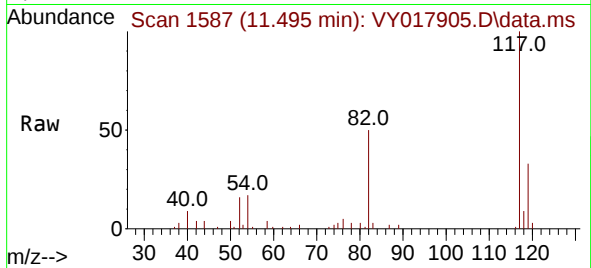




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017905.D
Acq: 11 Apr 2024 12:50

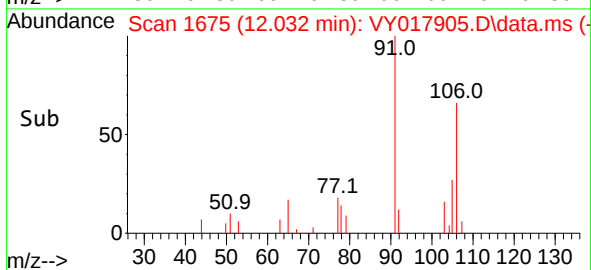
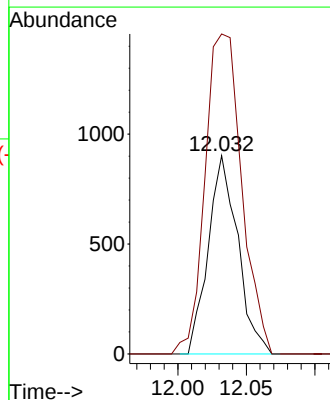
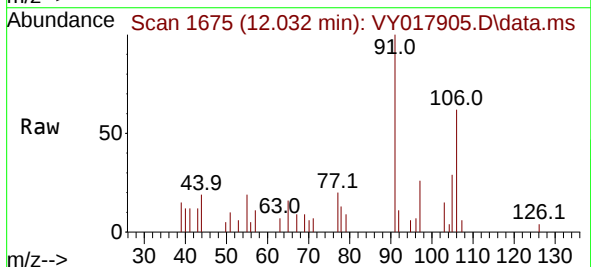
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-041024

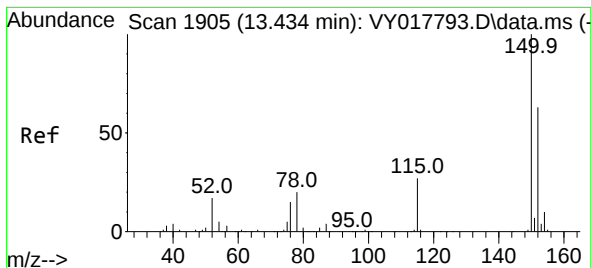
Tgt Ion:117 Resp: 11444
Ion Ratio Lower Upper
117 100
82 50.3 42.4 63.6
119 32.9 25.9 38.9



#69
o-Xylene
Concen: 10.491 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY017905.D
Acq: 11 Apr 2024 12:50

Tgt Ion:106 Resp: 1353
Ion Ratio Lower Upper
106 100
91 200.1 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-041024

