

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017224.D
 Acq On : 05 Feb 2024 13:19
 Operator : SY/MD
 Sample : P1366-05
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-1-4-6

Quant Time: Feb 06 00:58:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

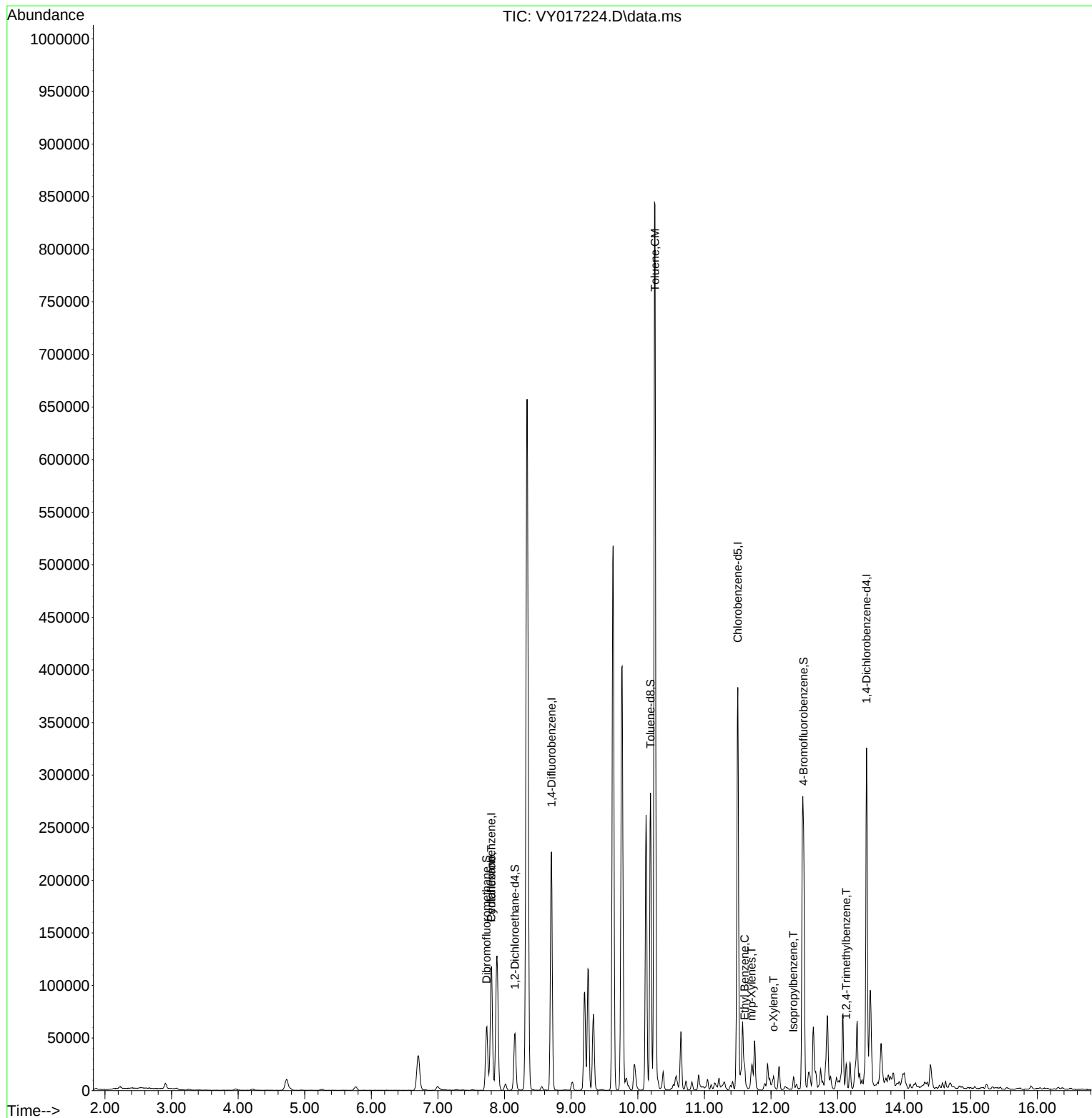
Internal Standards						
1) Pentafluorobenzene	7.801	168	90943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	197340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	195784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	40052	49.299	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.600%		
35) Dibromofluoromethane	7.728	113	43171	40.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.040%		
50) Toluene-d8	10.191	98	178611	46.040	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.080%		
62) 4-Bromofluorobenzene	12.489	95	63885	50.270	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.540%		
Target Compounds						Qvalue
31) Cyclohexane	7.801	56	3521m	2.150	ug/l	
52) Toluene	10.258	92	358020	113.008	ug/l	100
67) Ethyl Benzene	11.605	91	15592	2.284	ug/l	98
68) m/p-Xylenes	11.709	106	6546	2.527	ug/l	96
69) o-Xylene	12.038	106	2696	1.130	ug/l	96
73) Isopropylbenzene	12.337	105	7029	1.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	12792	2.830	ug/l	95

