

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017284.D
 Acq On : 07 Feb 2024 13:16
 Operator : SY/MD
 Sample : P1358-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2302

Quant Time: Feb 07 14:11:53 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)

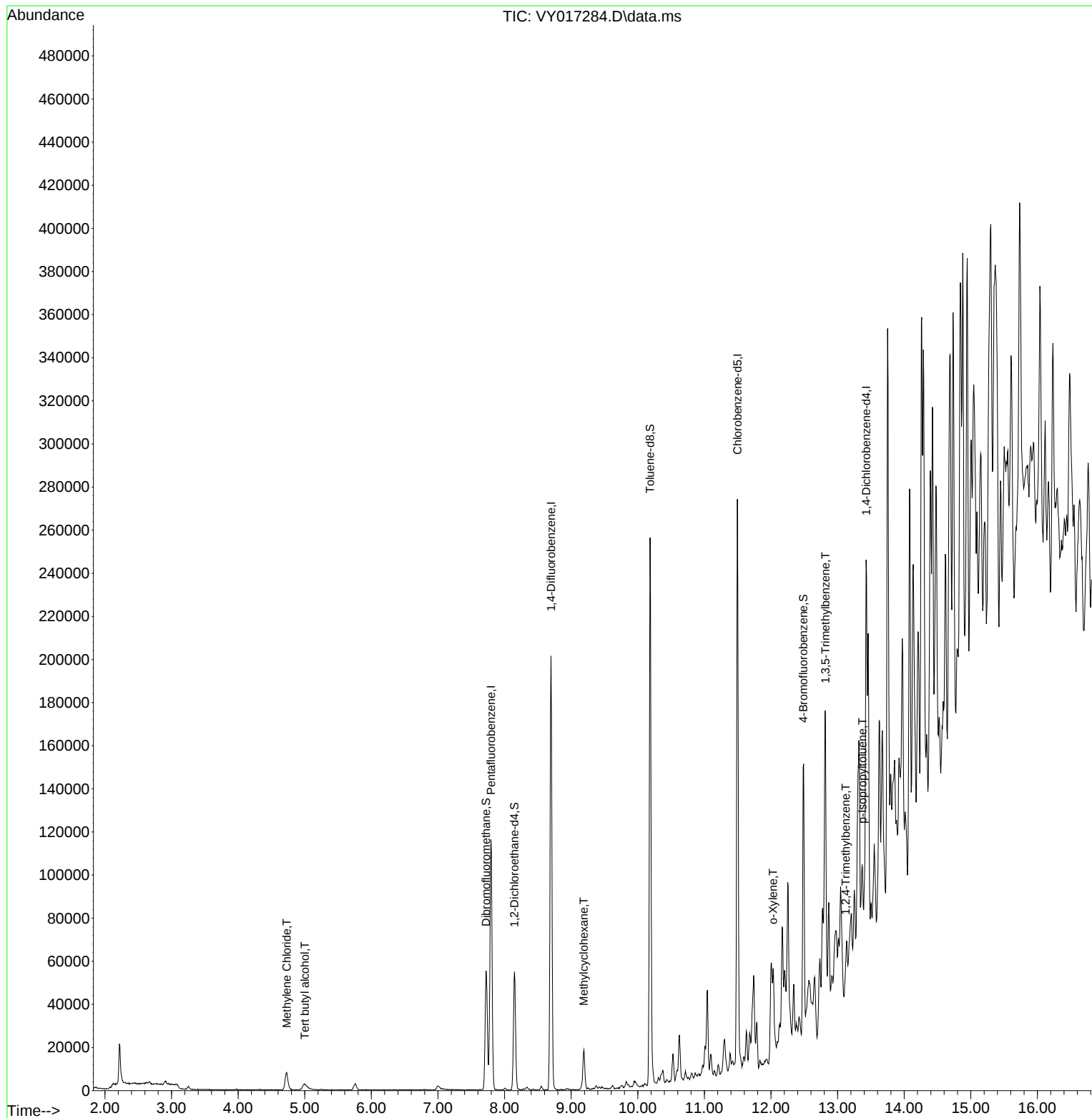
Internal Standards						
1) Pentafluorobenzene	7.795	168	85213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	166032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	136829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	40260	52.887	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.780%	
35) Dibromofluoromethane	7.722	113	39745	44.335	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.680%	
50) Toluene-d8	10.185	98	147970	45.334	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.660%	
62) 4-Bromofluorobenzene	12.483	95	37772	35.327	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.003	59	8049m	116.840	ug/l	
20) Methylene Chloride	4.729	84	5914	3.173	ug/l	# 87
39) Methylcyclohexane	9.191	83	6997	3.873	ug/l	99
69) o-Xylene	12.032	106	6270	3.761	ug/l	95
80) 1,3,5-Trimethylbenzene	12.819	105	21514	9.354	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	4358	1.920	ug/l	89
86) p-Isopropyltoluene	13.373	119	13580	5.515	ug/l	97