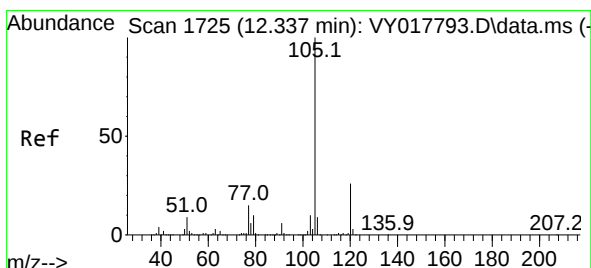
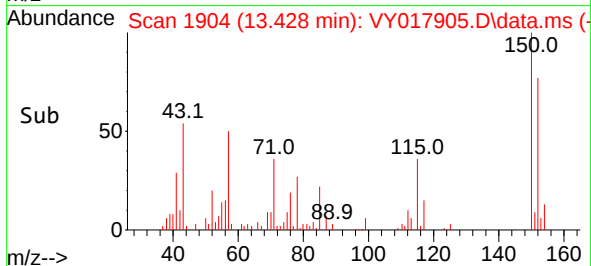
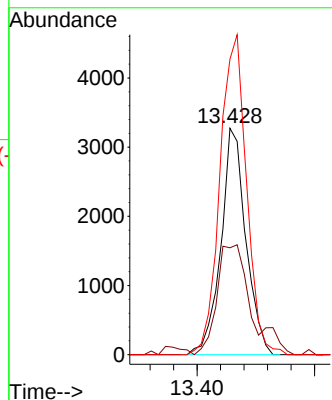
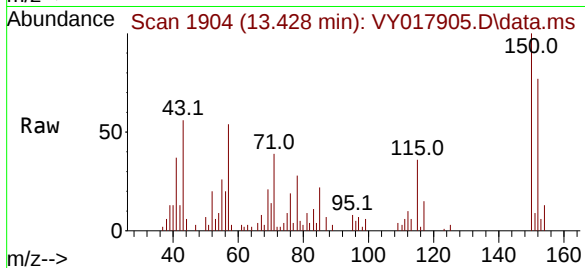
Tgt Ion:152 Resp: 4828

Ion Ratio Lower Upper

152 100

115 66.0 28.2 84.7

150 150.6 0.0 345.6



#73

Isopropylbenzene

Concen: 1.442 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.000 min

Lab File: VY017905.D

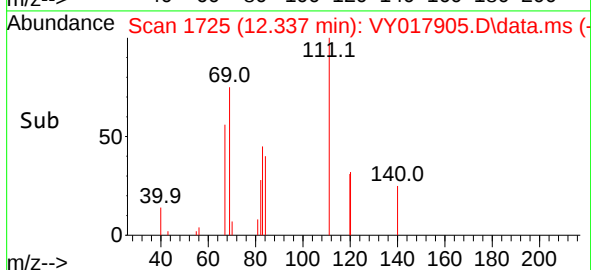
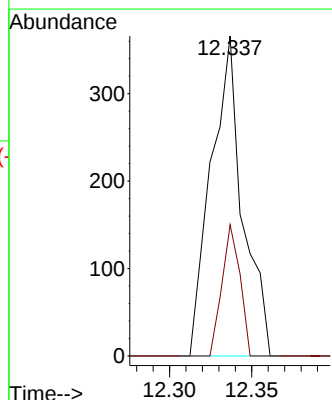
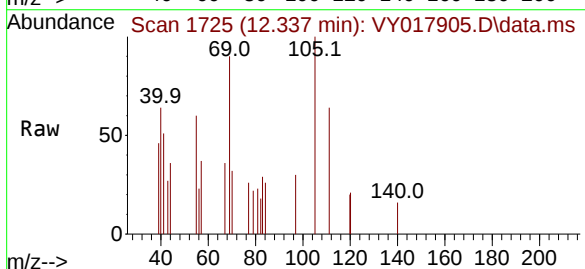
Acq: 11 Apr 2024 12:50

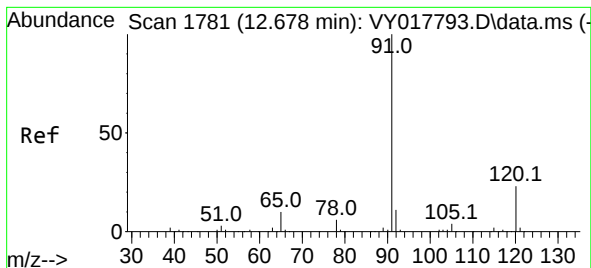
Tgt Ion:105 Resp: 488

Ion Ratio Lower Upper

105 100

120 23.4 13.4 40.1





#78

n-propylbenzene

Concen: 2.931 ug/l

RT: 12.678 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :

