

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012780.D
 Acq On : 02 Mar 2023 23:25
 Operator : KP/MD
 Sample : 01760-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200058

Quant Time: Mar 03 02:02:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

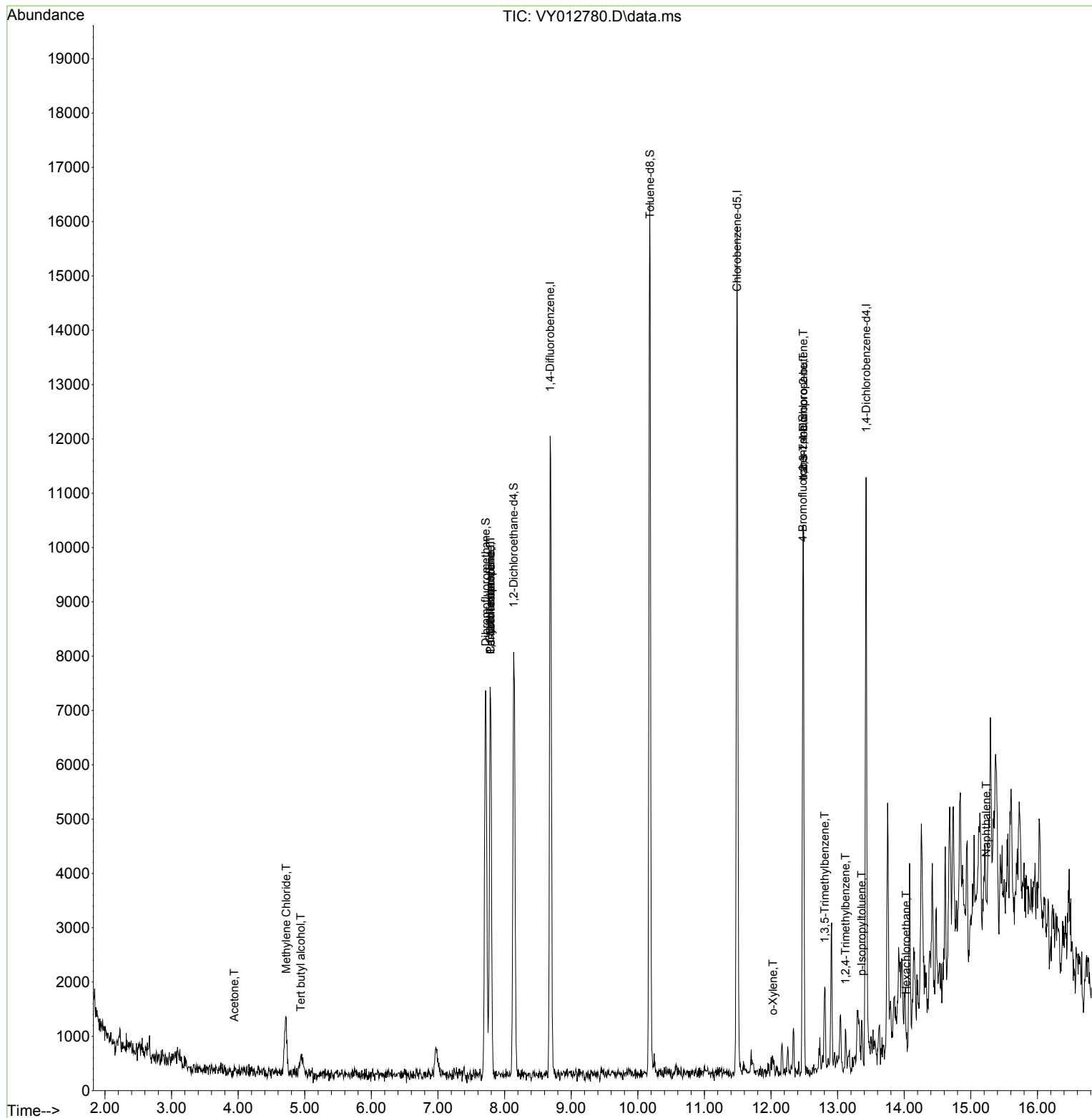
Internal Standards						
1) Pentafluorobenzene	7.789	168	5886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	10207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	8508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6173	105.629	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 211.260%#	
35) Dibromofluoromethane	7.716	113	5056	82.079	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 164.160%#	
50) Toluene-d8	10.185	98	10935	48.558	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.120%	
62) 4-Bromofluorobenzene	12.477	95	3280	43.153	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	447	50.418	ug/l #	74
16) Acetone	3.942	43	149	6.496	ug/l #	44
20) Methylene Chloride	4.722	84	705	5.265	ug/l #	86
31) Cyclohexane	7.783	56	123	1.099	ug/l #	79
36) 1,1-Dichloropropene	7.789	75	481	4.660	ug/l #	41
38) Carbon Tetrachloride	7.789	117	561	5.263	ug/l #	12
69) o-Xylene	12.032	106	120	1.065	ug/l	64
76) 1,2,3-Trichloropropane	12.483	75	1582	45.230	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	234	1.366	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	1582	93.718	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	418	2.495	ug/l	86
86) p-Isopropyltoluene	13.361	119	247	1.340	ug/l #	58
90) Hexachloroethane	14.032	117	79	2.057	ug/l #	10
95) Naphthalene	15.233	128	321	2.959	ug/l #	69