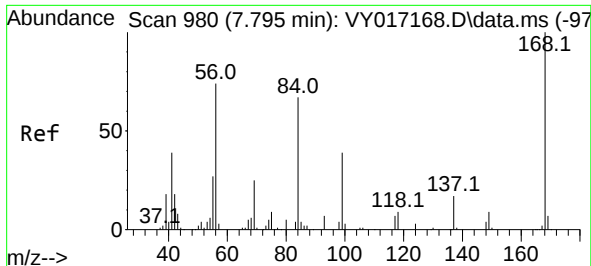
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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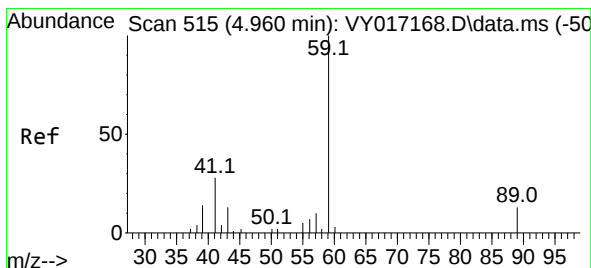
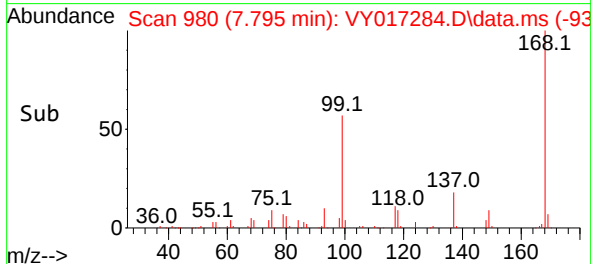
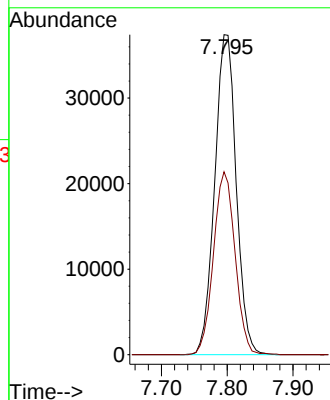
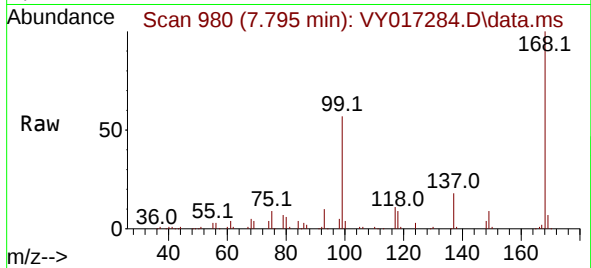




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017284.D
Acq: 07 Feb 2024 13:16

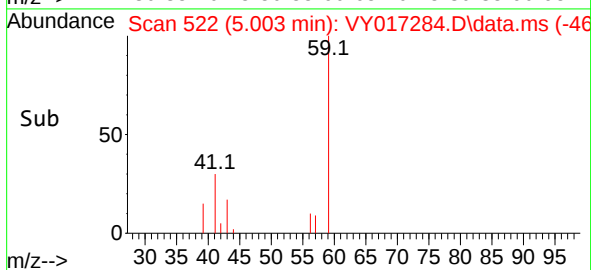
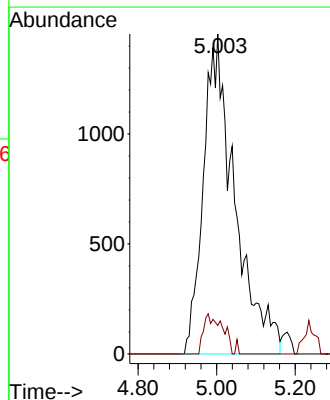
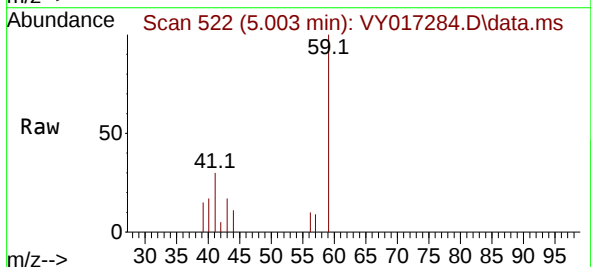
Instrument :
MSVOA_Y
ClientSampleId :
RT2302

