

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017259.D
 Acq On : 06 Feb 2024 13:05
 Operator : SY/MD
 Sample : P1334-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-020124

Quant Time: Feb 06 15:46:47 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)

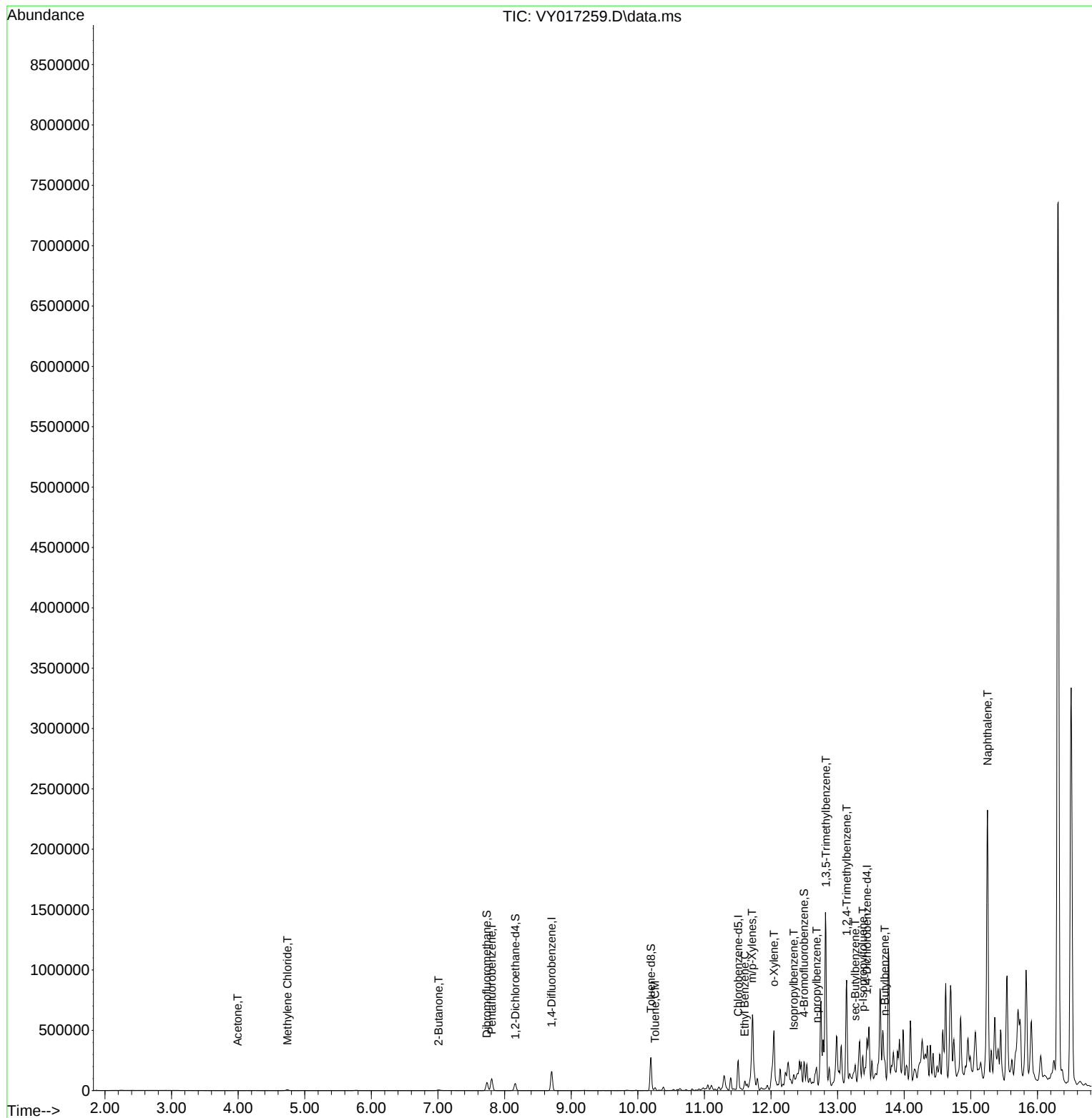
Internal Standards						
1) Pentafluorobenzene	7.807	168	74853	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	138208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	131788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	53975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	45048	67.367	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.740%			
35) Dibromofluoromethane	7.734	113	47855	64.129	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.260%			
50) Toluene-d8	10.197	98	166299	61.207	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 122.420%			
62) 4-Bromofluorobenzene	12.495	95	56360	63.323	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 126.640%			
Target Compounds					Qvalue	
16) Acetone	3.991	43	1912	9.728	ug/l #	83
20) Methylene Chloride	4.741	84	5286	3.294	ug/l	95
25) 2-Butanone	7.008	43	2511	9.611	ug/l #	77
52) Toluene	10.258	92	10078	4.542	ug/l	100
67) Ethyl Benzene	11.605	91	42123	9.168	ug/l	99
68) m/p-Xylenes	11.715	106	92566	53.087	ug/l	100
69) o-Xylene	12.044	106	108241	67.410	ug/l	98
73) Isopropylbenzene	12.343	105	36727	9.262	ug/l	100
78) n-propylbenzene	12.684	91	104377	21.433	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	178684	56.661	ug/l	97
84) 1,2,4-Trimethylbenzene	13.135	105	444586	142.827	ug/l	98
85) sec-Butylbenzene	13.263	105	57609	13.635	ug/l	85
86) p-Isopropyltoluene	13.379	119	34404	10.190	ug/l	99
89) n-Butylbenzene	13.709	91	74202	23.116	ug/l #	78
95) Naphthalene	15.251	128	1738348	653.739	ug/l	99

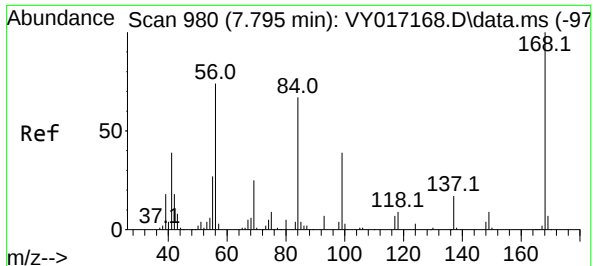
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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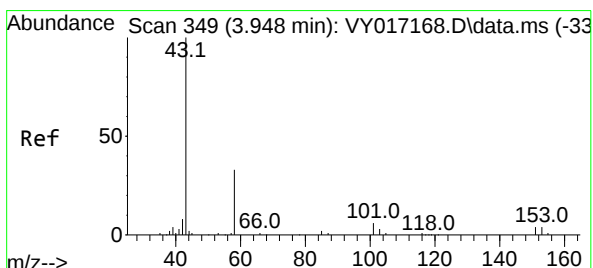
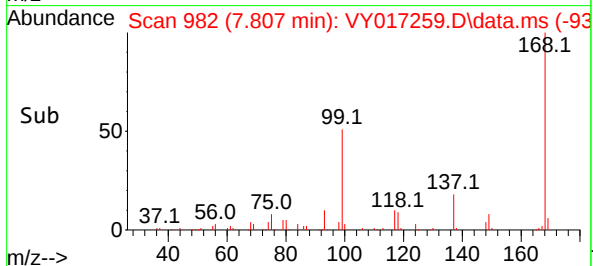
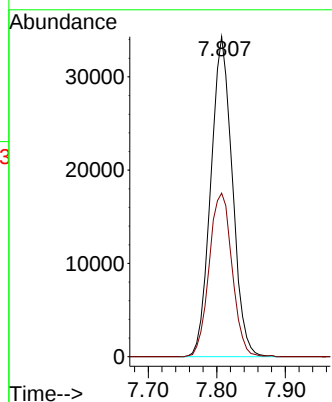
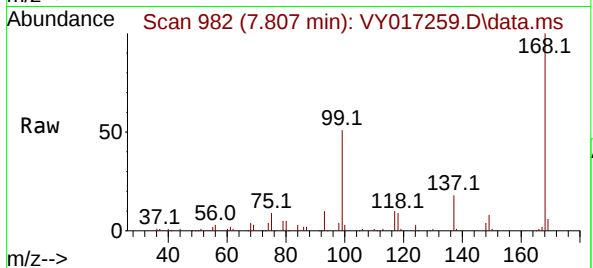