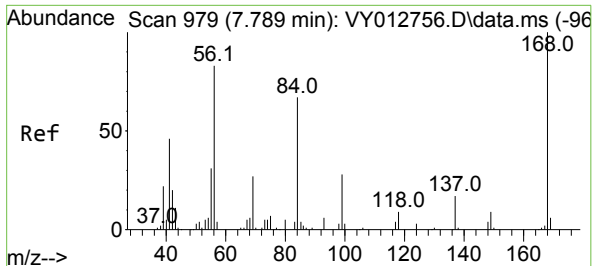
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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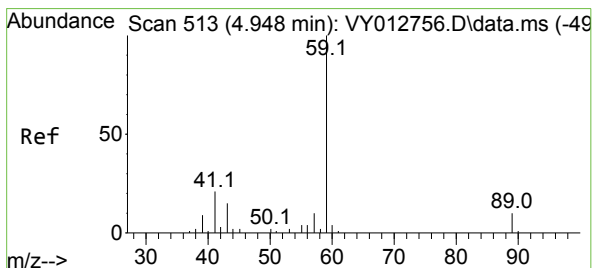
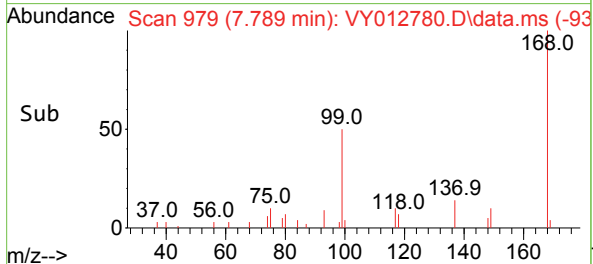
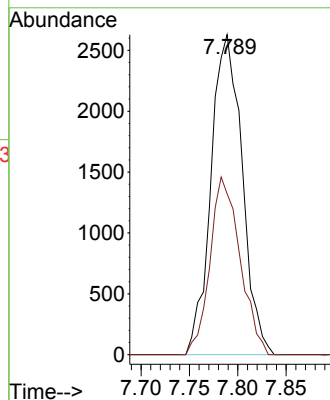
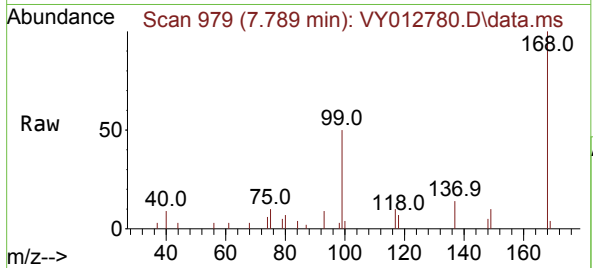




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

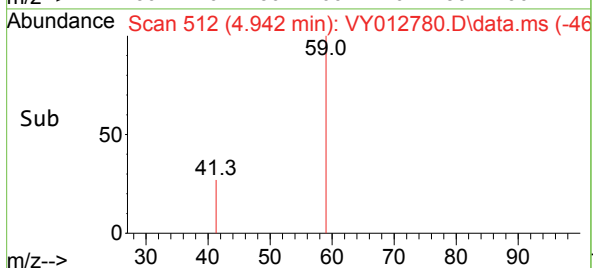
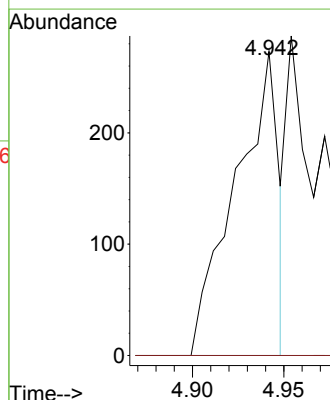
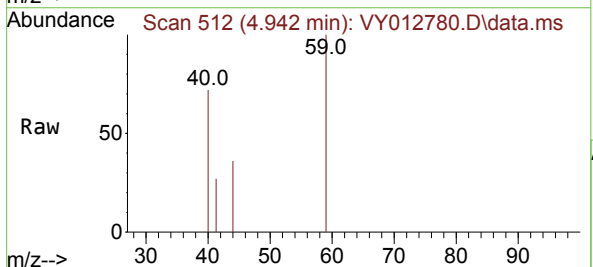
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058

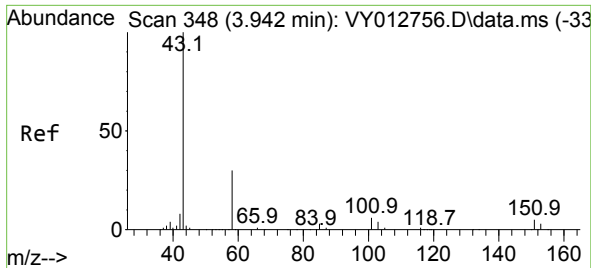
Tgt Ion:168 Resp: 5886
Ion Ratio Lower Upper
168 100
99 50.3 41.7 62.5



#11
Tert butyl alcohol
Concen: 50.418 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 6.496 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

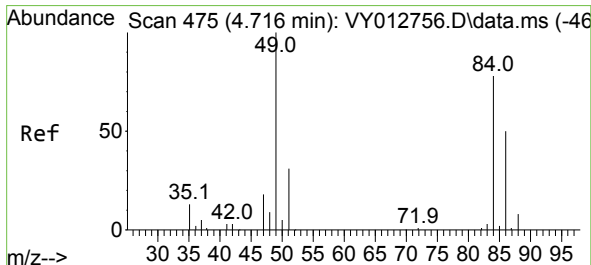
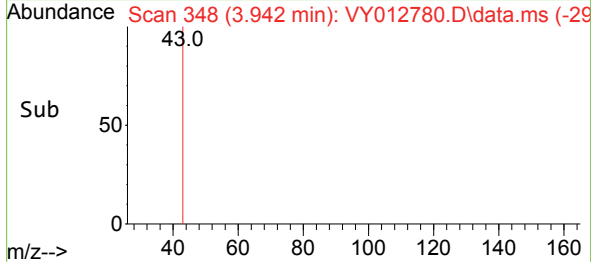
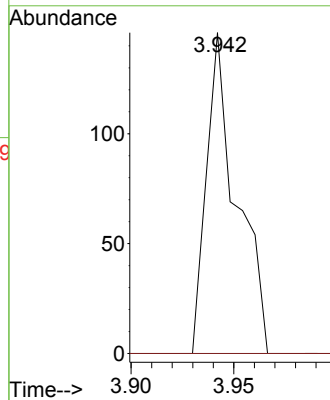
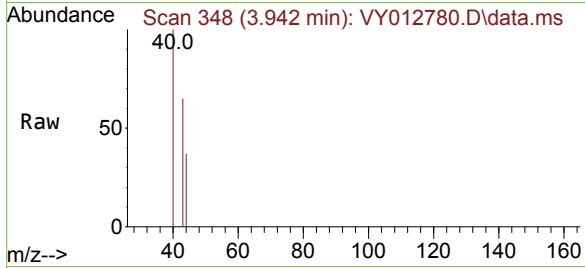
RBR200058

Tgt Ion: 43 Resp: 149

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: 5.265 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Tgt Ion: 84 Resp: 705