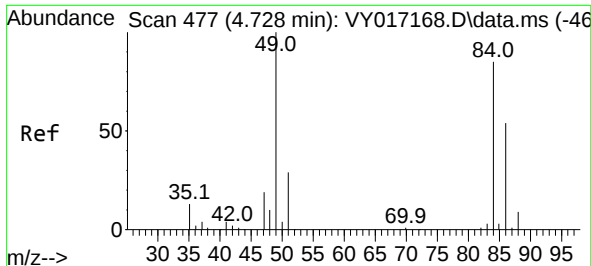
Tgt Ion:168 Resp: 85213
Ion Ratio Lower Upper
168 100
99 57.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 116.840 ug/l m
RT: 5.003 min Scan# 522
Delta R.T. 0.043 min
Lab File: VY017284.D
Acq: 07 Feb 2024 13:16

Tgt Ion: 59 Resp: 8049
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#20

Methylene Chloride

Concen: 3.173 ug/l

RT: 4.729 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

RT2302

Tgt Ion: 84 Resp: 5914

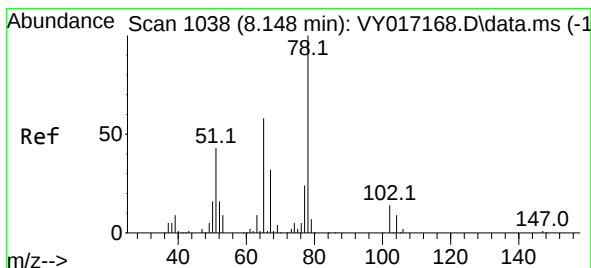
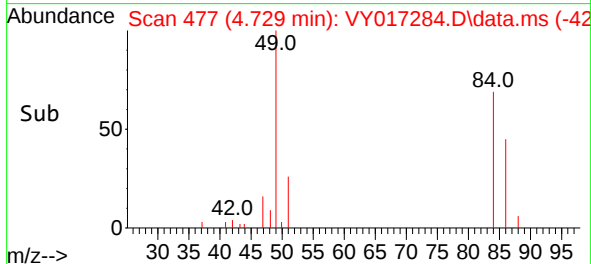
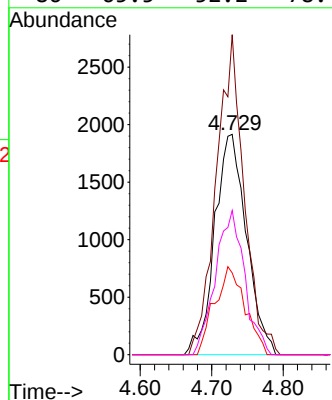
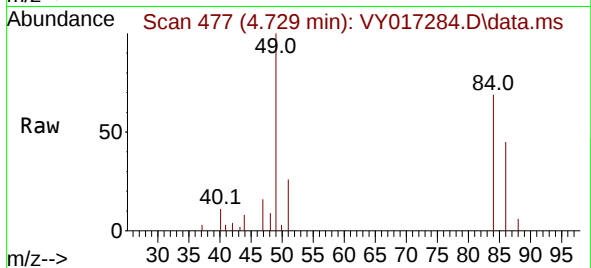
Ion Ratio Lower Upper

84 100

49 145.3 95.2 142.8#

51 37.1 29.9 44.9

86 65.5 52.2 78.4



#33

1,2-Dichloroethane-d4

Concen: 52.887 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY017284.D

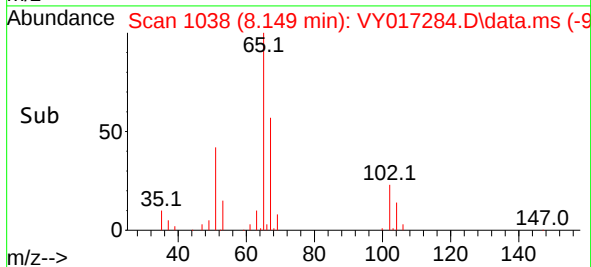
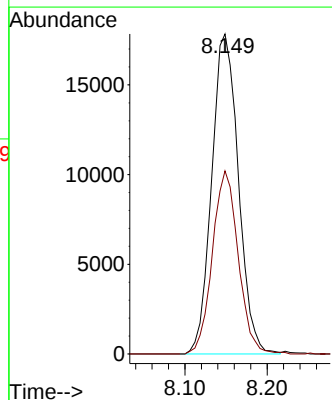
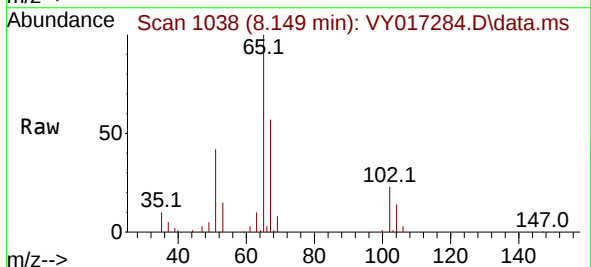
Acq: 07 Feb 2024 13:16