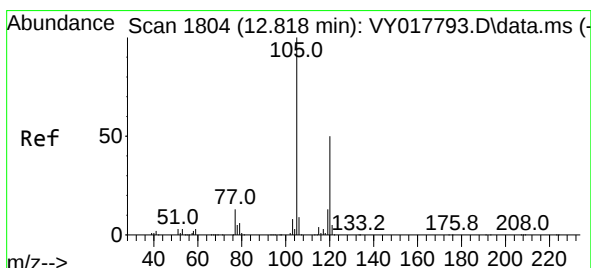
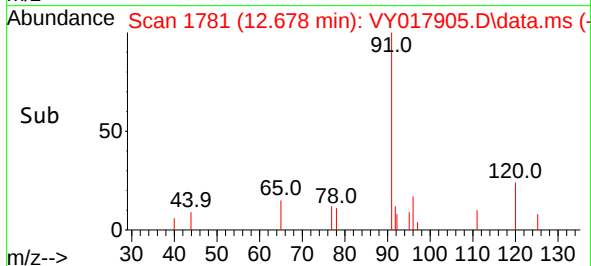
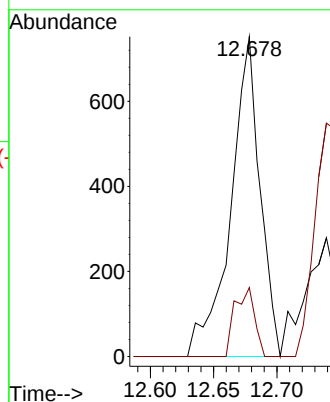
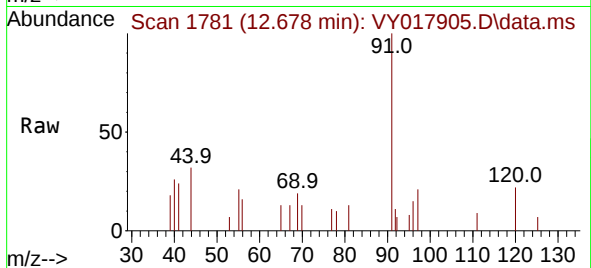
HR-02-041024

Tgt Ion: 91 Resp: 1210

Ion Ratio Lower Upper

91 100

120 14.5 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 21.121 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. -0.000 min

Lab File: VY017905.D

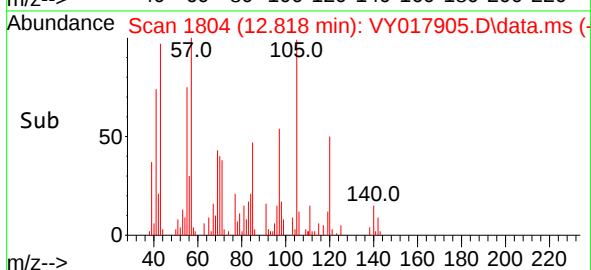
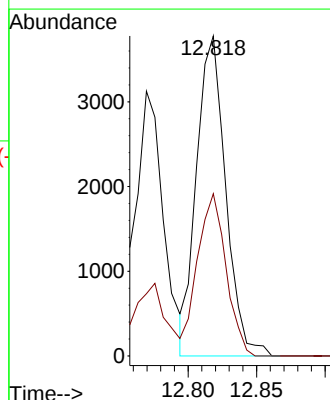
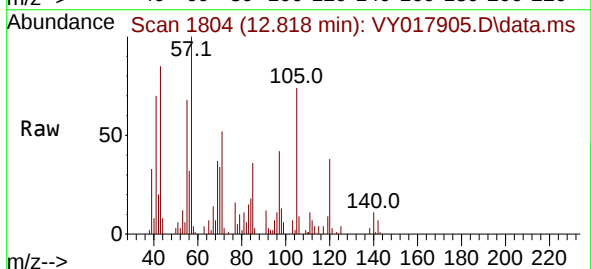
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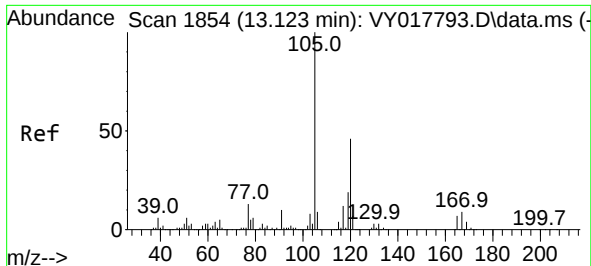
Tgt Ion: 105 Resp: 5577