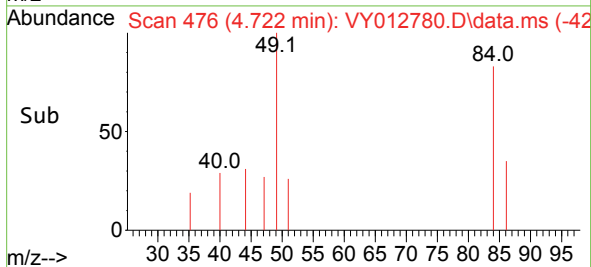
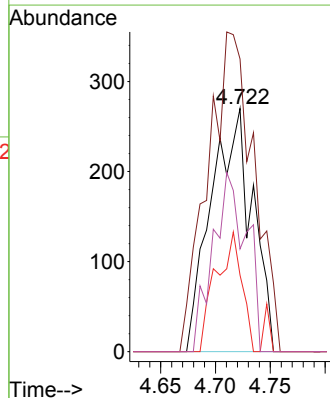
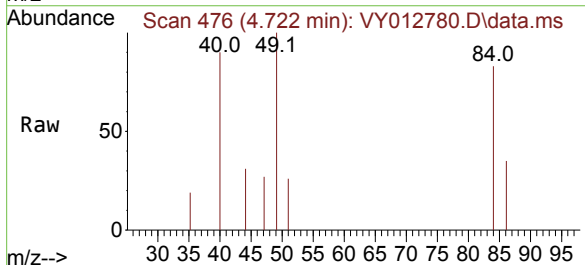
Ion Ratio Lower Upper

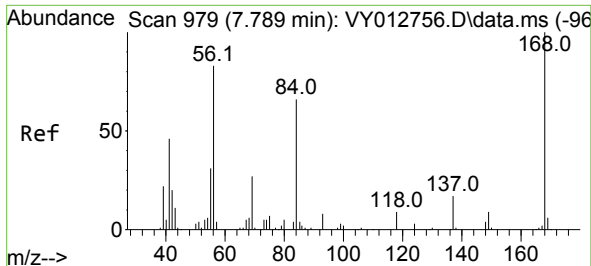
84 100

49 120.4 102.6 154.0

51 31.5 31.9 47.9#

86 42.2 51.0 76.6#

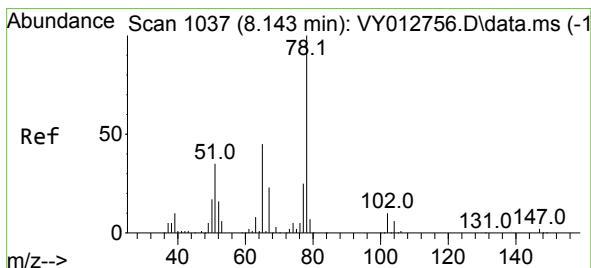
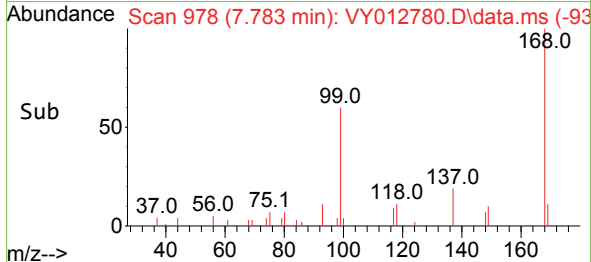
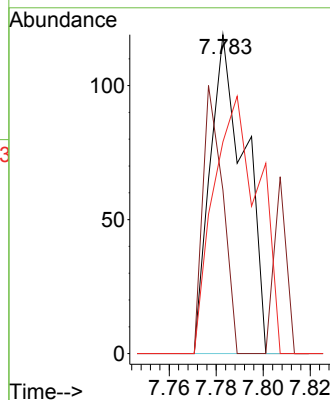
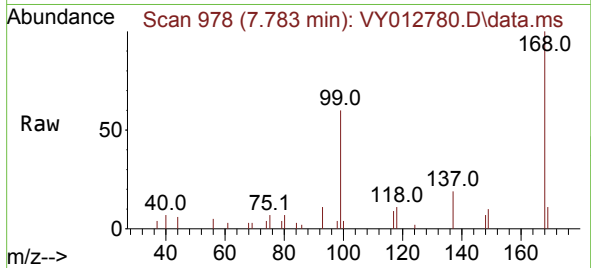




#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

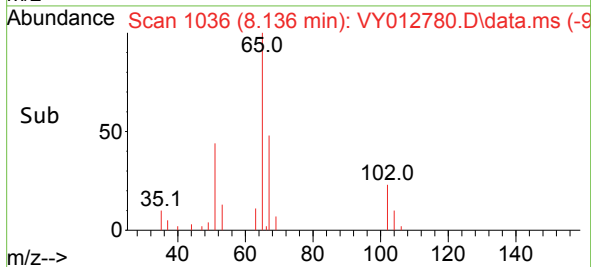
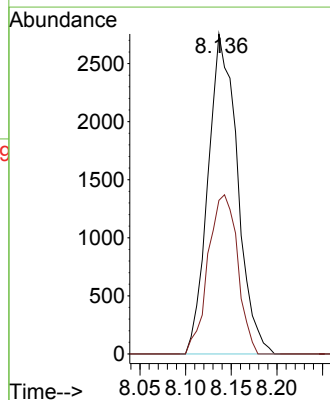
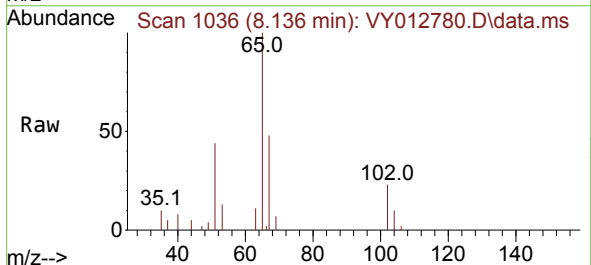
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058

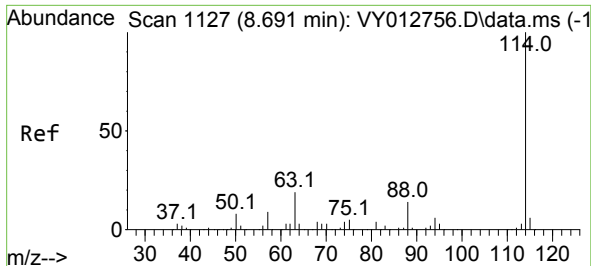
Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
69 51.3 25.7 38.5#
84 66.4 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 105.629 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

Tgt Ion: 65 Resp: 6173
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR200058