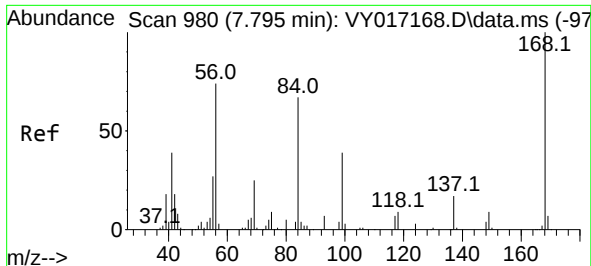
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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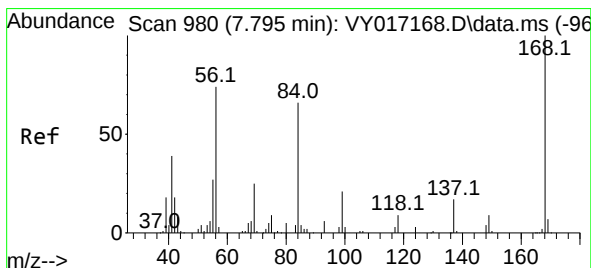
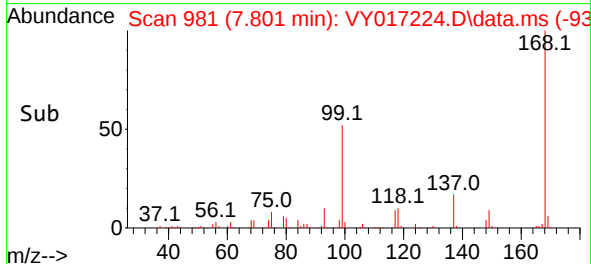
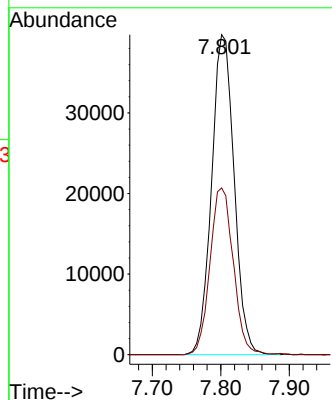
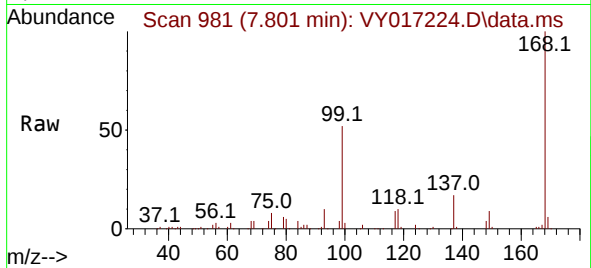




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

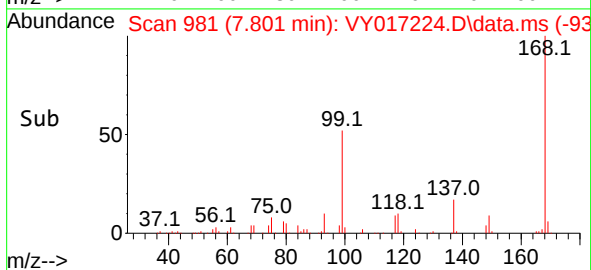
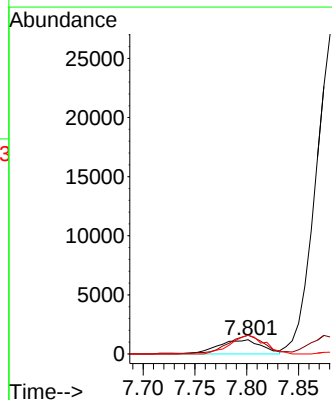
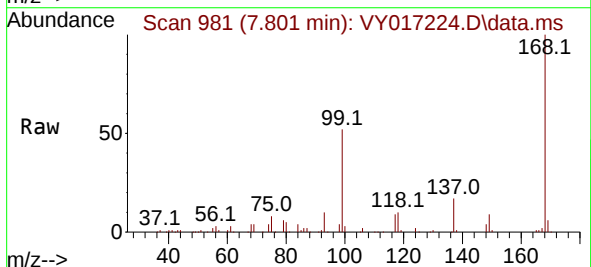
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