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.2

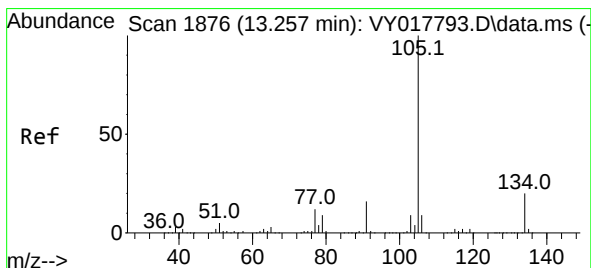
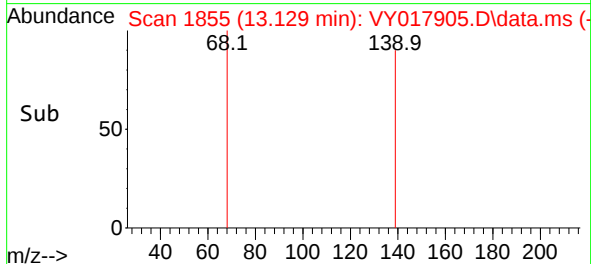
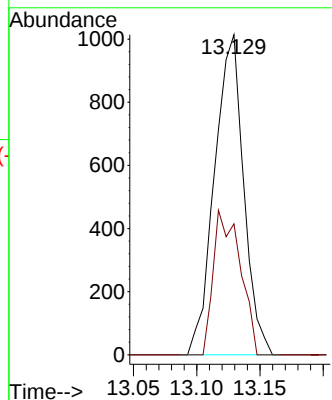
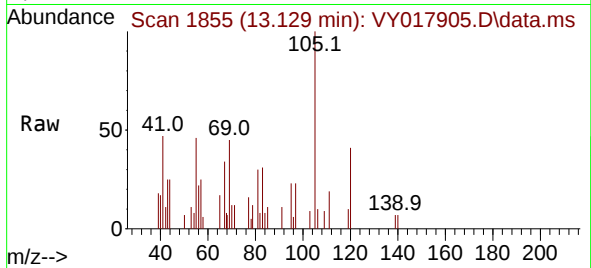




#84
1,2,4-Trimethylbenzene
Concen: 6.179 ug/l
RT: 13.129 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY017905.D
Acq: 11 Apr 2024 12:50

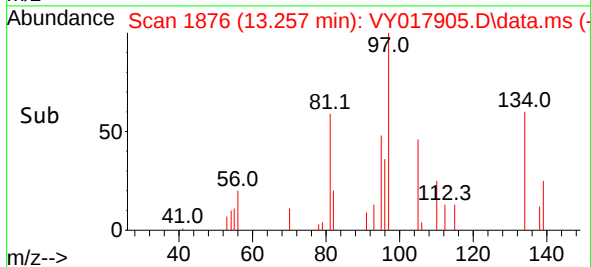
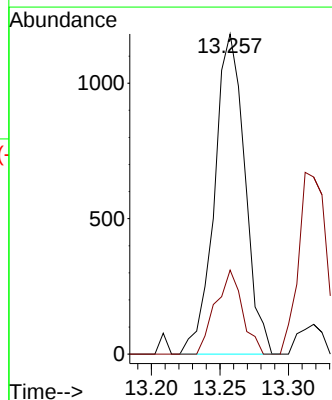
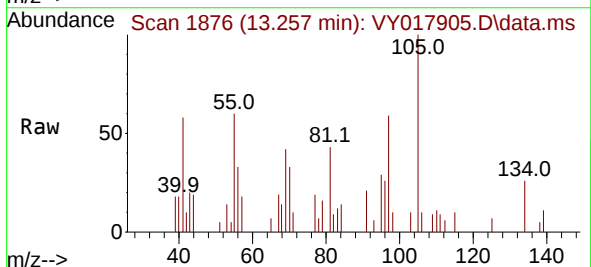
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-041024