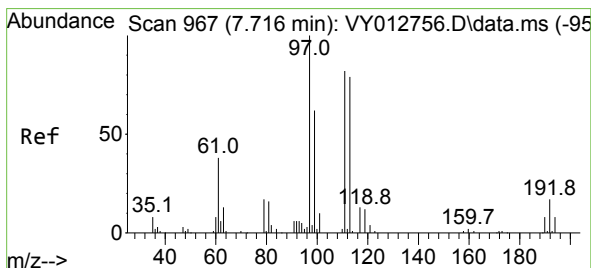
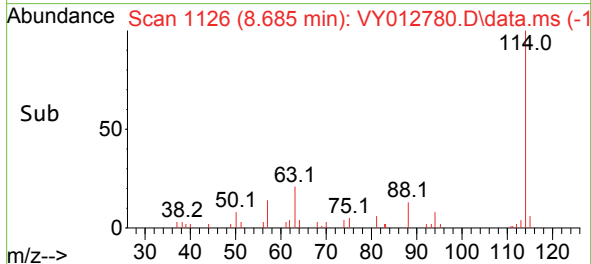
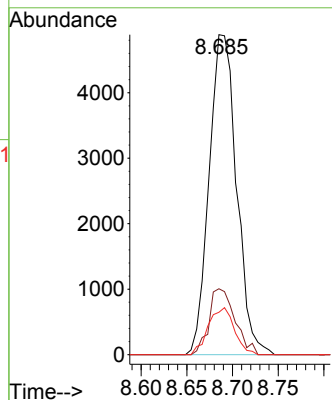
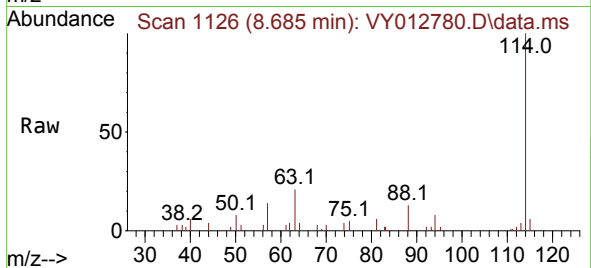
Tgt Ion:114 Resp: 10207

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 13.2 0.0 28.6



#35

Dibromofluoromethane

Concen: 82.079 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

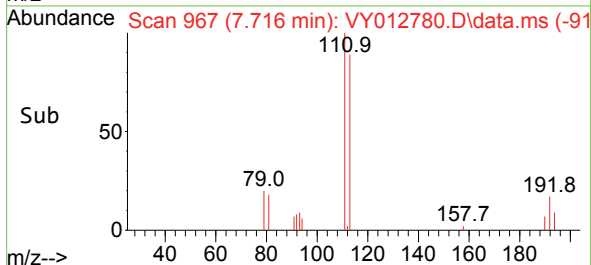
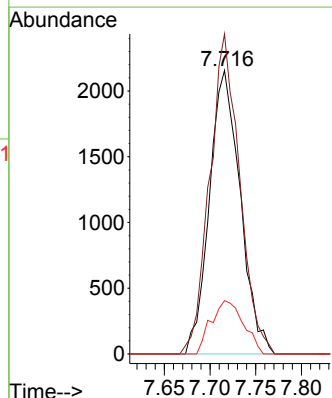
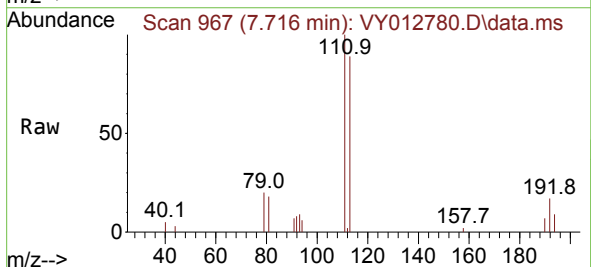
Tgt Ion:113 Resp: 5056

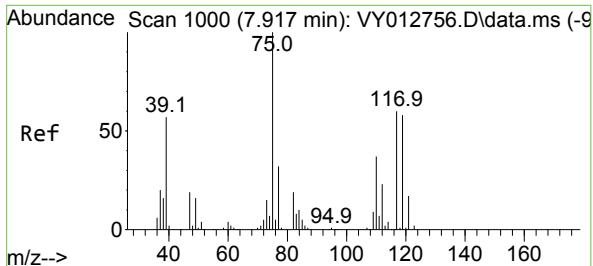
Ion Ratio Lower Upper

113 100

111 109.5 82.2 123.2

192 19.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

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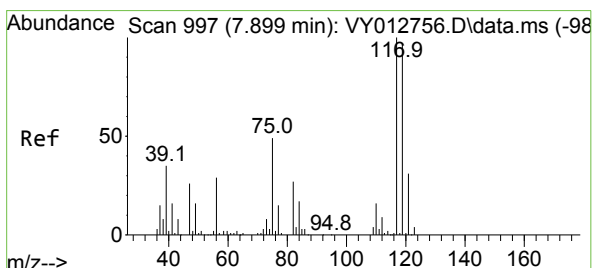
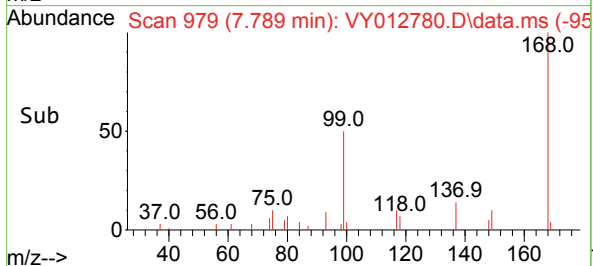
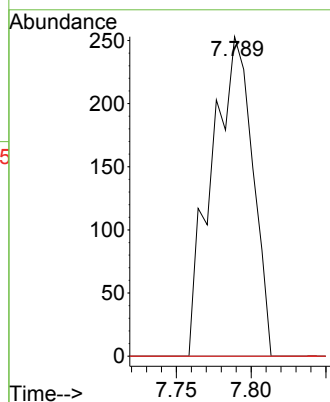
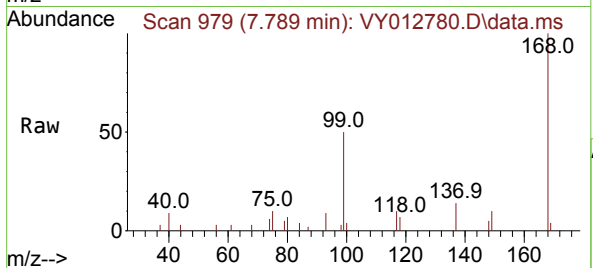
Tgt Ion: 75 Resp: 481

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.263 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