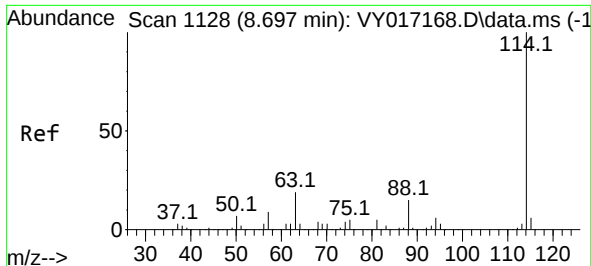
Tgt Ion: 65 Resp: 40260

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

RT2302

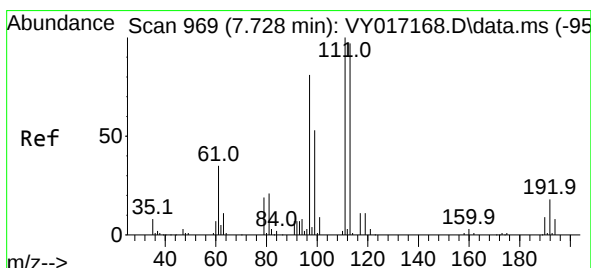
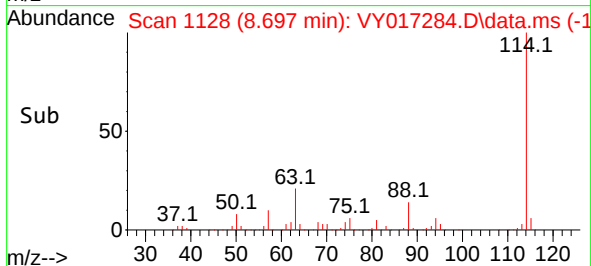
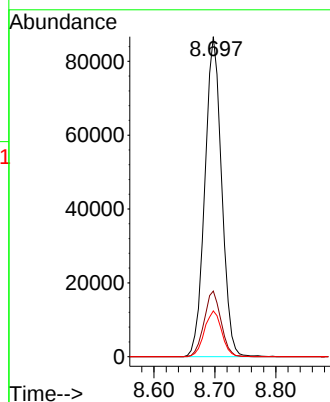
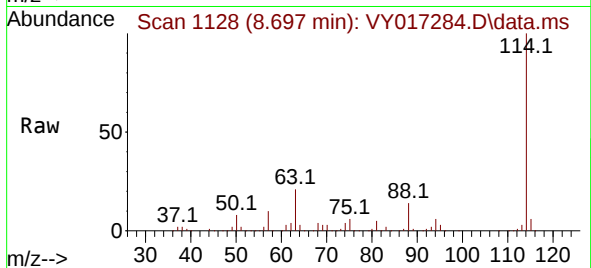
Tgt Ion:114 Resp: 166032

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 44.335 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

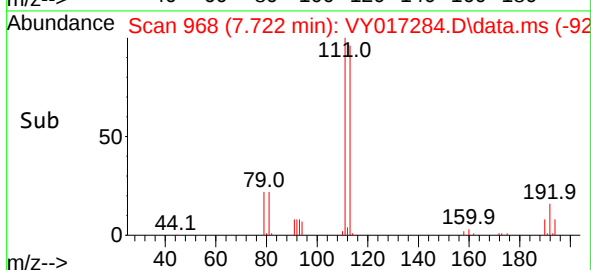
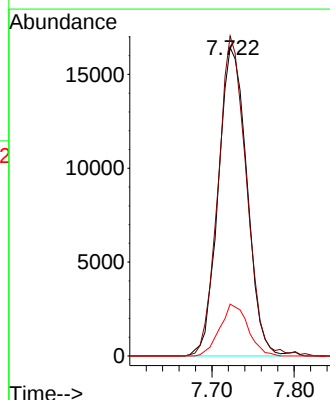
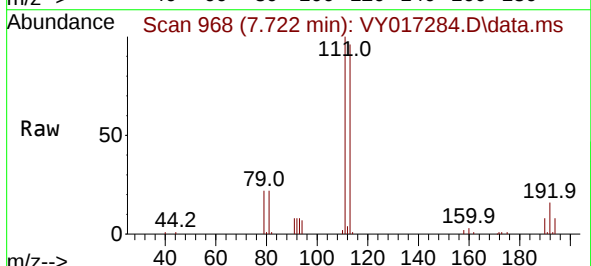
Tgt Ion:113 Resp: 39745

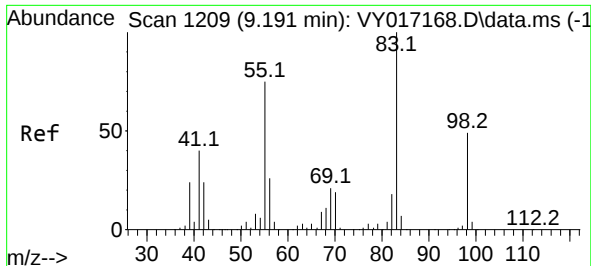
Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 16.5 14.5 21.7