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

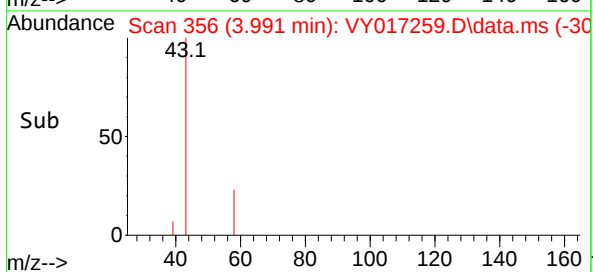
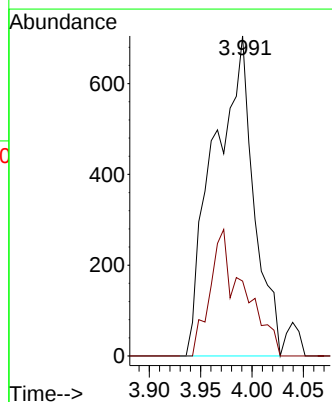
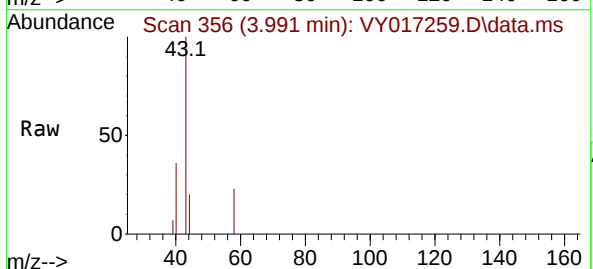
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020124

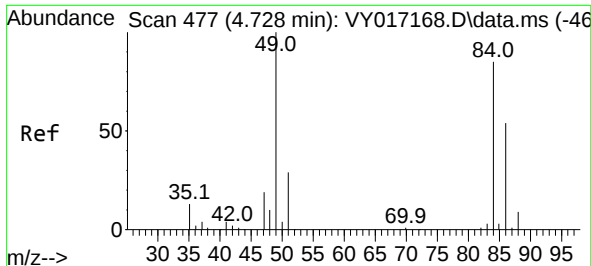
Tgt Ion:168 Resp: 74853
Ion Ratio Lower Upper
168 100
99 51.1 44.2 66.4



#16
Acetone
Concen: 9.728 ug/l
RT: 3.991 min Scan# 356
Delta R.T. 0.043 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

Tgt Ion: 43 Resp: 1912
Ion Ratio Lower Upper
43 100
58 23.4 26.6 39.8#





#20

Methylene Chloride

Concen: 3.294 ug/l

RT: 4.741 min Scan# 41

Delta R.T. 0.013 min

Lab File: VY017259.D

Acq: 06 Feb 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-020124

Tgt Ion: 84 Resp: 5286

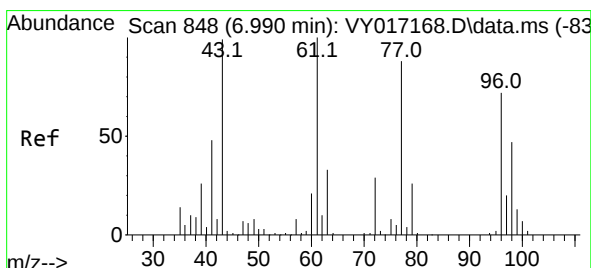
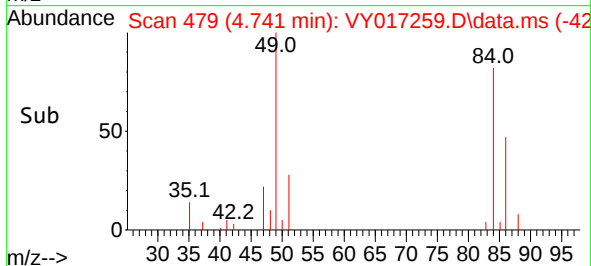
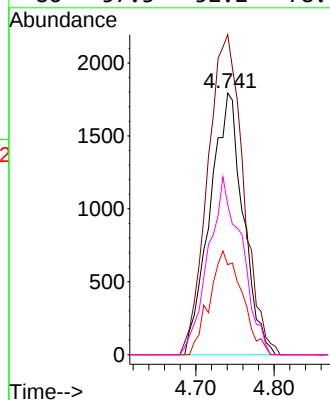
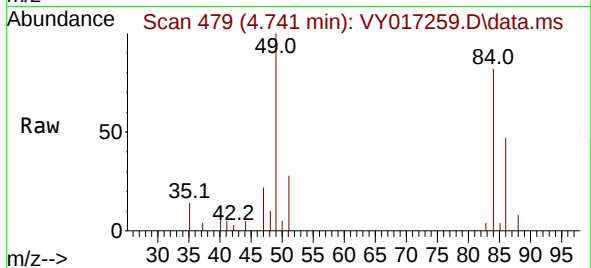
Ion Ratio Lower Upper

84 100

49 122.3 95.2 142.8

51 34.4 29.9 44.9

86 57.3 52.2 78.4



#25

2-Butanone

Concen: 9.611 ug/l

RT: 7.008 min Scan# 851

Delta R.T. 0.019 min

Lab File: VY017259.D

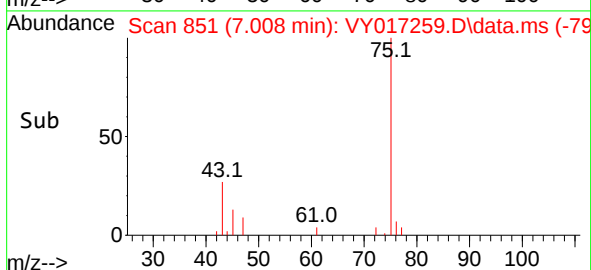
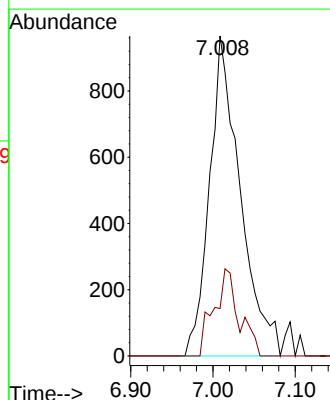
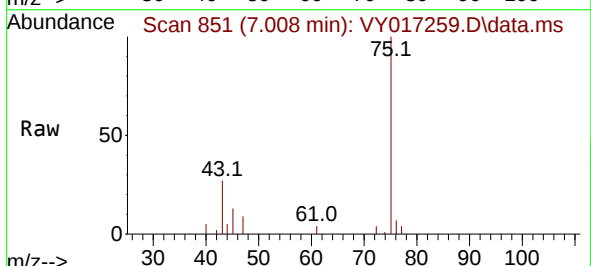
Acq: 06 Feb 2024 13:05