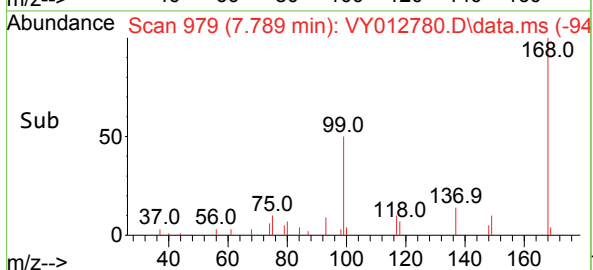
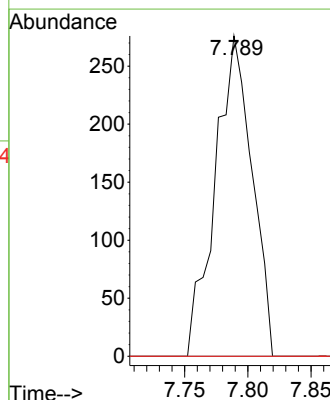
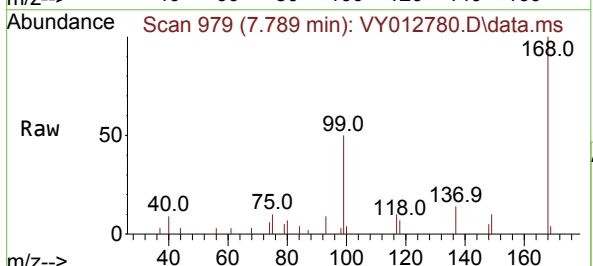
Tgt Ion: 117 Resp: 561

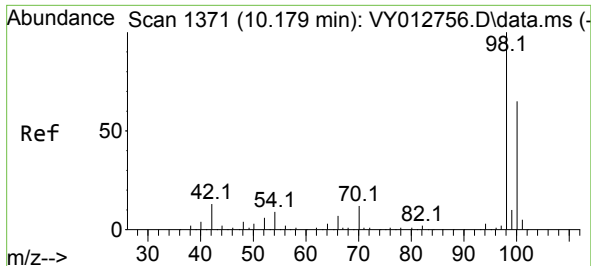
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#

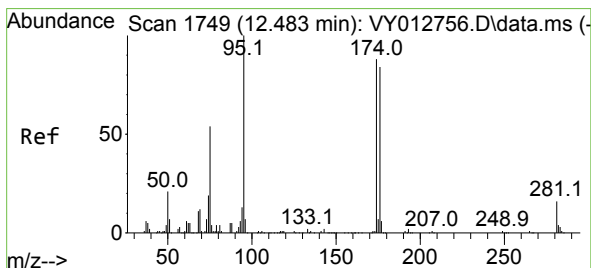
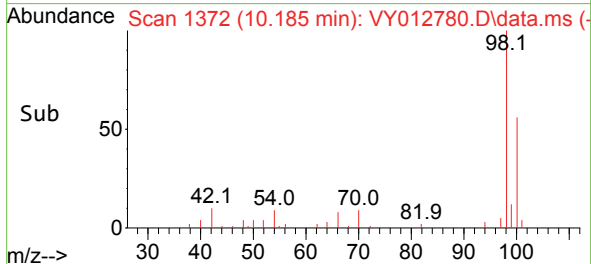
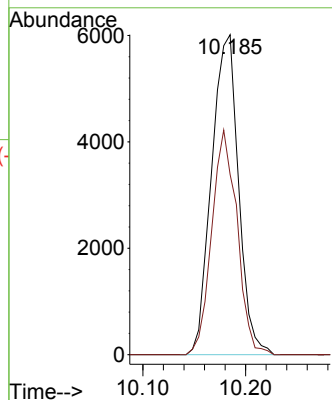
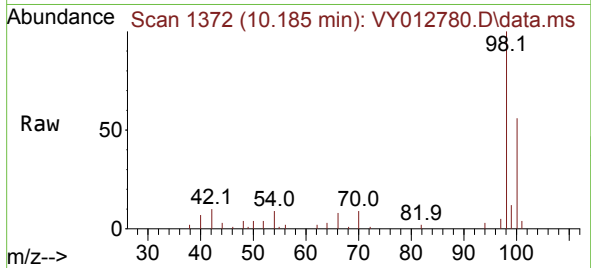




#50
Toluene-d8
Concen: 48.558 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

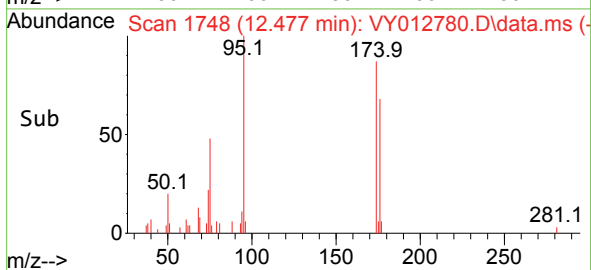
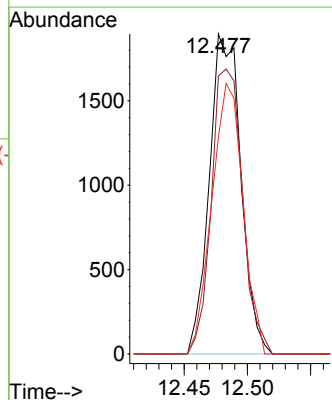
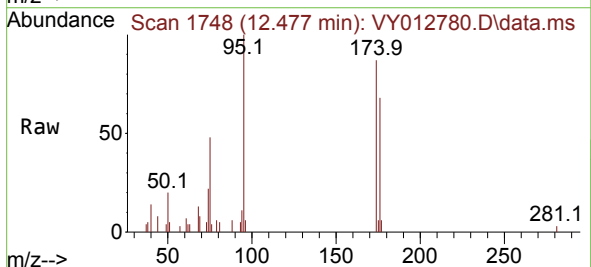
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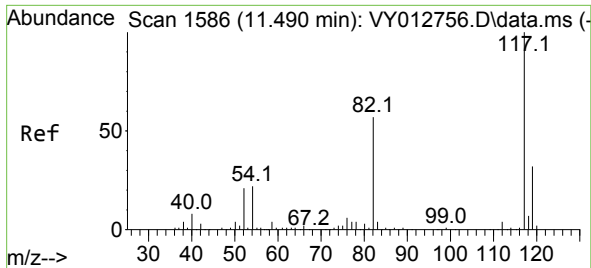
Tgt Ion: 98 Resp: 10935
Ion Ratio Lower Upper
98 100
100 66.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.153 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

Tgt Ion: 95 Resp: 3280
Ion Ratio Lower Upper
95 100
174 88.0 0.0 176.6
176 83.5 0.0 170.2