#39

Methylcyclohexane

Concen: 3.873 ug/l

RT: 9.191 min Scan# 1209

Delta R.T. 0.000 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

RT2302

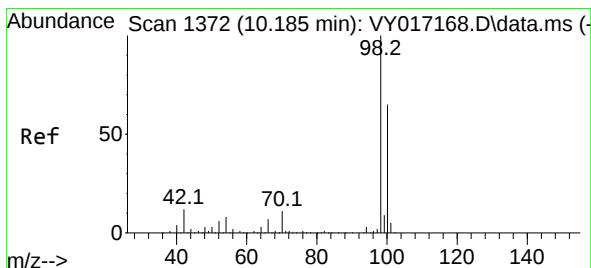
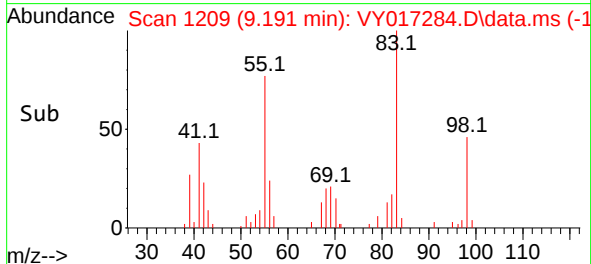
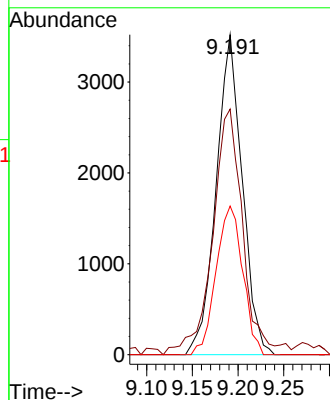
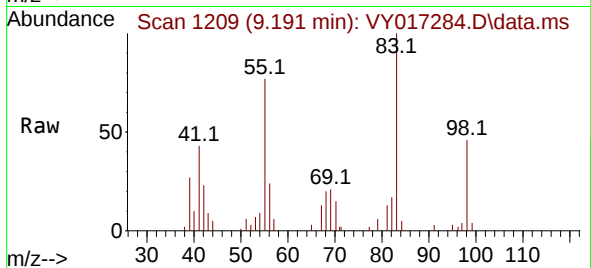
Tgt Ion: 83 Resp: 6997

Ion Ratio Lower Upper

83 100

55 74.0 59.7 89.5

98 46.4 38.0 57.0



#50

Toluene-d8

Concen: 45.334 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY017284.D

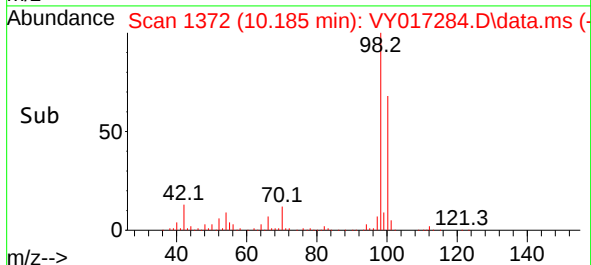
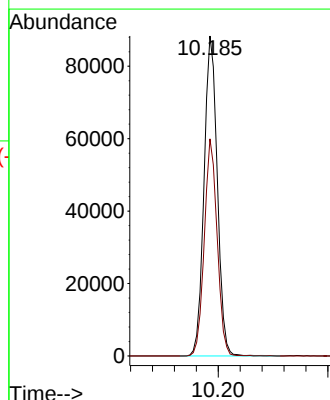
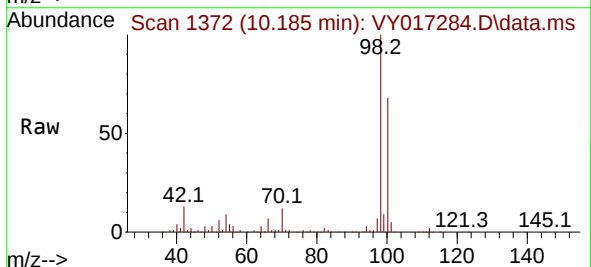
Acq: 07 Feb 2024 13:16

