

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013063.D
 Acq On : 23 Mar 2023 15:32
 Operator : KP/MD
 Sample : 02022-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-32123

Quant Time: Mar 24 05:04:25 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)

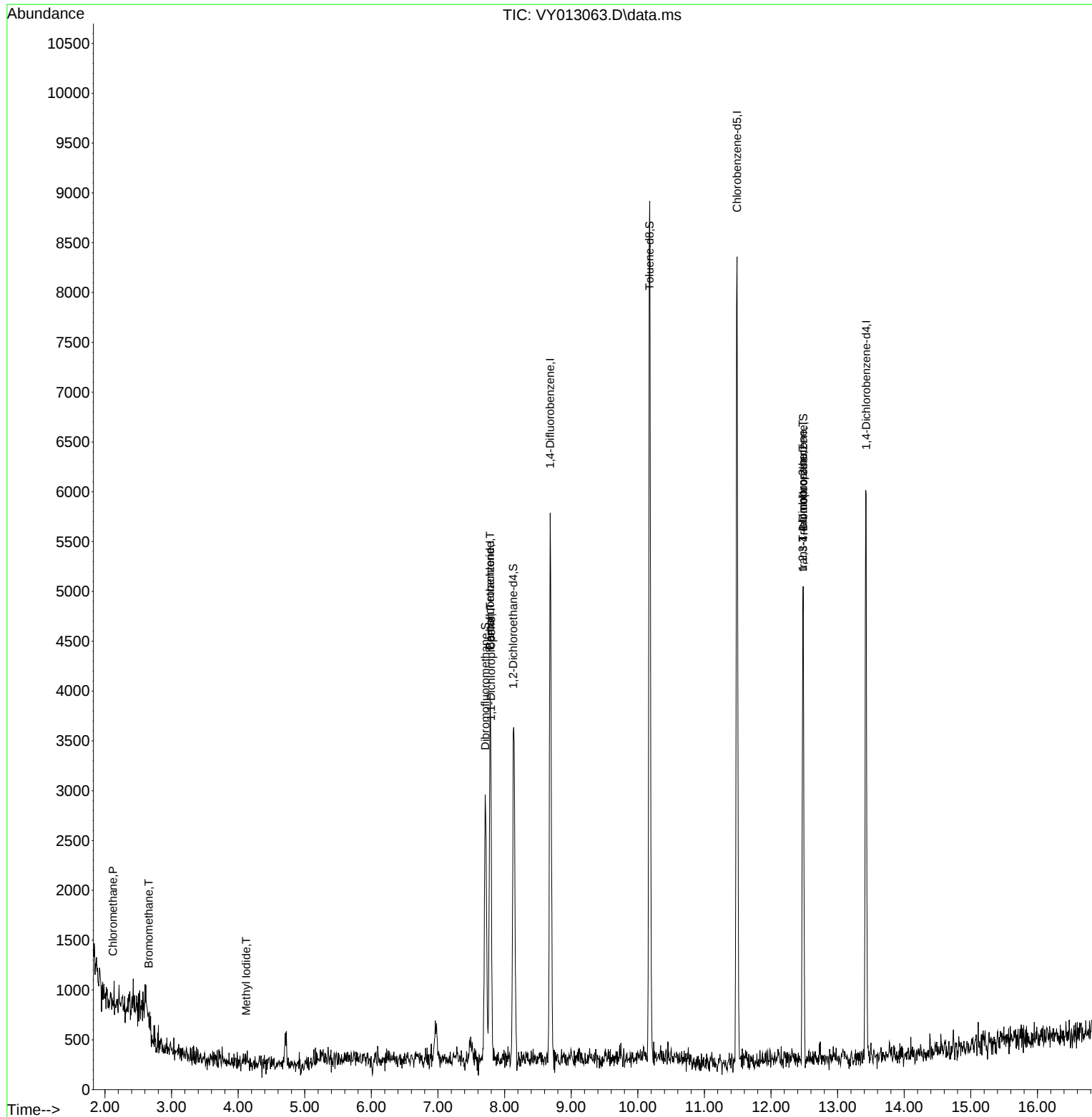
Internal Standards						
1) Pentafluorobenzene	7.783	168	2969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	4797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	2763	93.730	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 187.460%#	
35) Dibromofluoromethane	7.710	113	1969	68.014	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 136.020%	
50) Toluene-d8	10.179	98	5919	55.927	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.860%	
62) 4-Bromofluorobenzene	12.483	95	1680	47.030	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	44	1.258	ug/l #	42
5) Bromomethane	2.656	94	45	2.308	ug/l #	1
10) Methyl Iodide	4.119	142	65	1.556	ug/l #	40
20) Methylene Chloride	4.722	84	145	Below Cal	#	57
36) 1,1-Dichloropropene	7.795	75	76	1.567	ug/l #	41
38) Carbon Tetrachloride	7.783	117	314	6.268	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	813	39.536	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	813	81.920	ug/l #	13