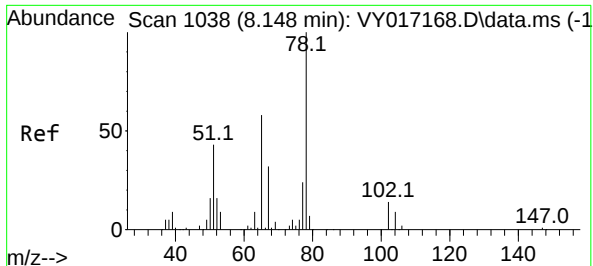
Tgt Ion: 43 Resp: 2511

Ion Ratio Lower Upper

43 100

72 14.8 21.4 32.2#

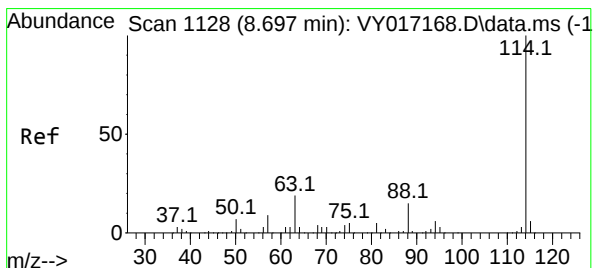
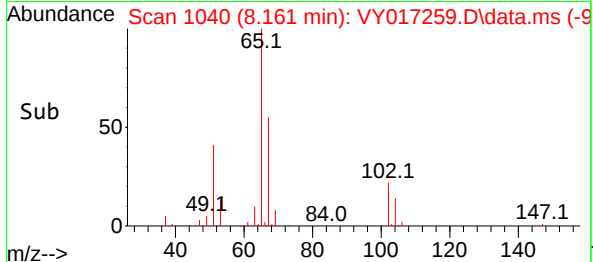
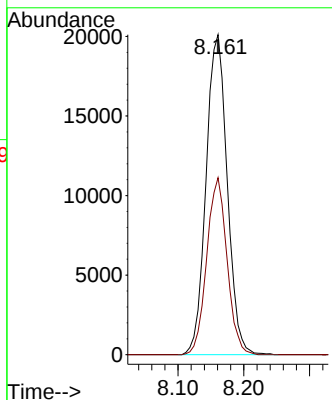
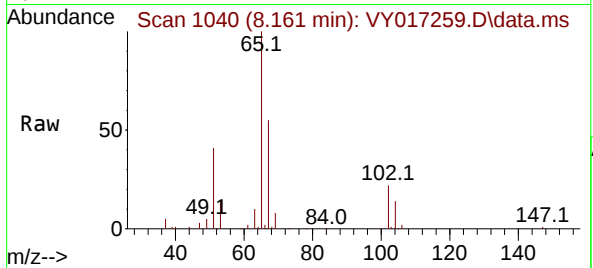




#33
 1,2-Dichloroethane-d4
 Concen: 67.367 ug/l
 RT: 8.161 min Scan# 1040
 Delta R.T. 0.012 min
 Lab File: VY017259.D
 Acq: 06 Feb 2024 13:05

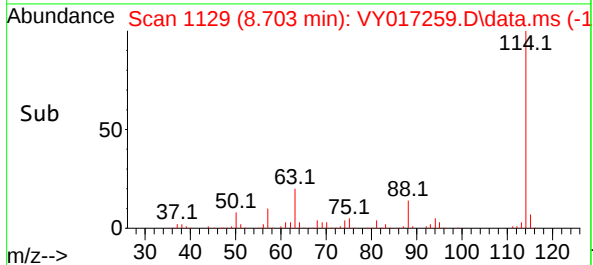
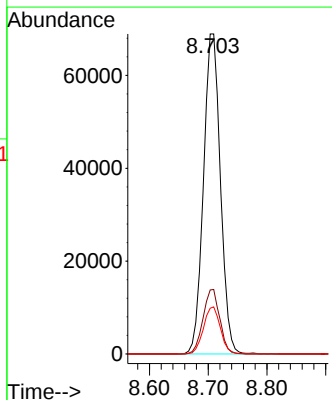
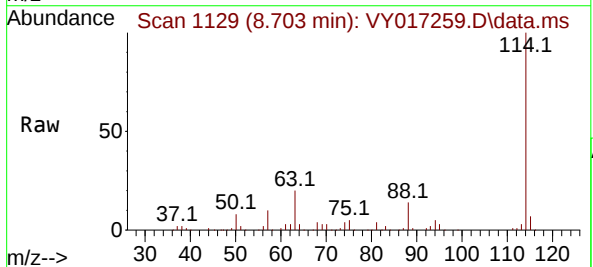
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-020124

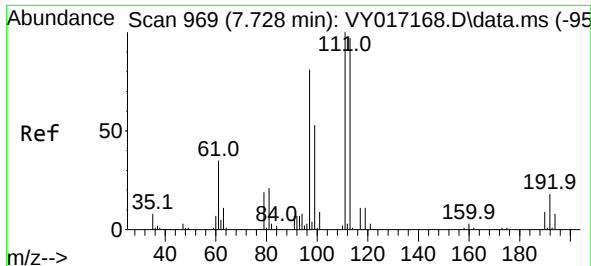
Tgt Ion: 65 Resp: 45048
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY017259.D
 Acq: 06 Feb 2024 13:05

Tgt Ion: 114 Resp: 138208
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.4
 88 14.3 0.0 29.0

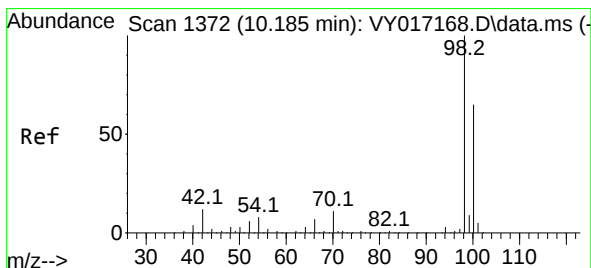
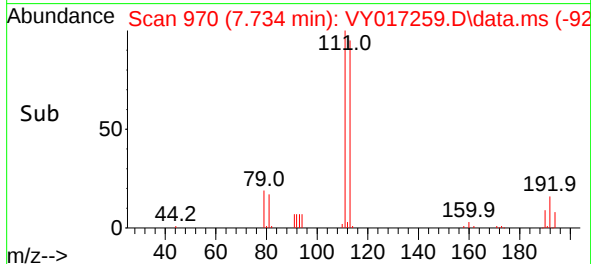
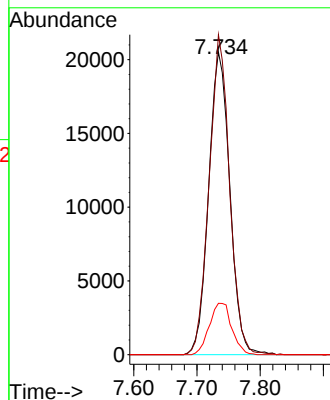
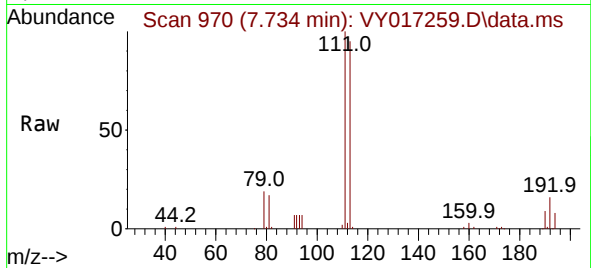