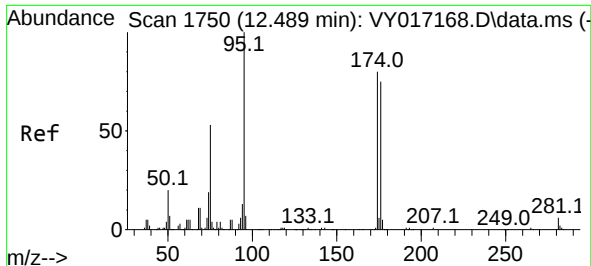
Tgt Ion: 98 Resp: 147970

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5

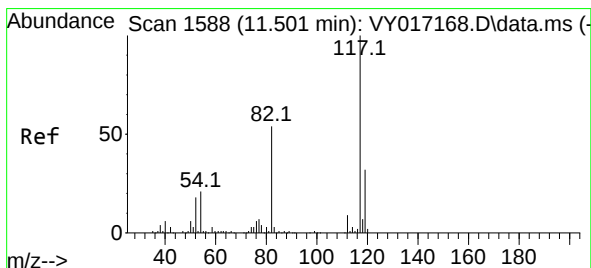
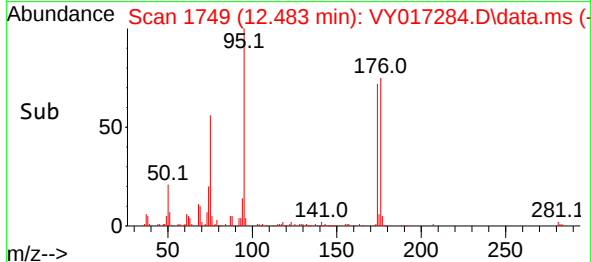
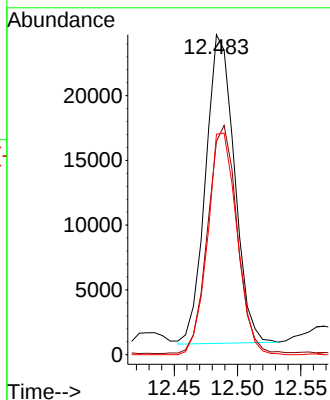
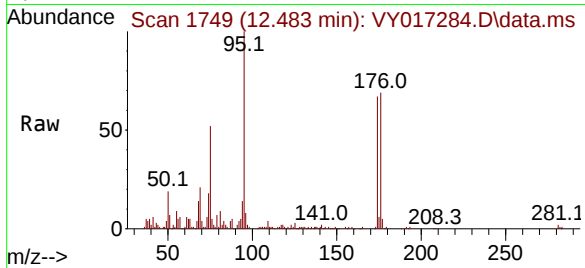




#62
4-Bromofluorobenzene
Concen: 35.327 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017284.D
Acq: 07 Feb 2024 13:16

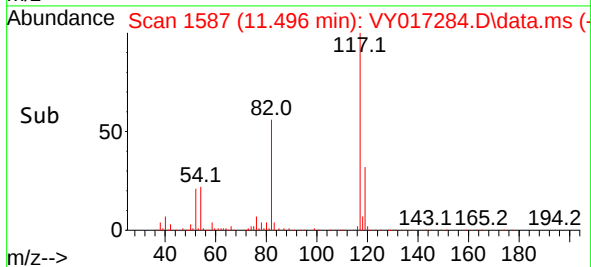
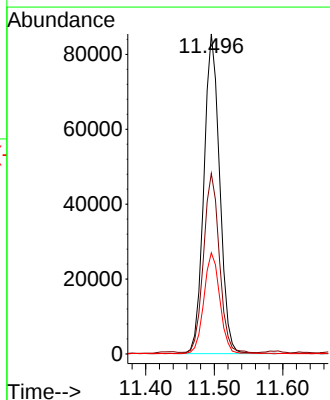
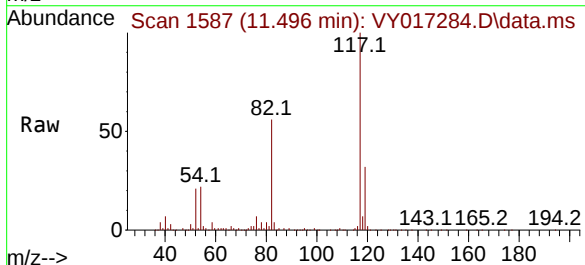
Instrument :
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RT2302

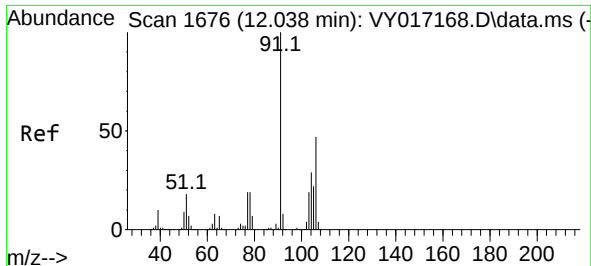
Tgt Ion: 95 Resp: 37772
Ion Ratio Lower Upper
95 100
174 75.3 0.0 160.0
176 73.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017284.D
Acq: 07 Feb 2024 13:16