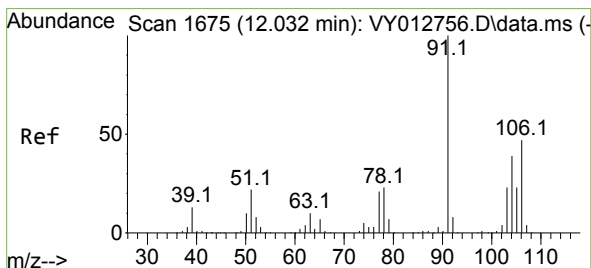
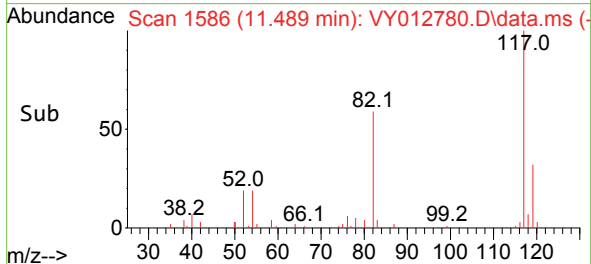
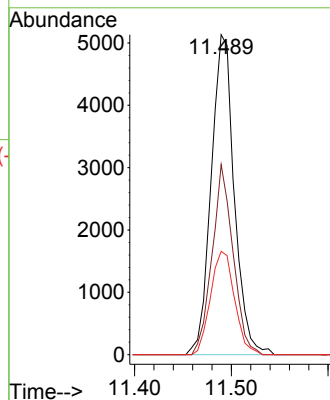
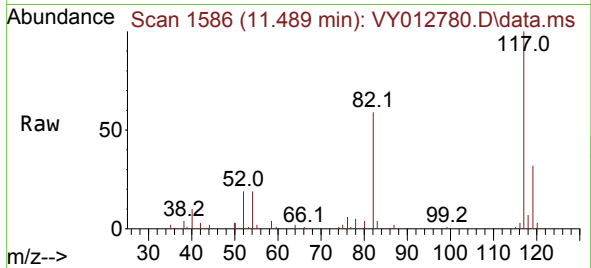




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

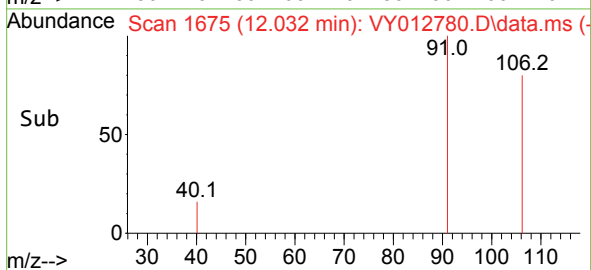
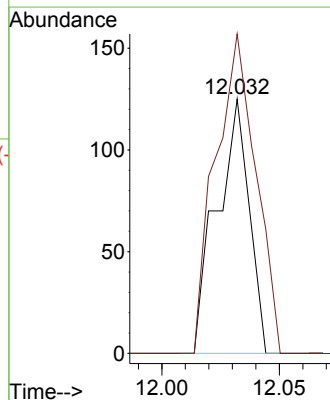
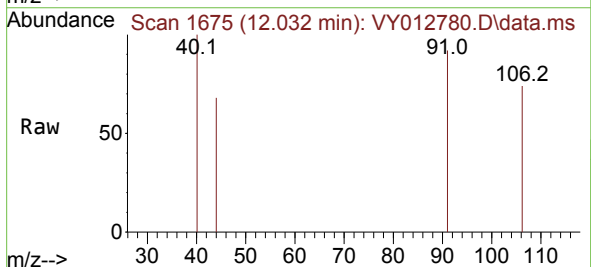
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058

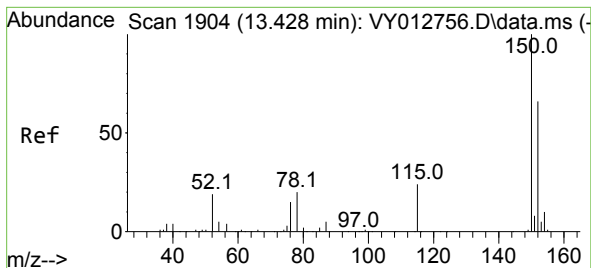
Tgt Ion:117 Resp: 8508
Ion Ratio Lower Upper
117 100
82 59.4 45.4 68.0
119 32.3 25.6 38.4



#69
o-Xylene
Concen: 1.065 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY012780.D
Acq: 02 Mar 2023 23:25

Tgt Ion:106 Resp: 120
Ion Ratio Lower Upper
106 100
91 156.7 107.2 321.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR200058

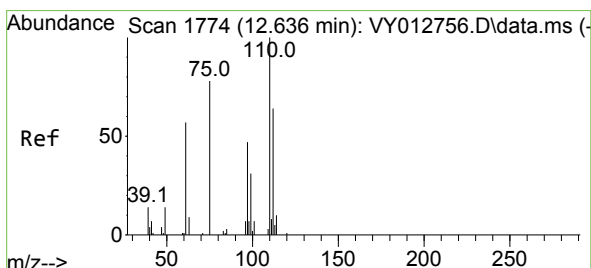
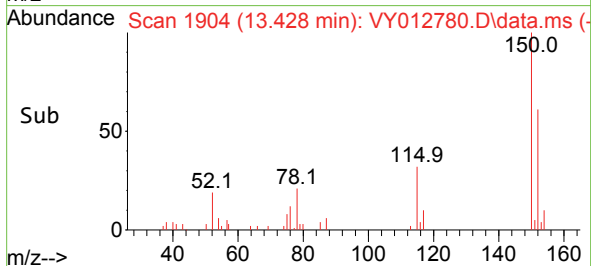
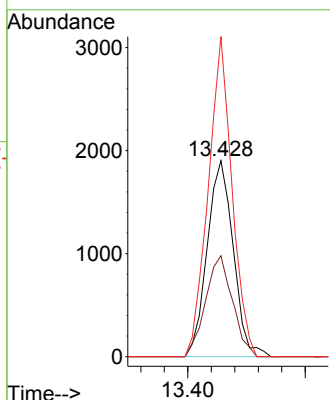
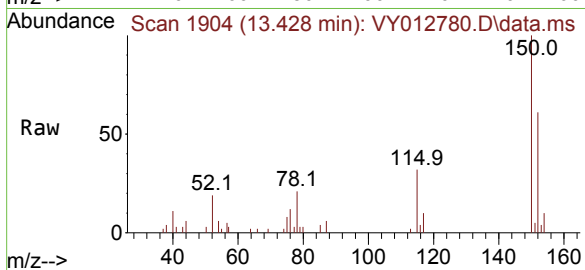
Tgt Ion:152 Resp: 2929

Ion Ratio Lower Upper

152 100

115 53.2 27.1 81.3

150 148.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 45.230 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012780.D