#35
Dibromofluoromethane
Concen: 64.129 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

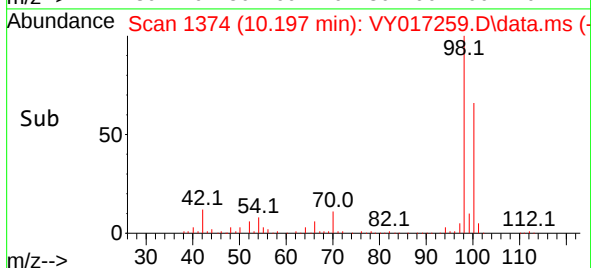
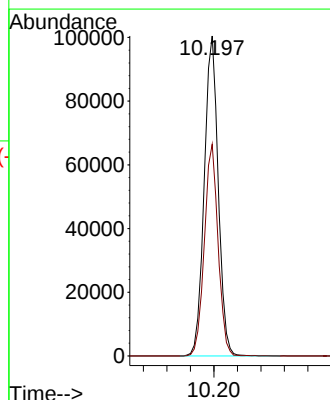
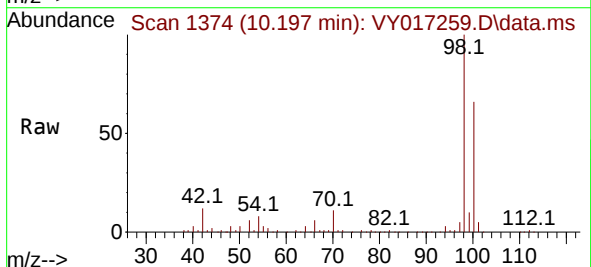
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020124

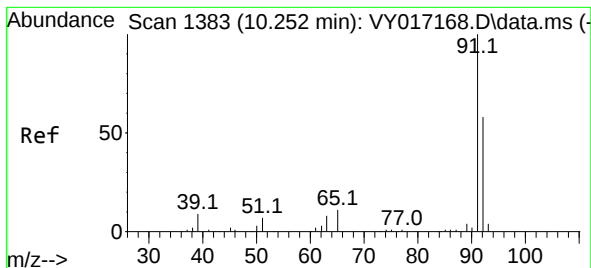
Tgt Ion:113 Resp: 47855
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.6
192 17.9 14.5 21.7



#50
Toluene-d8
Concen: 61.207 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

Tgt Ion: 98 Resp: 166299
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5





#52

Toluene

Concen: 4.542 ug/l

RT: 10.258 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017259.D

Acq: 06 Feb 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

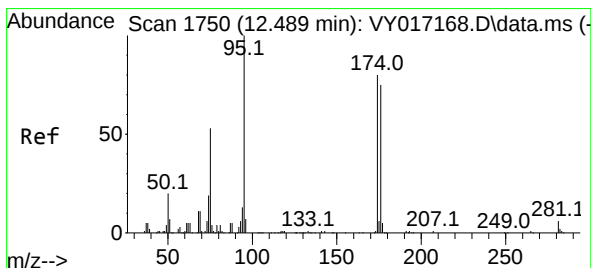
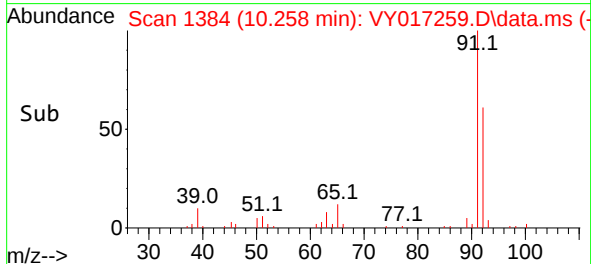
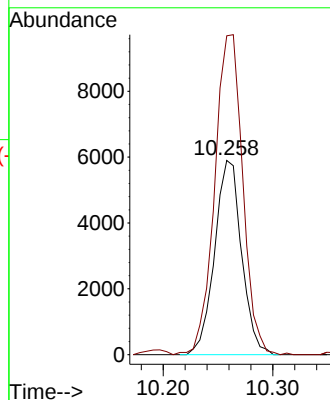
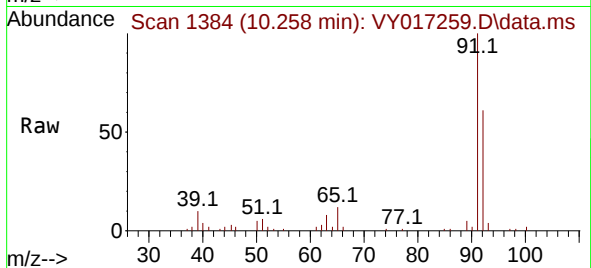
HR-04-020124

Tgt Ion: 92 Resp: 10078

Ion Ratio Lower Upper

92 100

91 171.5 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 63.323 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY017259.D

Acq: 06 Feb 2024 13:05

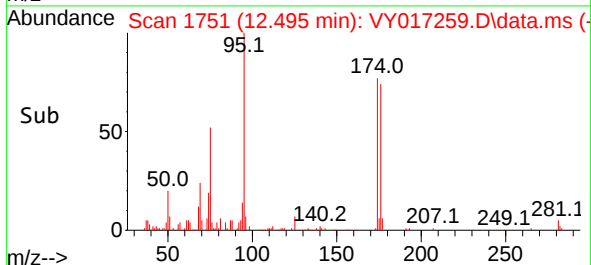
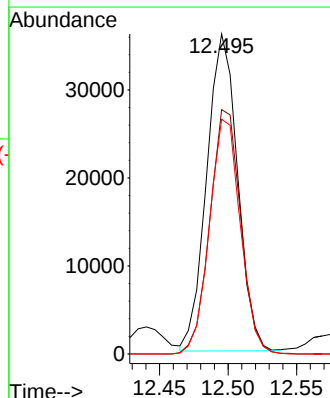
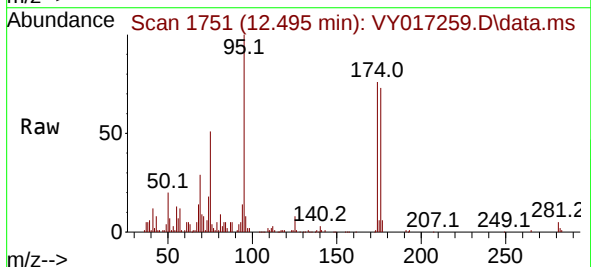
Tgt Ion: 95 Resp: 56360