Tgt Ion: 117 Resp: 136829
Ion Ratio Lower Upper
117 100
82 56.0 43.8 65.8
119 31.5 26.5 39.7





#69

o-Xylene

Concen: 3.761 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

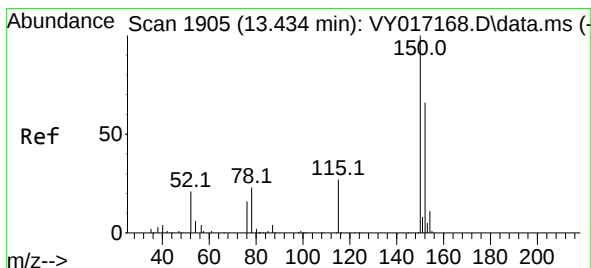
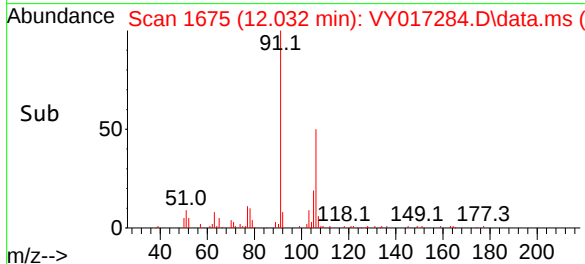
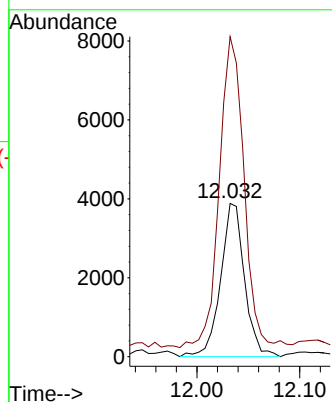
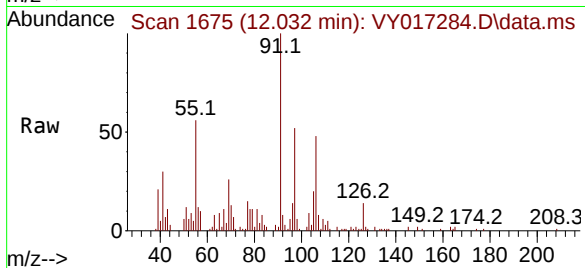
RT2302

Tgt Ion:106 Resp: 6270

Ion Ratio Lower Upper

106 100

91 205.1 106.5 319.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

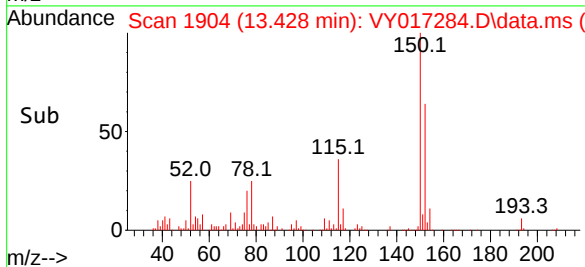
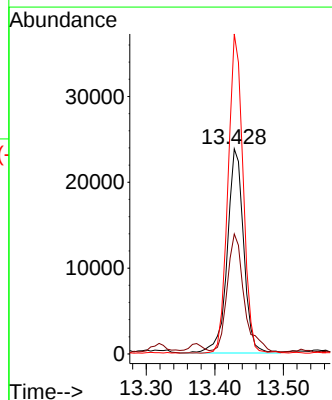
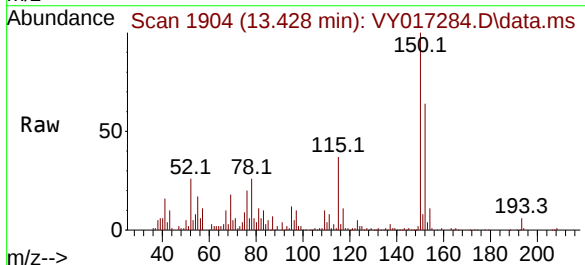
Tgt Ion:152 Resp: 39366

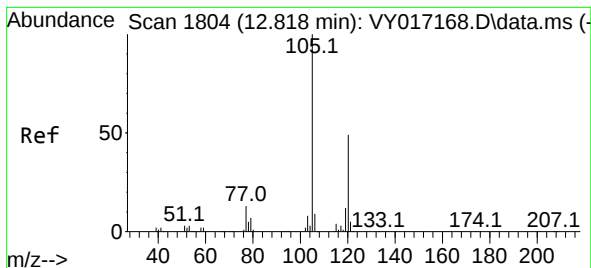
Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