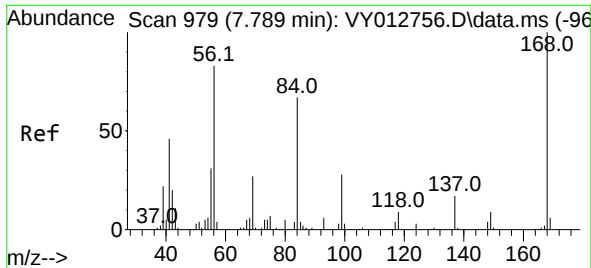
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
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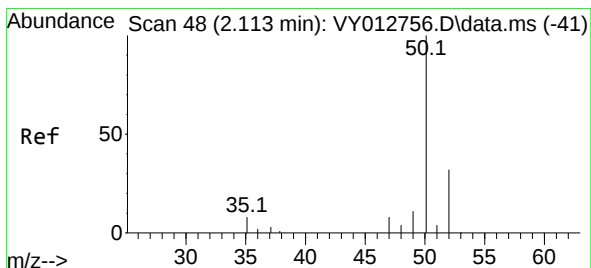
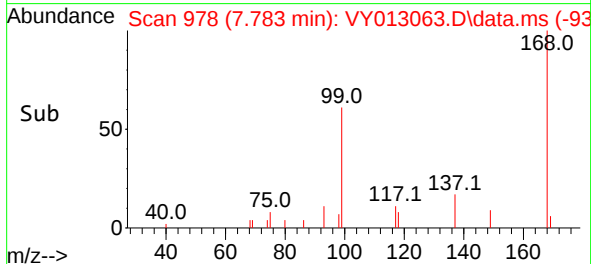
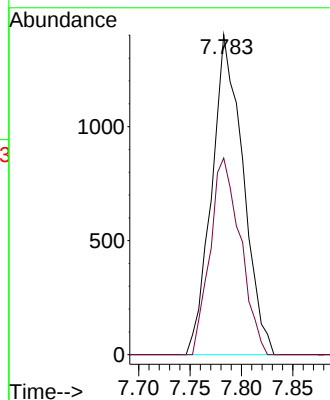
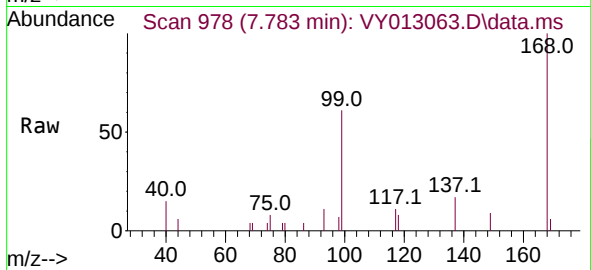




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013063.D
Acq: 23 Mar 2023 15:32