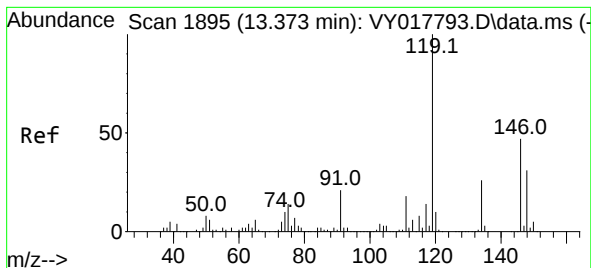
Tgt Ion:105 Resp: 1625
Ion Ratio Lower Upper
105 100
120 41.6 23.2 69.6



#85
sec-Butylbenzene
Concen: 5.065 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY017905.D
Acq: 11 Apr 2024 12:50

Tgt Ion:105 Resp: 1825
Ion Ratio Lower Upper
105 100
134 23.1 10.1 30.1





#86

p-Isopropyltoluene

Concen: 6.724 ug/l

RT: 13.373 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-041024

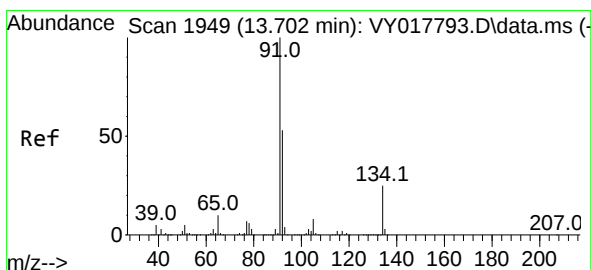
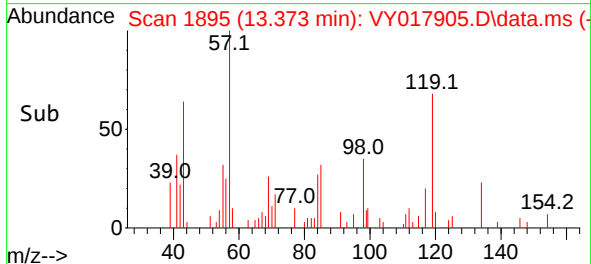
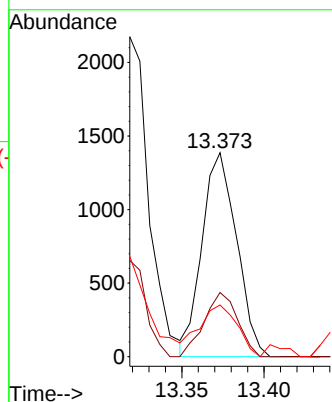
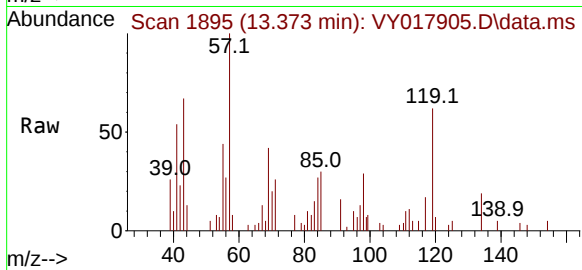
Tgt Ion:119 Resp: 2025

Ion Ratio Lower Upper

119 100

134 30.5 13.1 39.3

91 28.0 10.7 32.1



#89

n-Butylbenzene

Concen: 5.348 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY017905.D

Acq: 11 Apr 2024 12:50

Tgt Ion: 91 Resp: 1482

Ion Ratio Lower Upper

91 100

92 73.4 26.6 79.7

134 0.0 12.9 38.7#