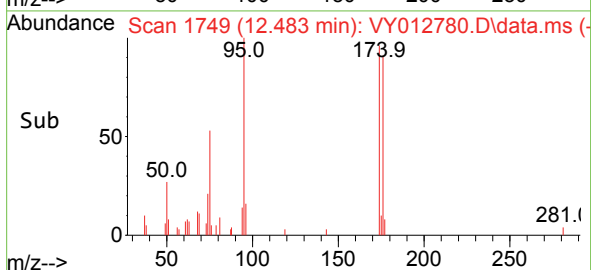
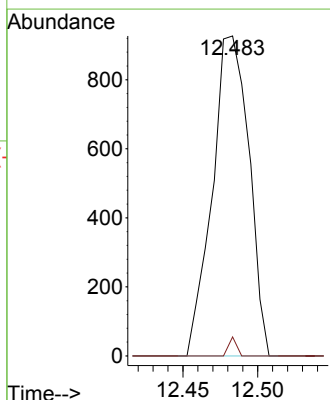
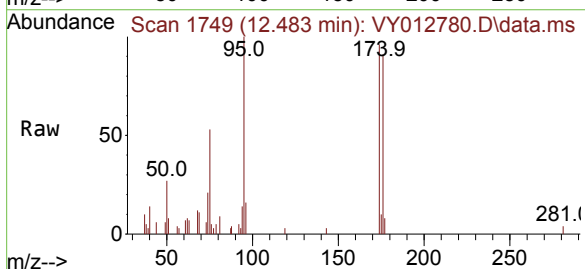
Acq: 02 Mar 2023 23:25

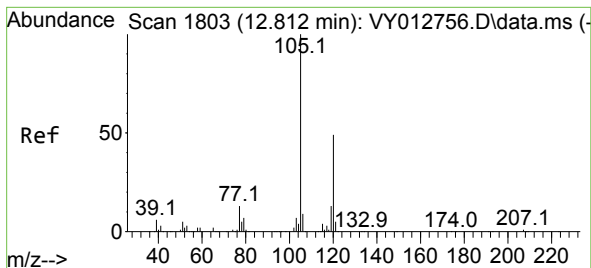
Tgt Ion: 75 Resp: 1582

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.366 ug/l

RT: 12.806 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

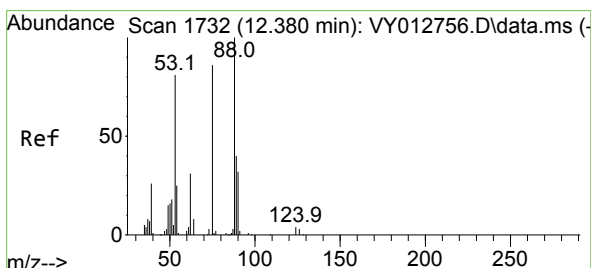
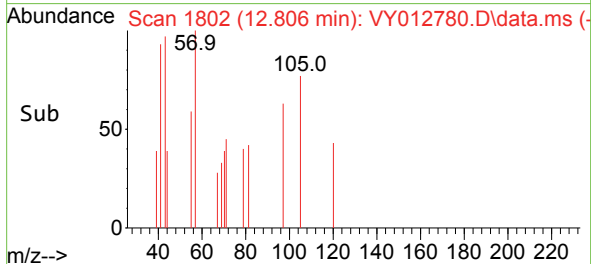
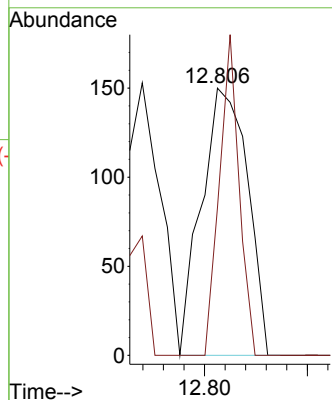
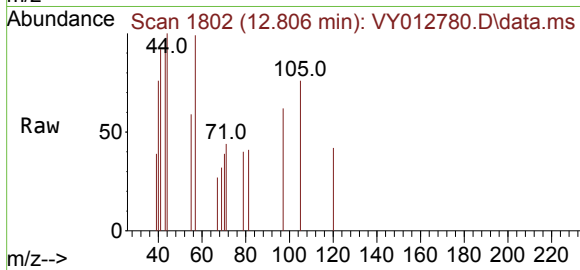
RBR200058

Tgt Ion:105 Resp: 234

Ion Ratio Lower Upper

105 100

120 51.3 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 93.718 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

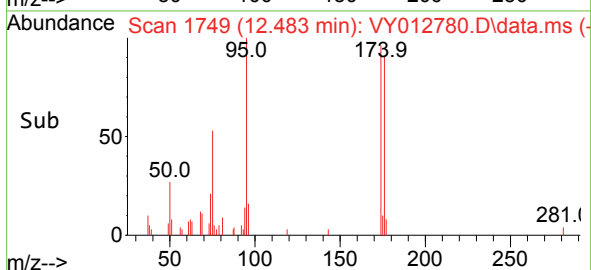
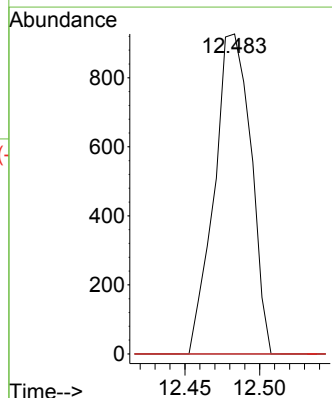
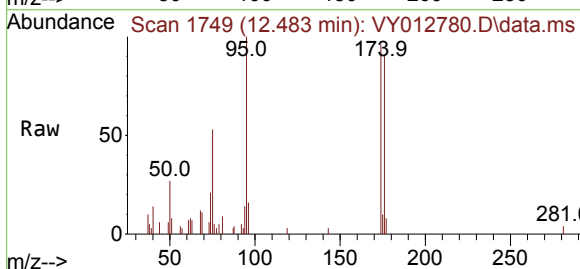
Tgt Ion: 75 Resp: 1582

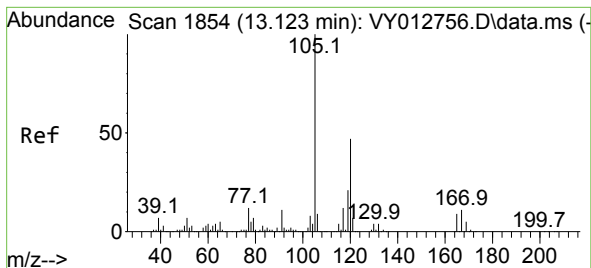
Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.0#

89 0.0 36.6 55.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.495 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