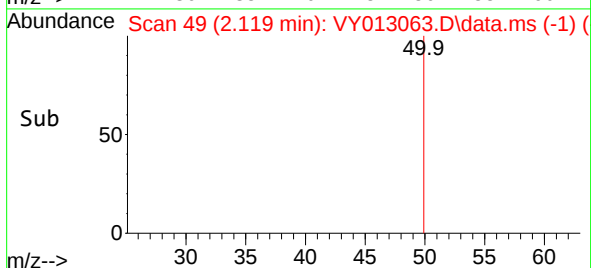
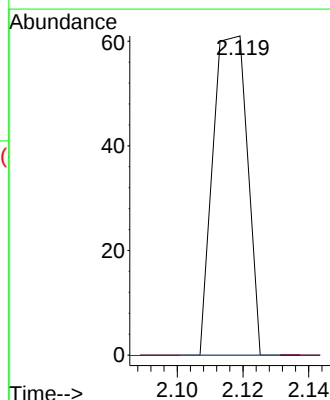
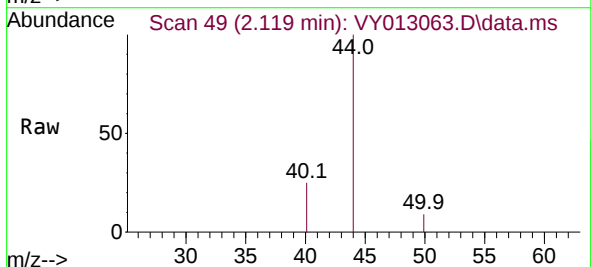
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-32123

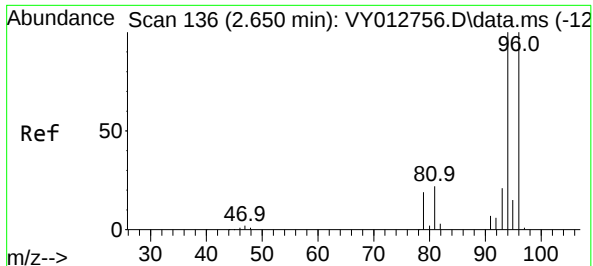
Tgt Ion:168 Resp: 2969
Ion Ratio Lower Upper
168 100
99 61.4 41.7 62.5



#3
Chloromethane
Concen: 1.258 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013063.D
Acq: 23 Mar 2023 15:32

Tgt Ion: 50 Resp: 44
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#





#5

Bromomethane

Concen: 2.308 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

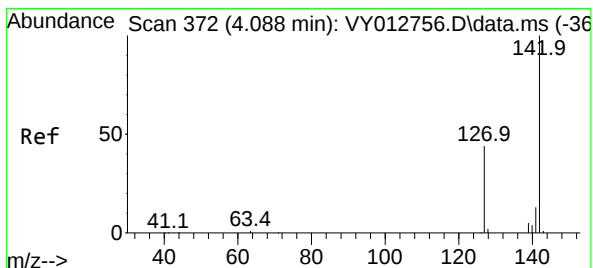
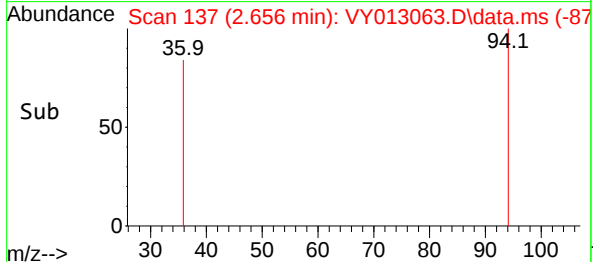
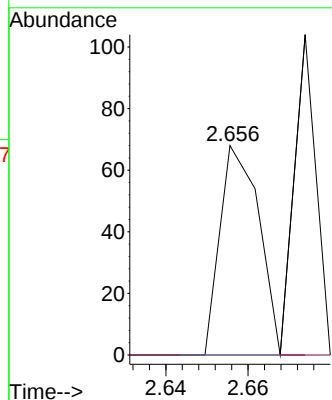
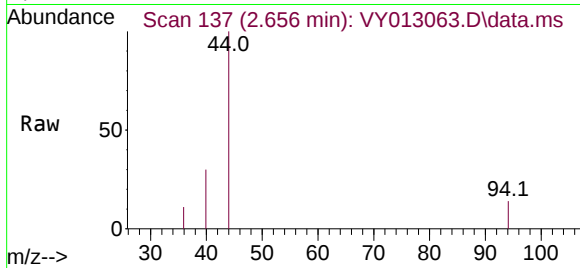
AU-05-32123