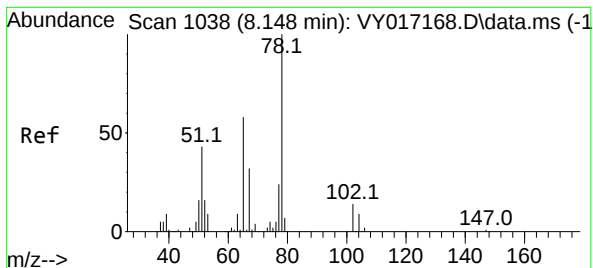
Tgt Ion:168 Resp: 90943
Ion Ratio Lower Upper
168 100
99 52.1 44.2 66.4



#31
Cyclohexane
Concen: 2.150 ug/l m
RT: 7.801 min Scan# 981
Delta R.T. 0.007 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 56 Resp: 3521
Ion Ratio Lower Upper
56 100
69 131.2 27.0 40.6#
84 131.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 49.299 ug/l

RT: 8.155 min Scan# 1109

Delta R.T. 0.007 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

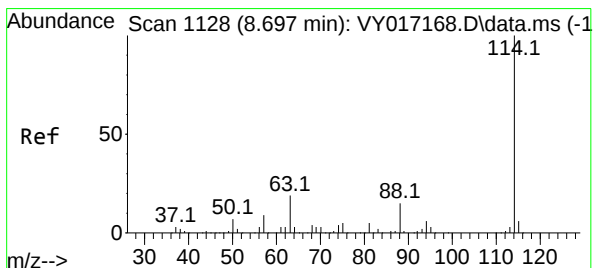
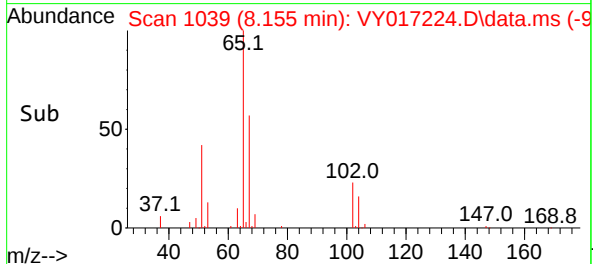
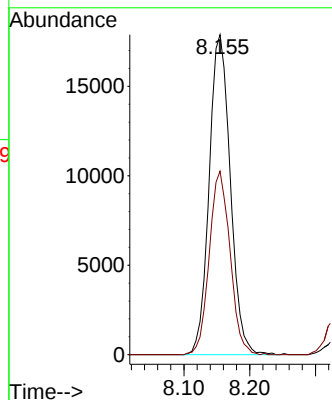
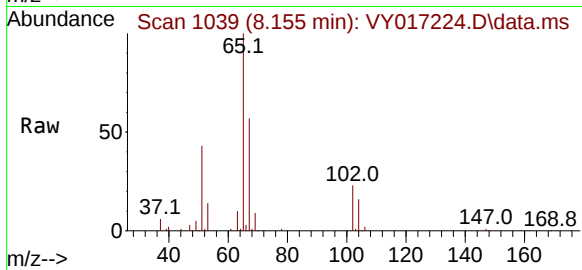
EB-1-4-6

Tgt Ion: 65 Resp: 40052

Ion Ratio Lower Upper

65 100

67 56.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.007 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

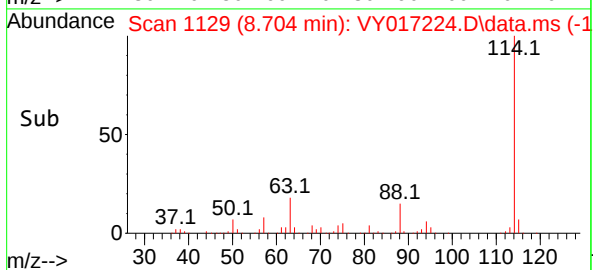
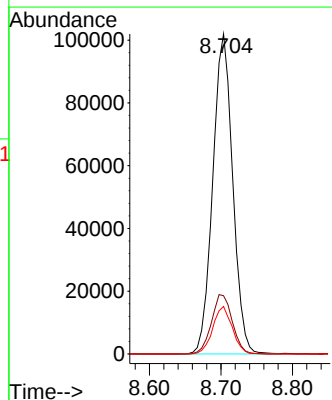
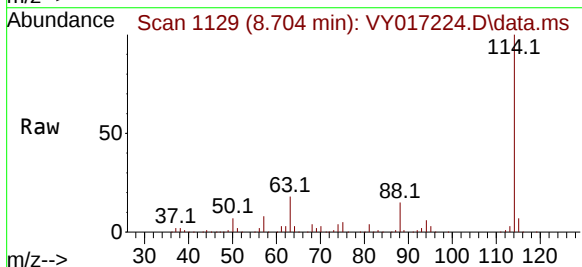
Tgt Ion: 114 Resp: 197340