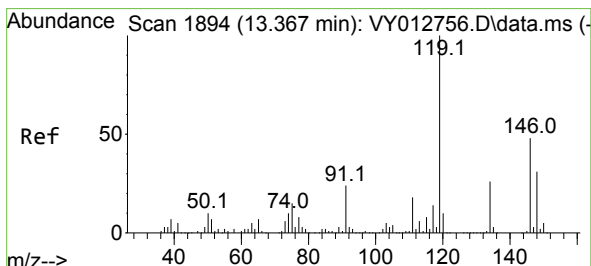
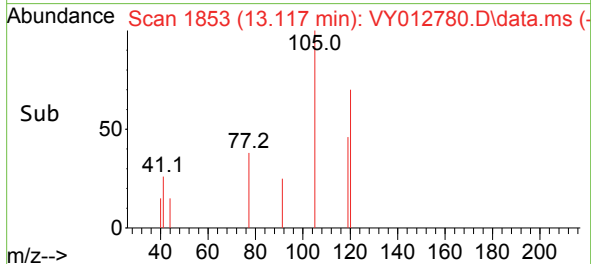
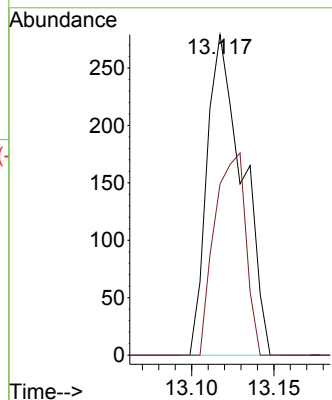
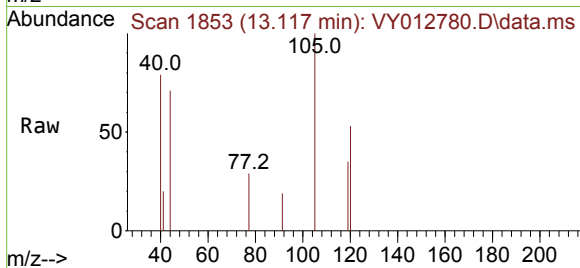
RBR200058

Tgt Ion:105 Resp: 418

Ion Ratio Lower Upper

105 100

120 55.5 23.0 69.0



#86

p-Isopropyltoluene

Concen: 1.340 ug/l

RT: 13.361 min Scan# 1893

Delta R.T. -0.006 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

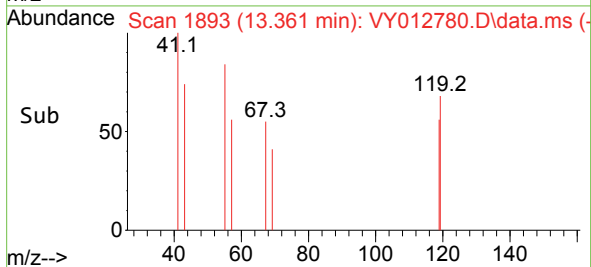
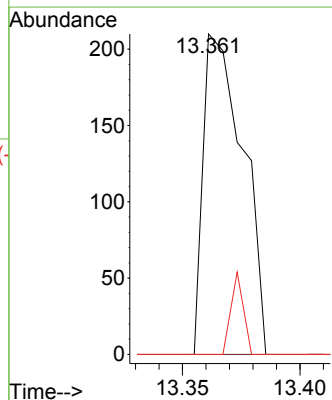
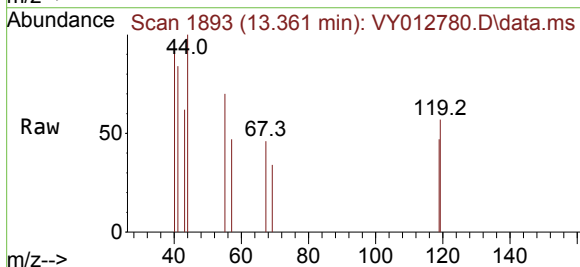
Tgt Ion:119 Resp: 247

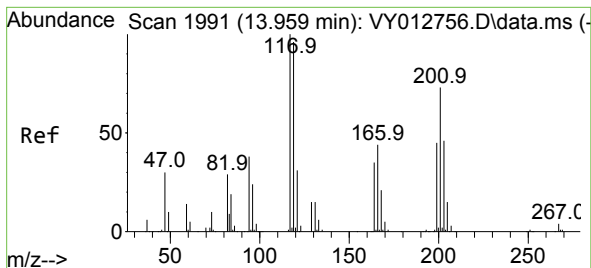
Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.6#

91 8.1 11.8 35.3#





#90

Hexachloroethane

Concen: 2.057 ug/l

RT: 14.032 min Scan# 20

Delta R.T. 0.073 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

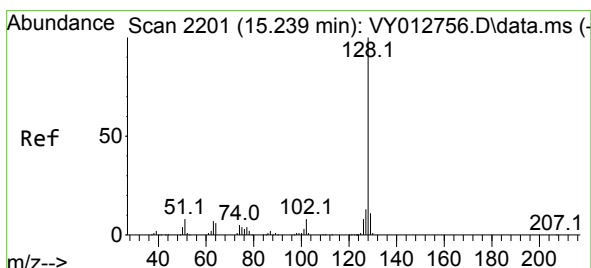
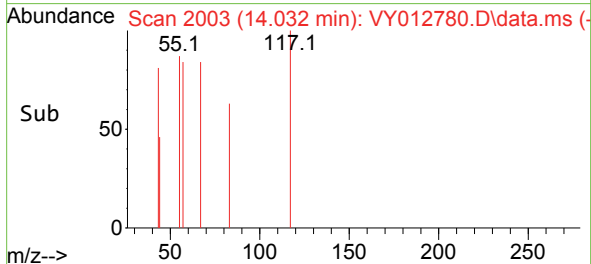
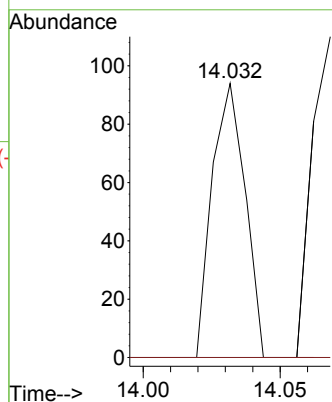
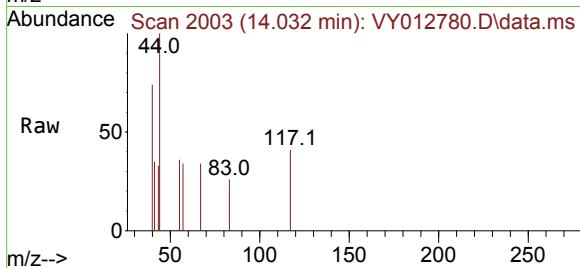
RBR200058

Tgt Ion:117 Resp: 79

Ion Ratio Lower Upper

117 100

201 0.0 39.4 118.1#



#95

Naphthalene

Concen: 2.959 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY012780.D

Acq: 02 Mar 2023 23:25

Tgt Ion:128 Resp: 321

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