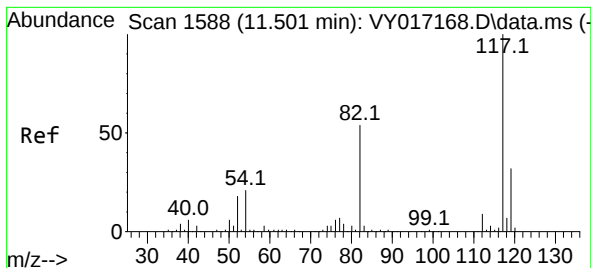
Ion Ratio Lower Upper

95 100

174 77.2 0.0 160.0

176 74.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017259.D

Acq: 06 Feb 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-020124

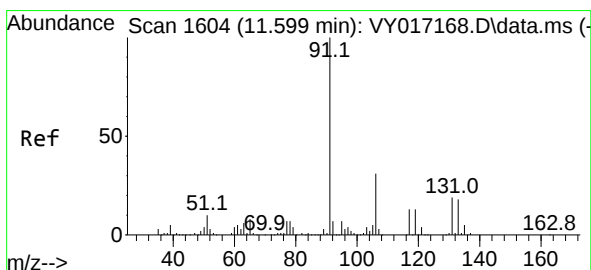
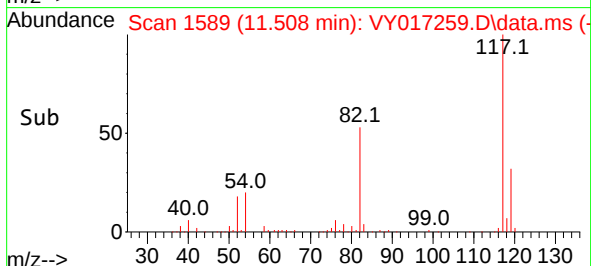
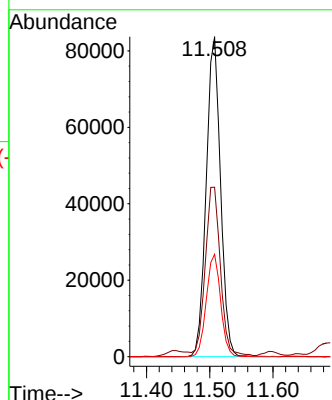
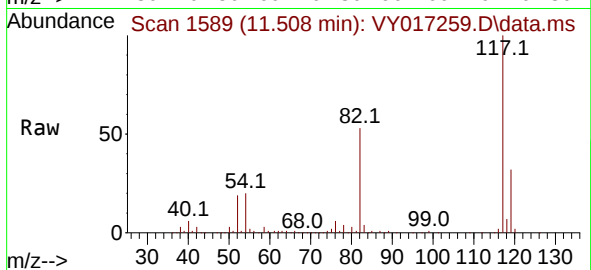
Tgt Ion:117 Resp: 131788

Ion Ratio Lower Upper

117 100

82 52.2 43.8 65.8

119 32.0 26.5 39.7



#67

Ethyl Benzene

Concen: 9.168 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.006 min

Lab File: VY017259.D

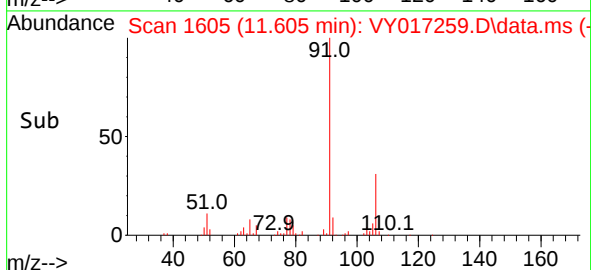
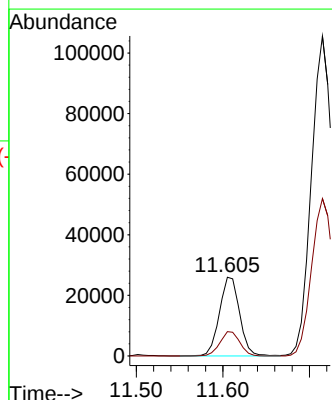
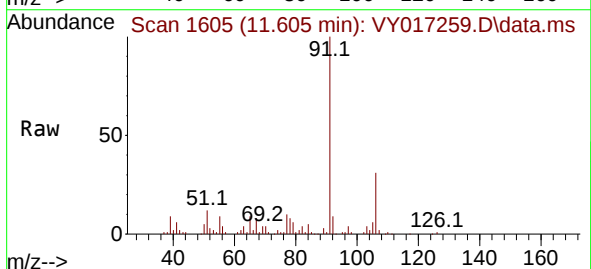
Acq: 06 Feb 2024 13:05

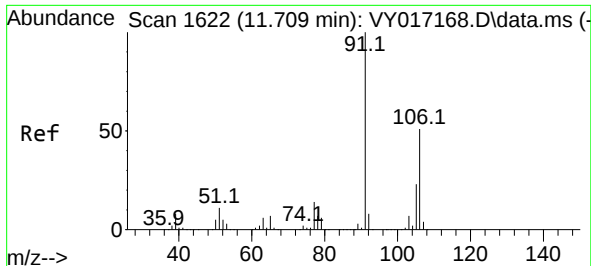
Tgt Ion: 91 Resp: 42123

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4

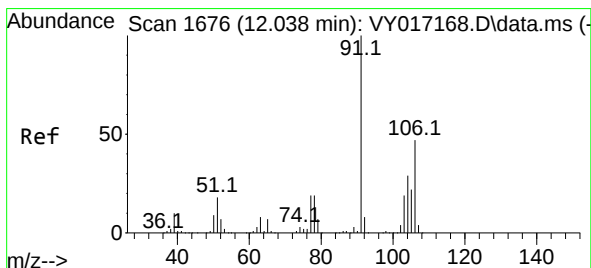
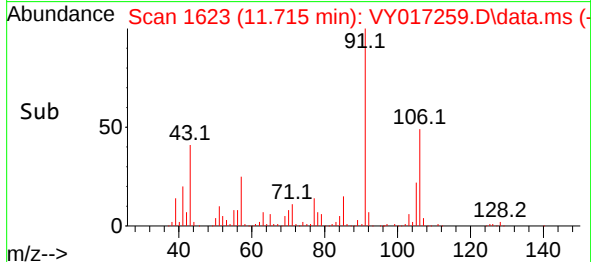
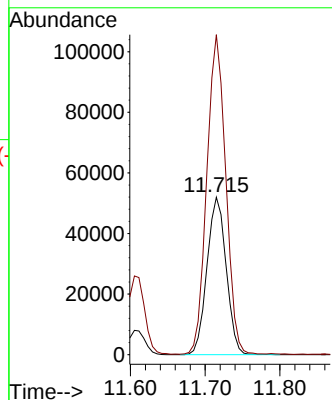
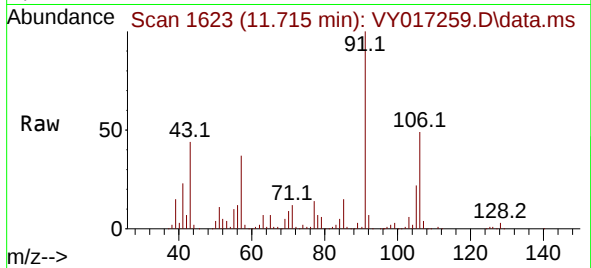




#68
m/p-Xylenes
Concen: 53.087 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