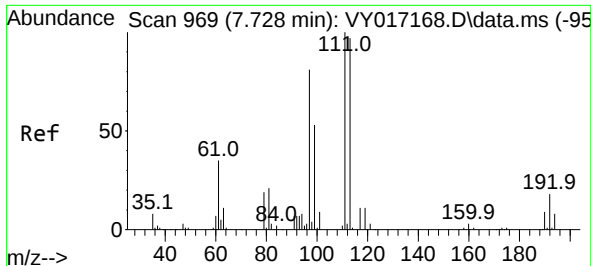
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.4

88 14.9 0.0 29.0

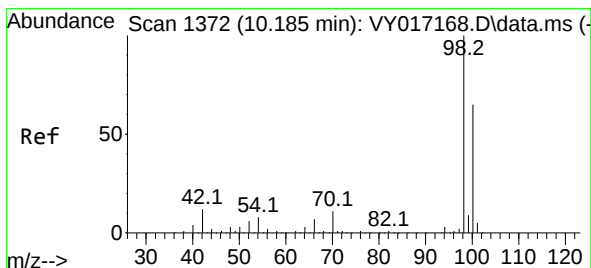
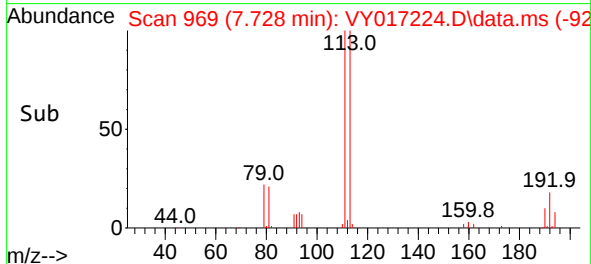
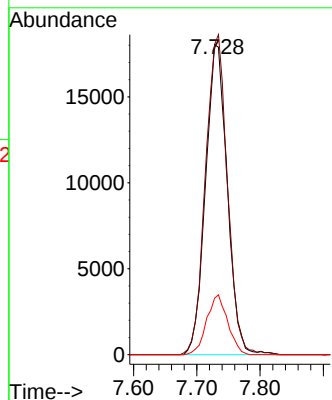
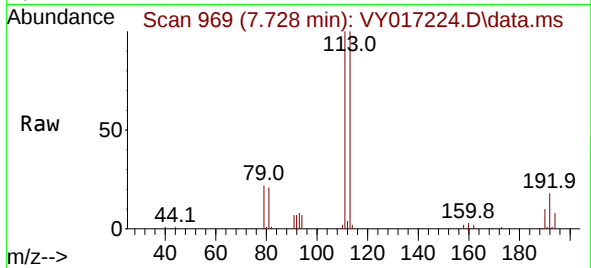




#35
 Dibromofluoromethane
 Concen: 40.517 ug/l
 RT: 7.728 min Scan# 969
 Delta R.T. 0.000 min
 Lab File: VY017224.D
 Acq: 05 Feb 2024 13:19

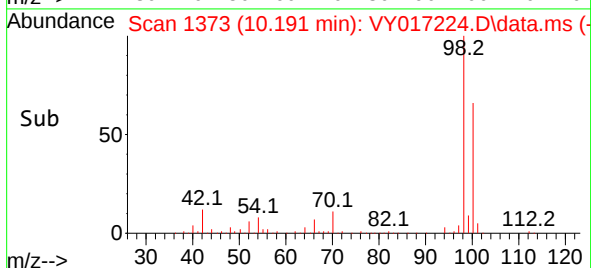
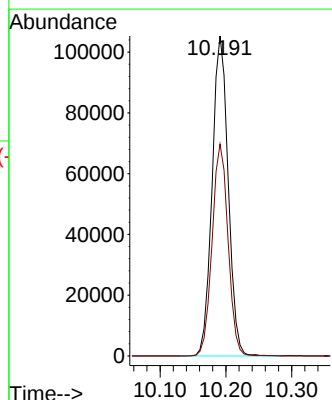
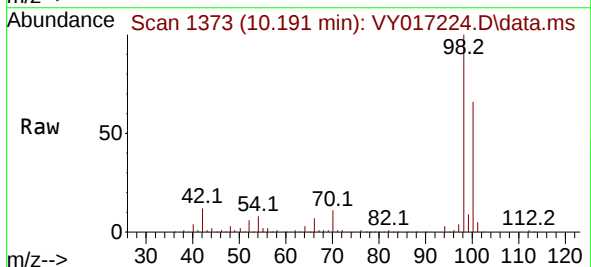
Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-1-4-6

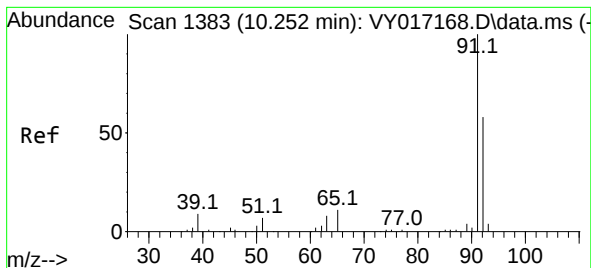
Tgt Ion:113 Resp: 43171
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.8 125.6
 192 18.6 14.5 21.7