Tgt Ion: 94 Resp: 45

Ion Ratio Lower Upper

94 100

96 0.0 80.3 120.5#



#10

Methyl Iodide

Concen: 1.556 ug/l

RT: 4.119 min Scan# 377

Delta R.T. 0.031 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

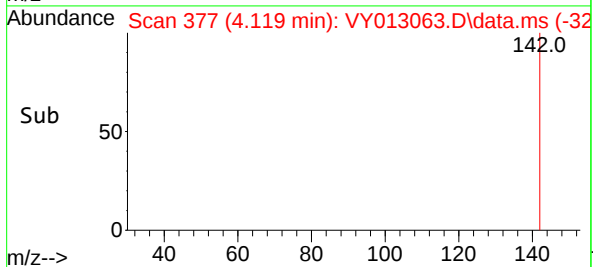
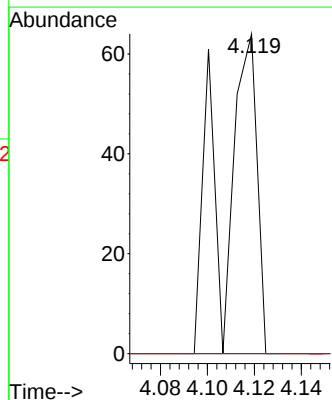
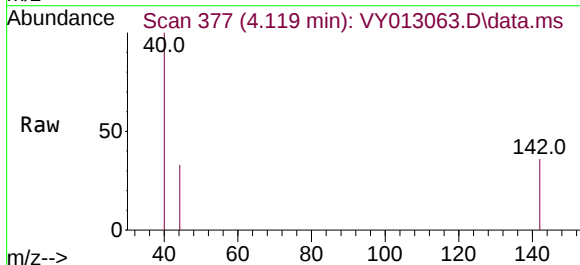
Tgt Ion: 142 Resp: 65

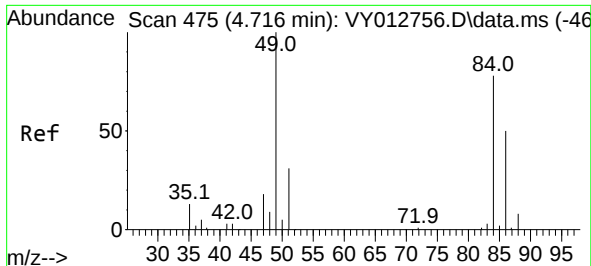
Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.2#