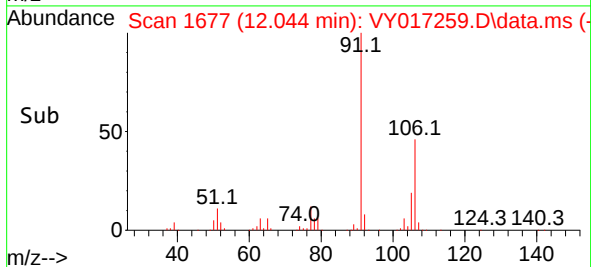
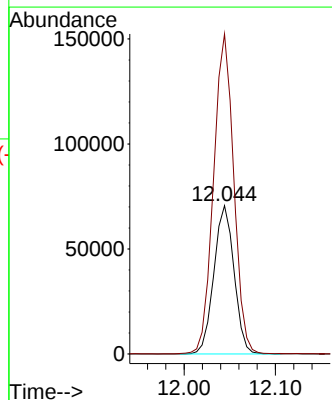
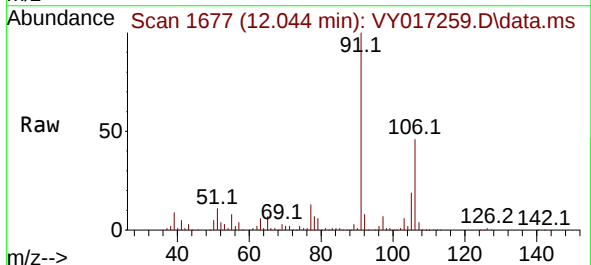
Instrument :
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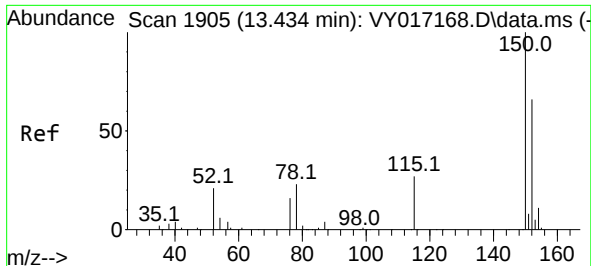
Tgt Ion:106 Resp: 92566
Ion Ratio Lower Upper
106 100
91 200.3 160.7 241.1



#69
o-Xylene
Concen: 67.410 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

Tgt Ion:106 Resp: 108241
Ion Ratio Lower Upper
106 100
91 216.5 106.5 319.5

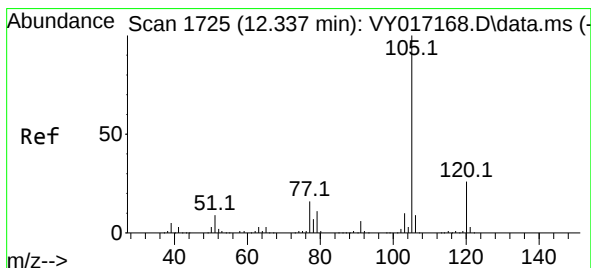
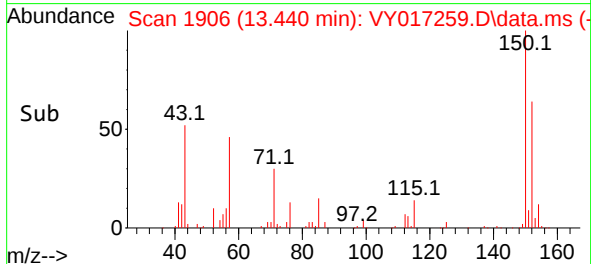
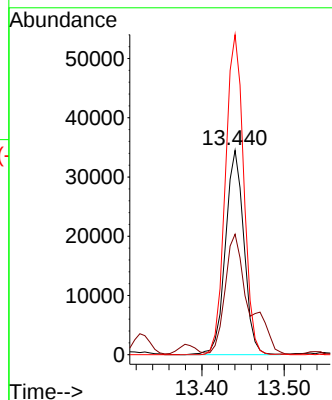
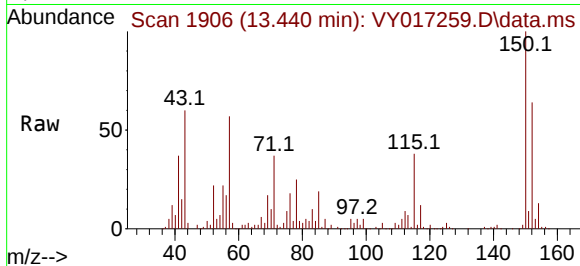




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.440 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY017259.D
 Acq: 06 Feb 2024 13:05

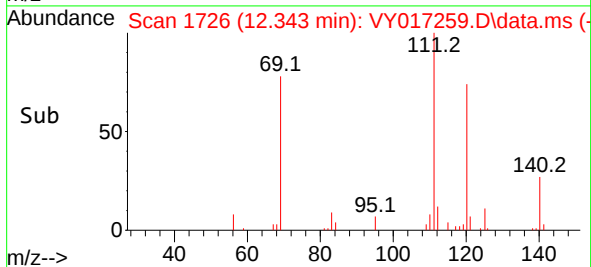
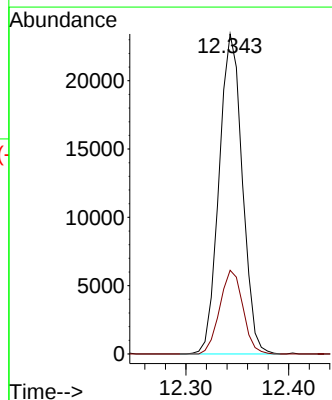
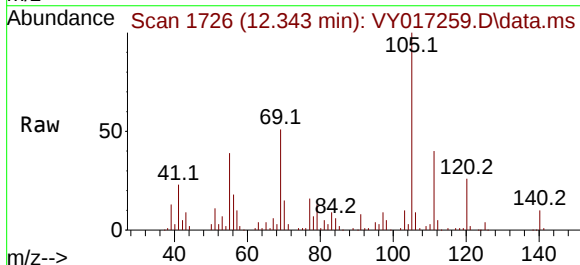
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-020124

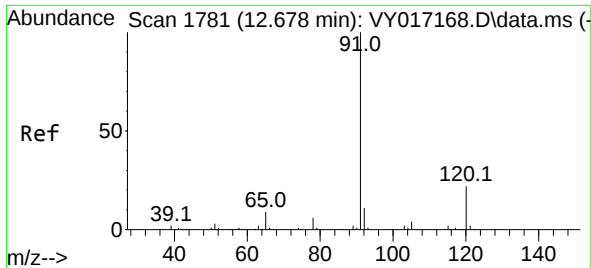
Tgt Ion:152 Resp: 53975
 Ion Ratio Lower Upper
 152 100
 115 75.7 30.0 90.0
 150 155.4 0.0 344.6



#73
 Isopropylbenzene
 Concen: 9.262 ug/l
 RT: 12.343 min Scan# 1726
 Delta R.T. 0.006 min
 Lab File: VY017259.D
 Acq: 06 Feb 2024 13:05