#50
 Toluene-d8
 Concen: 46.040 ug/l
 RT: 10.191 min Scan# 1373
 Delta R.T. 0.007 min
 Lab File: VY017224.D
 Acq: 05 Feb 2024 13:19

Tgt Ion: 98 Resp: 178611
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.3 78.5





#52

Toluene

Concen: 113.008 ug/l

RT: 10.258 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

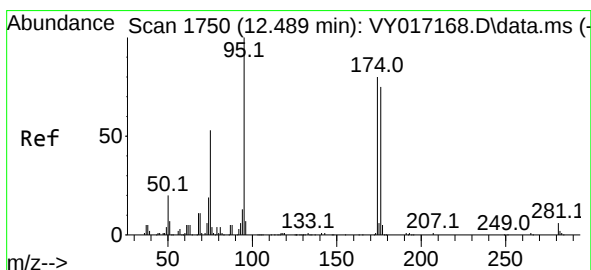
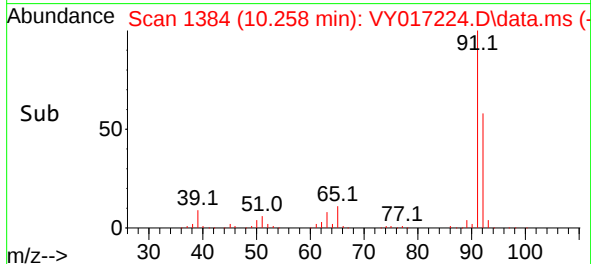
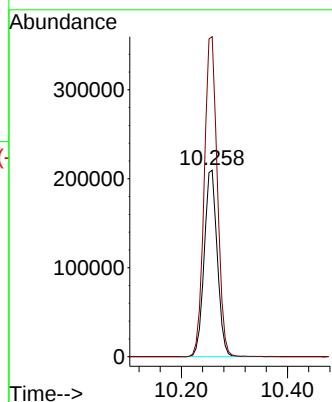
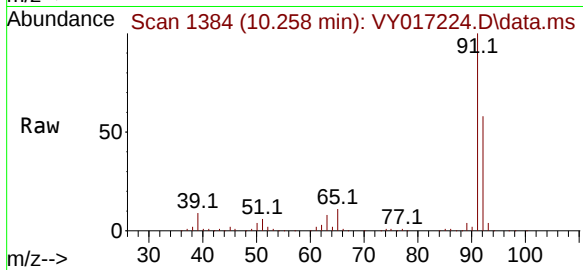
EB-1-4-6

Tgt Ion: 92 Resp: 358020

Ion Ratio Lower Upper

92 100

91 172.5 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 50.270 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

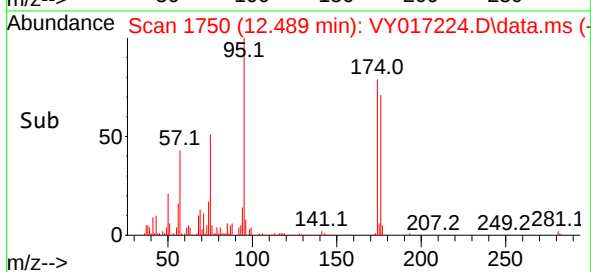
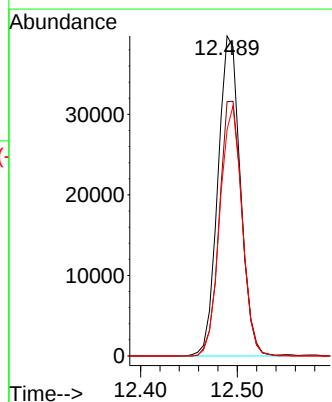
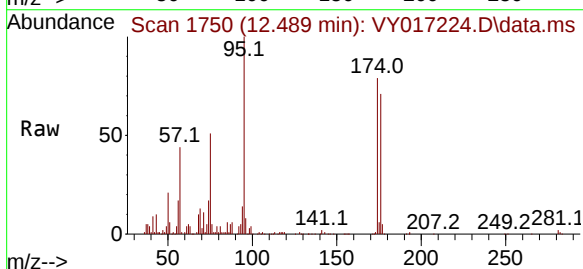
Tgt Ion: 95 Resp: 63885