150 143.9 0.0 344.6





#80

1,3,5-Trimethylbenzene

Concen: 9.354 ug/l

RT: 12.819 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

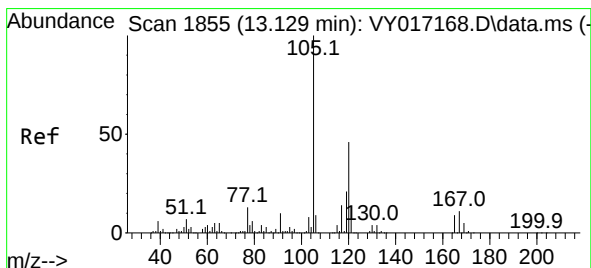
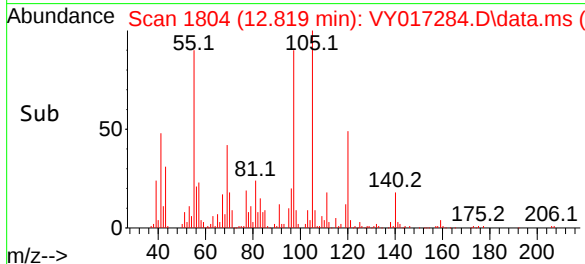
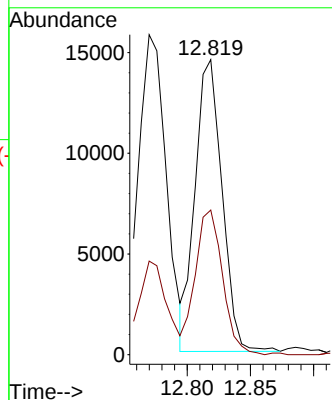
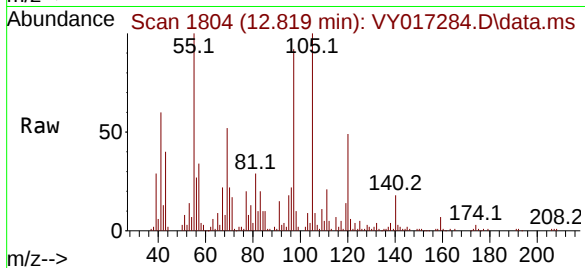
RT2302

Tgt Ion:105 Resp: 21514

Ion Ratio Lower Upper

105 100

120 50.3 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 1.920 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017284.D

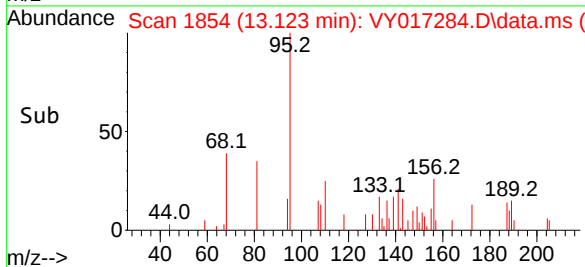
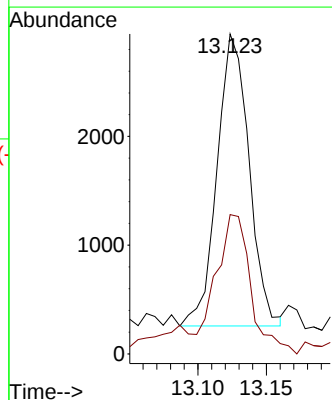
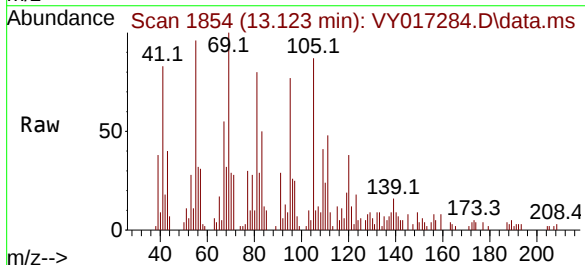
Acq: 07 Feb 2024 13:16

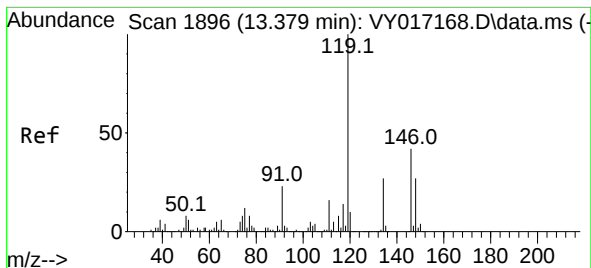
Tgt Ion:105 Resp: 4358

Ion Ratio Lower Upper

105 100

120 51.5 22.1 66.3





#86

p-Isopropyltoluene

Concen: 5.515 ug/l

RT: 13.373 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017284.D

Acq: 07 Feb 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

RT2302

Tgt Ion:119 Resp: 13580

Ion Ratio Lower Upper

119 100

134 28.7 13.1 39.1

91 23.0 11.7 35.0