Tgt Ion:105 Resp: 36727
 Ion Ratio Lower Upper
 105 100
 120 26.0 13.0 39.0

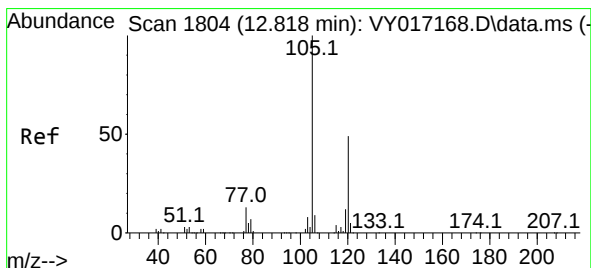
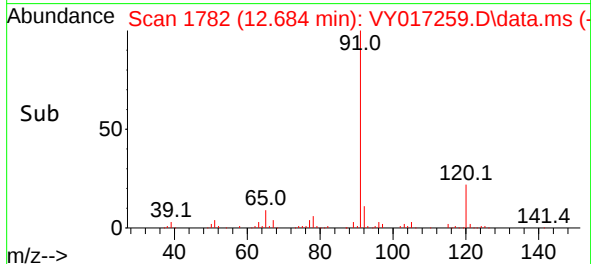
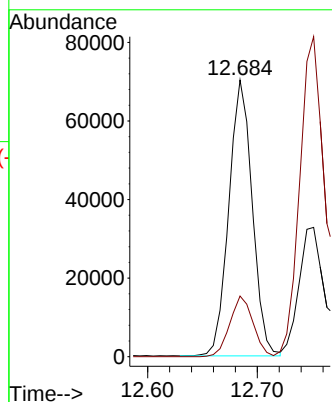
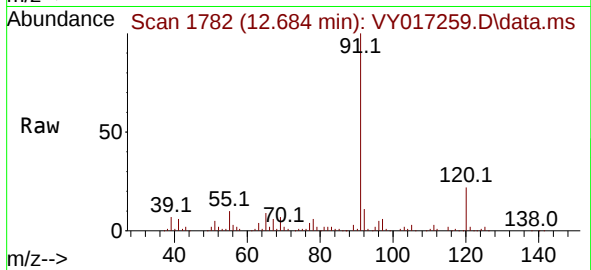




#78
n-propylbenzene
Concen: 21.433 ug/l
RT: 12.684 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

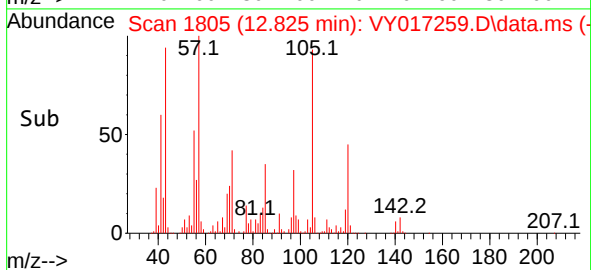
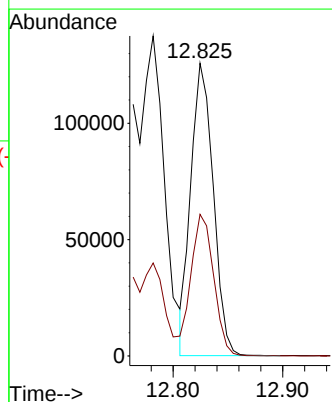
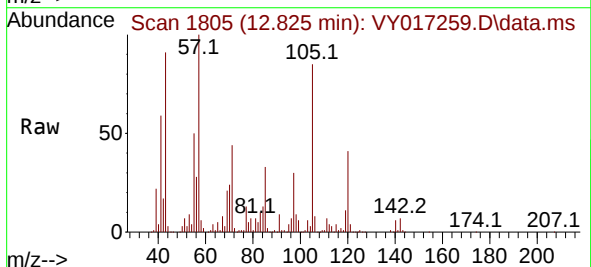
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-020124

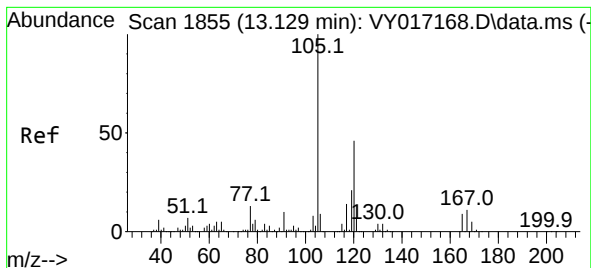
Tgt Ion: 91 Resp: 104377
Ion Ratio Lower Upper
91 100
120 21.8 11.0 33.0



#80
1,3,5-Trimethylbenzene
Concen: 56.661 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VY017259.D
Acq: 06 Feb 2024 13:05

Tgt Ion: 105 Resp: 178684
Ion Ratio Lower Upper
105 100
120 50.3 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 142.827 ug/l

RT: 13.135 min Scan# 1855

Delta R.T. 0.006 min

Lab File: VY017259.D

Acq: 06 Feb 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

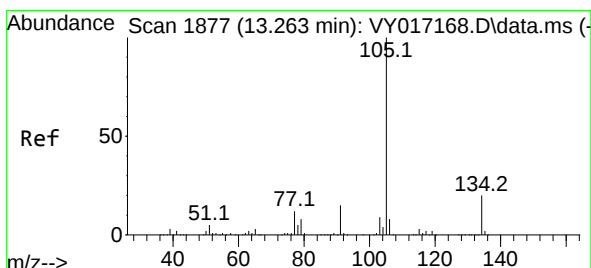
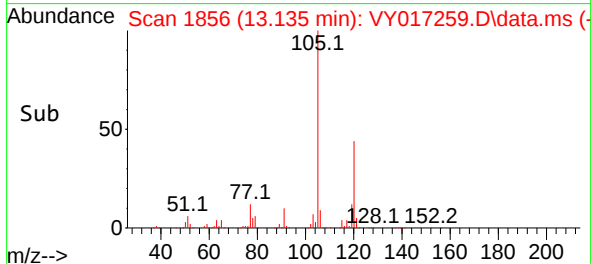
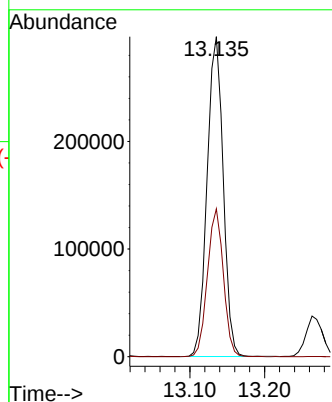
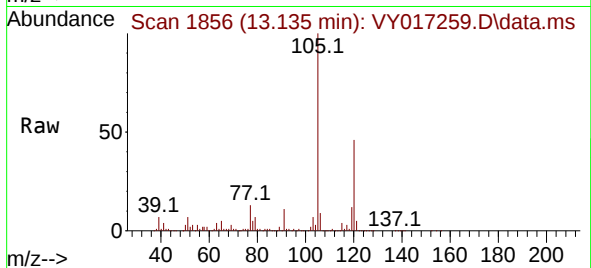
HR-04-020124