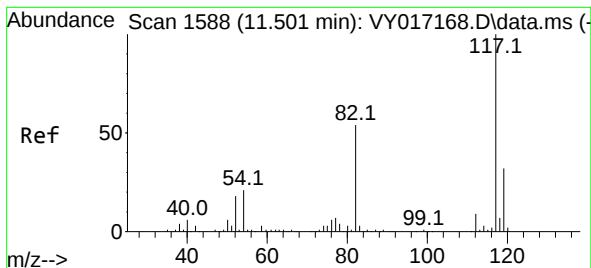
Ion Ratio Lower Upper

95 100

174 80.7 0.0 160.0

176 77.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

EB-1-4-6

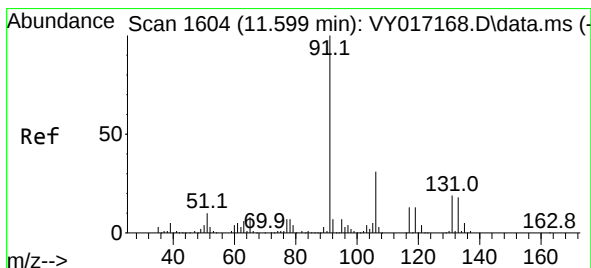
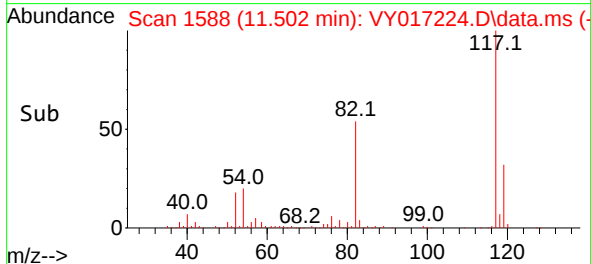
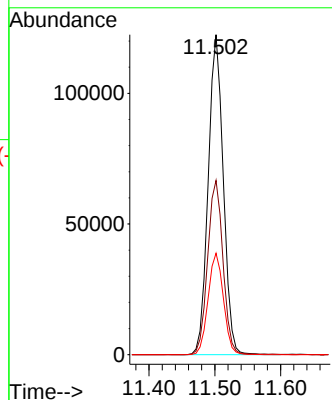
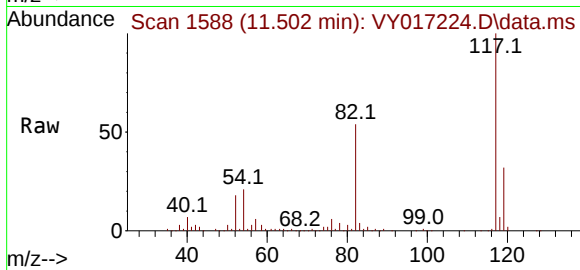
Tgt Ion:117 Resp: 195784

Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.8

119 31.7 26.5 39.7



#67

Ethyl Benzene

Concen: 2.284 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.007 min

Lab File: VY017224.D

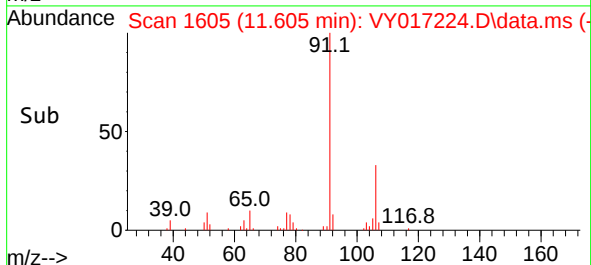
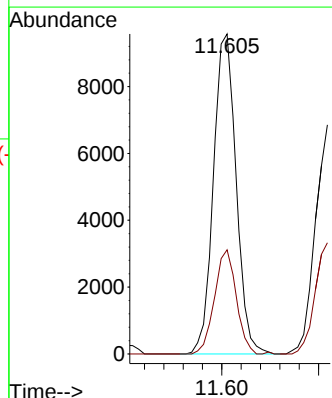
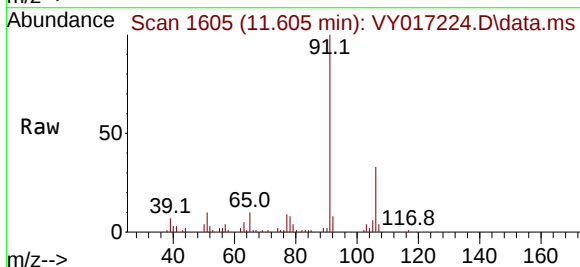
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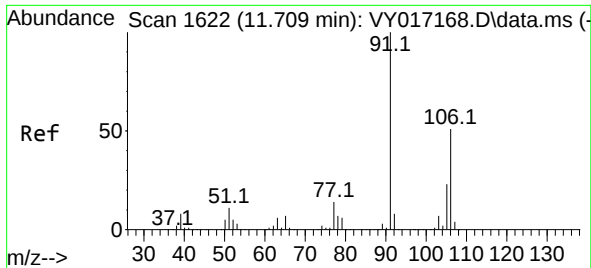
Tgt Ion: 91 Resp: 15592

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.4

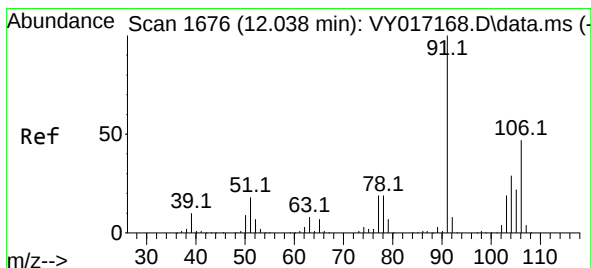
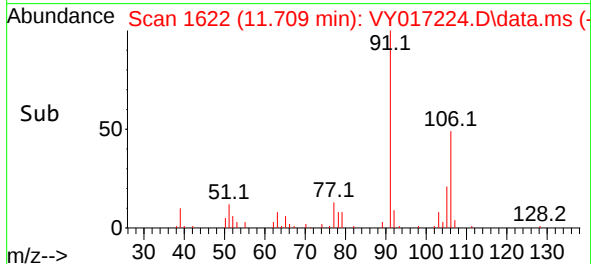
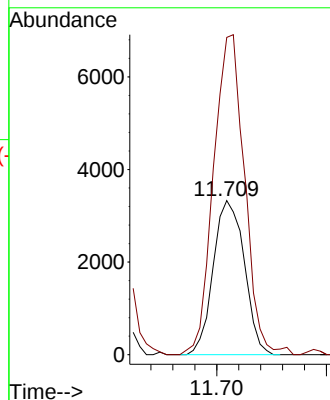
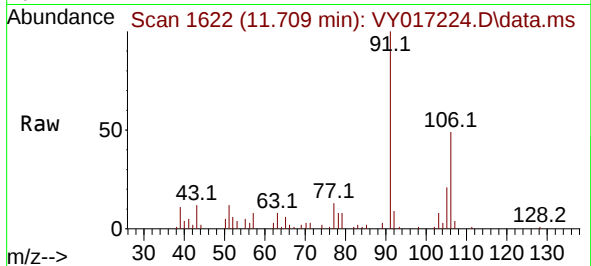




#68
m/p-Xylenes
Concen: 2.527 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

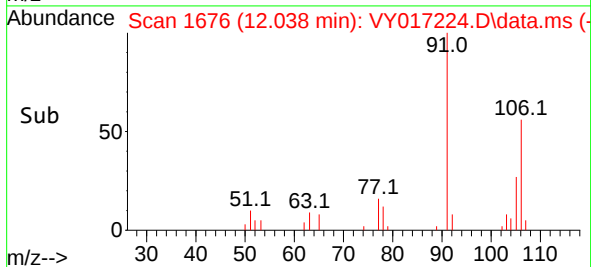
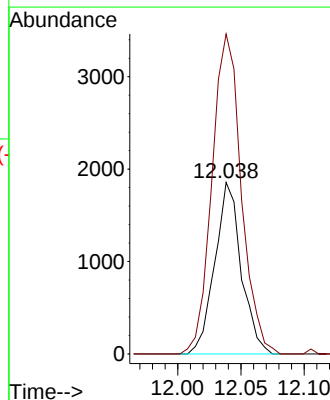
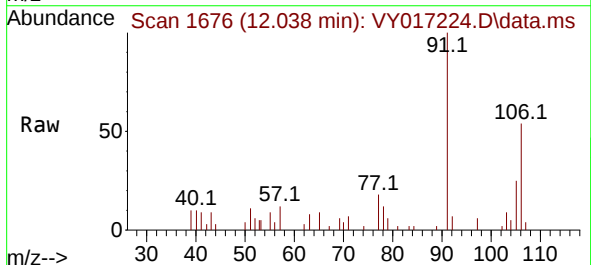
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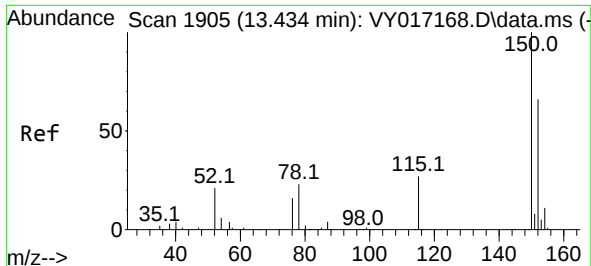
Tgt Ion:106 Resp: 6546
Ion Ratio Lower Upper
106 100
91 207.5 160.7 241.1



#69
o-Xylene
Concen: 1.130 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion:106 Resp: 2696
Ion Ratio Lower Upper
106 100
91 206.8 106.5 319.5