Tgt Ion:105 Resp: 444586

Ion Ratio Lower Upper

105 100

120 45.8 22.1 66.3



#85

sec-Butylbenzene

Concen: 13.635 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VY017259.D

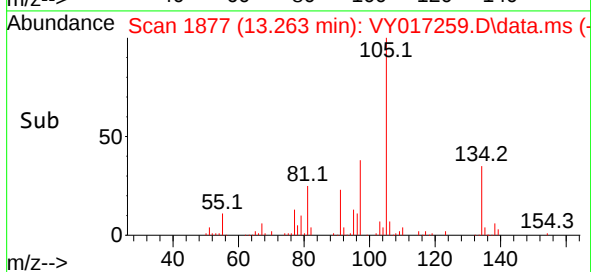
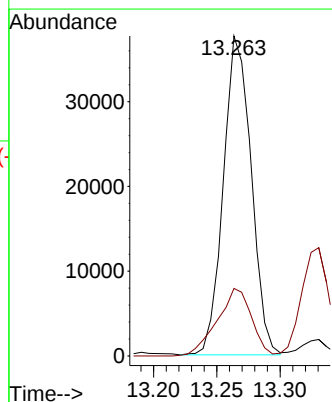
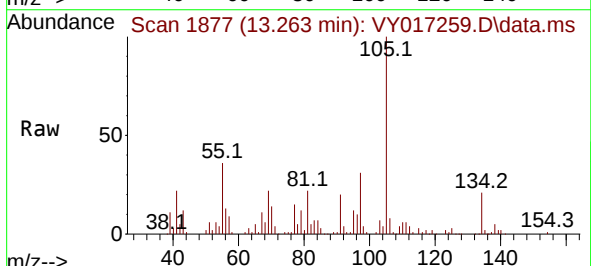
Acq: 06 Feb 2024 13:05

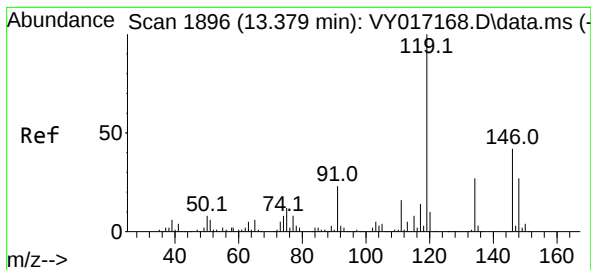
Tgt Ion:105 Resp: 57609

Ion Ratio Lower Upper

105 100

134 26.1 9.7 28.9





#86

p-Isopropyltoluene

Concen: 10.190 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017259.D

Acq: 06 Feb 2024 13:05

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-020124

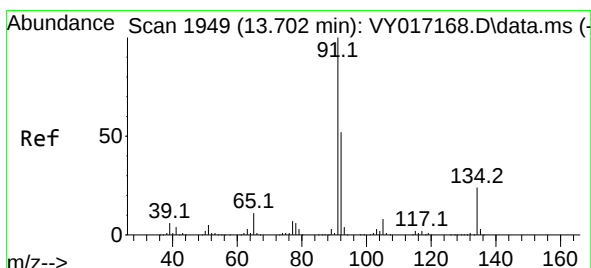
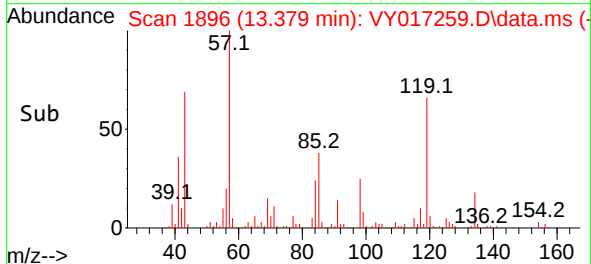
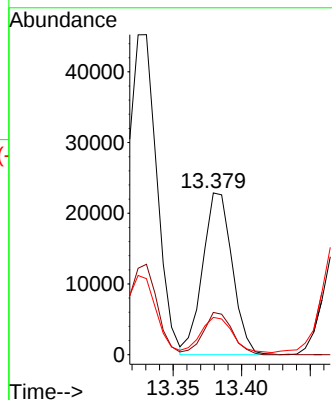
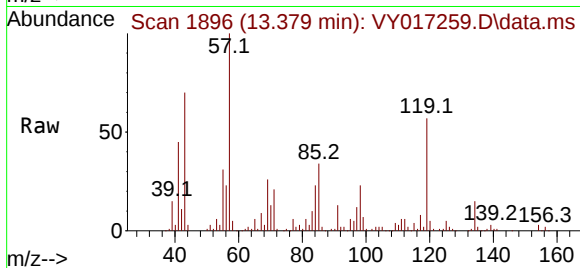
Tgt Ion:119 Resp: 34404

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.1

91 23.1 11.7 35.0



#89

n-Butylbenzene

Concen: 23.116 ug/l

RT: 13.709 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VY017259.D

Acq: 06 Feb 2024 13:05

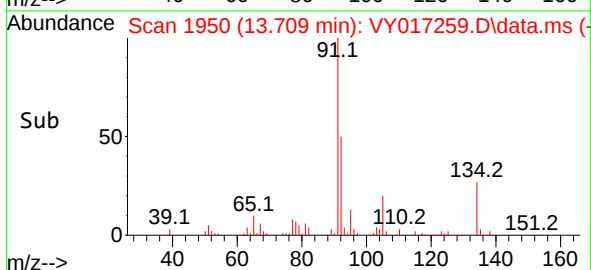
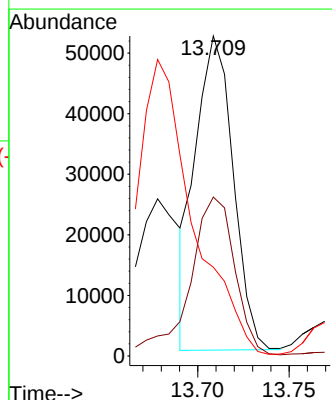
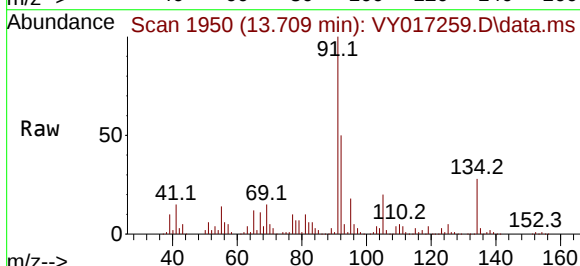
Tgt Ion: 91 Resp: 74202

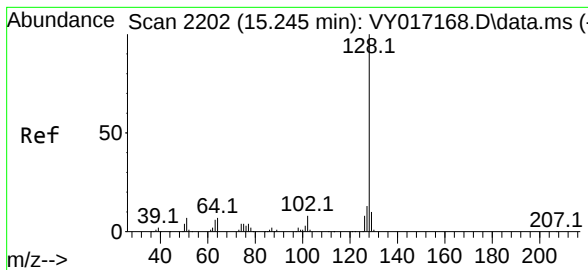
Ion Ratio Lower Upper

91 100

92 59.6 26.4 79.2

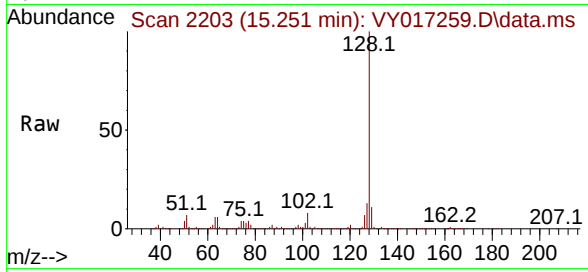
134 0.0 12.3 36.8#





#95
 Naphthalene
 Concen: 653.739 ug/l
 RT: 15.251 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY017259.D
 Acq: 06 Feb 2024 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-020124



Tgt Ion:128 Resp: 1738348

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.1	8.6	12.8