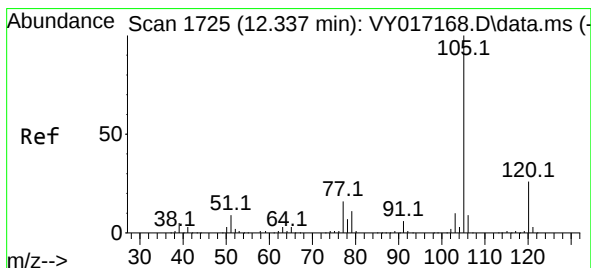
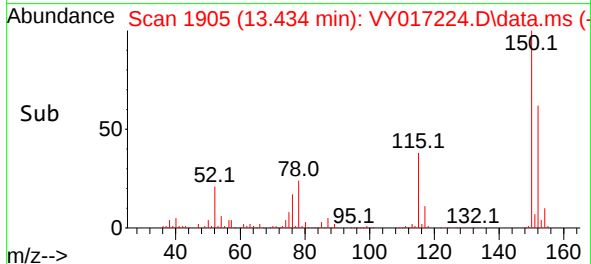
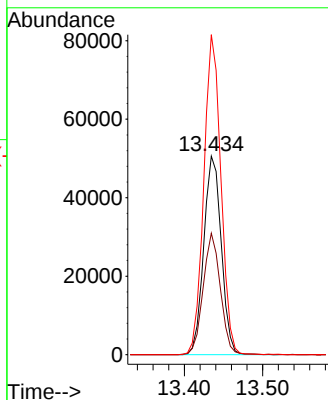
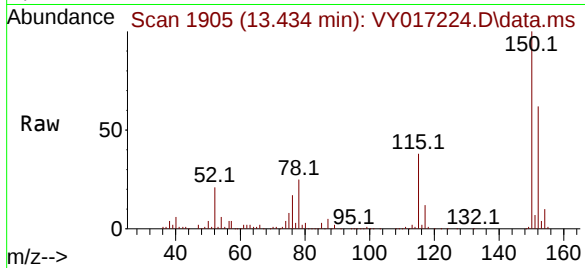




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

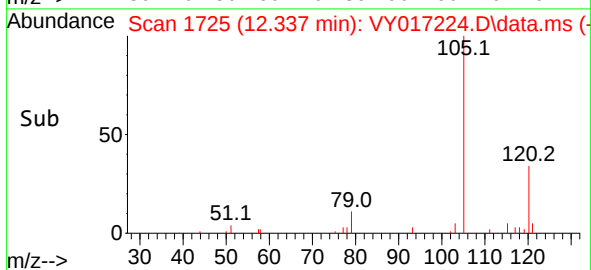
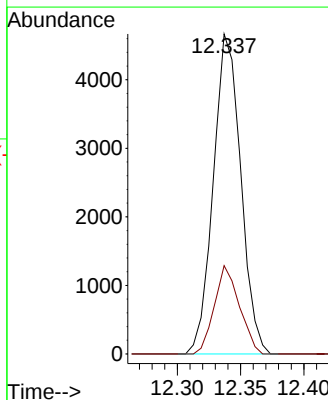
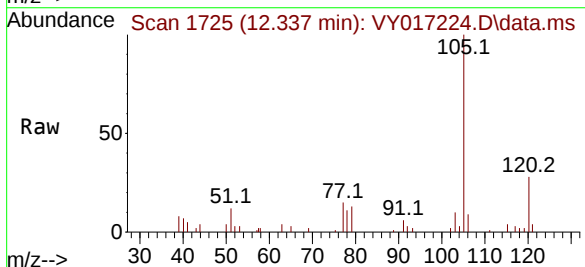
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

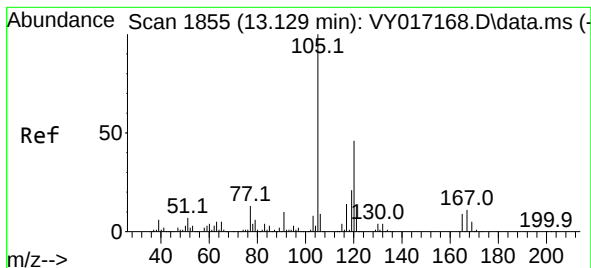
Tgt Ion:152 Resp: 78370
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.0
150 157.4 0.0 344.6



#73
Isopropylbenzene
Concen: 1.221 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion:105 Resp: 7029
Ion Ratio Lower Upper
105 100
120 25.2 13.0 39.0





#84

1,2,4-Trimethylbenzene

Concen: 2.830 ug/l

RT: 13.130 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

EB-1-4-6

Tgt Ion:105 Resp: 12792

Ion Ratio Lower Upper

105 100

120 47.5 22.1 66.3