141 0.0 11.3 16.9#

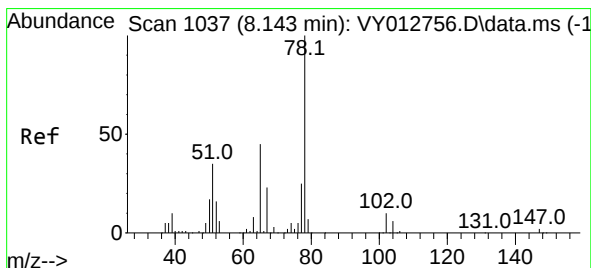
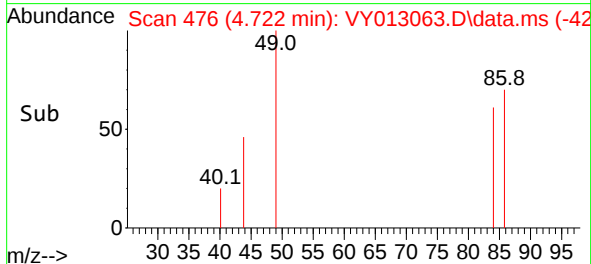
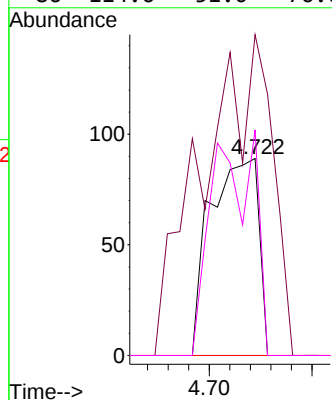
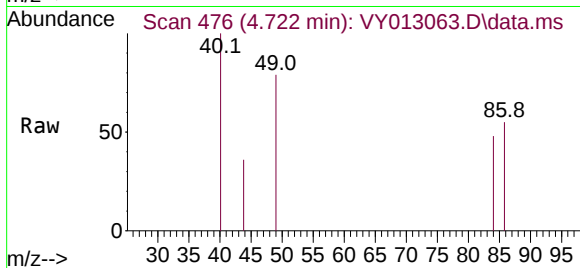




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY013063.D
Acq: 23 Mar 2023 15:32

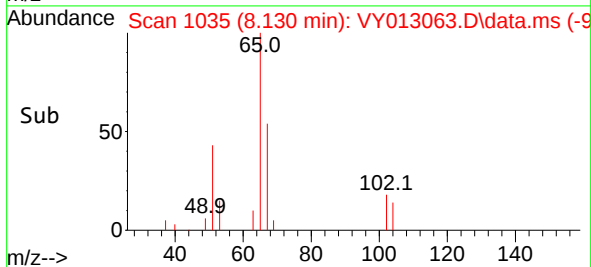
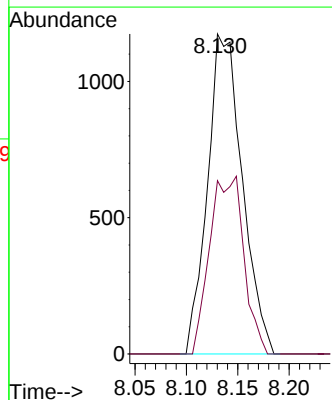
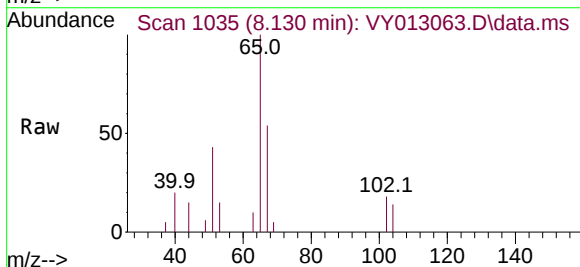
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-32123

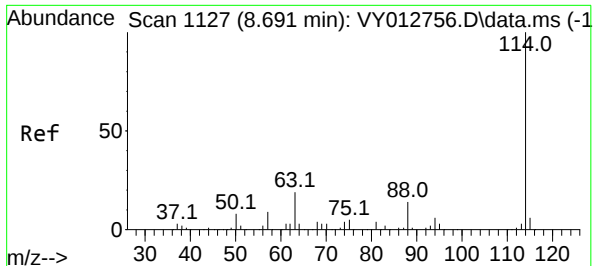
Tgt Ion: 84	Resp:	145	
Ion	Ratio	Lower	Upper
84	100		
49	100.0	102.6	154.0#
51	0.0	31.9	47.9#
86	114.6	51.0	76.6#



#33
1,2-Dichloroethane-d4
Concen: 93.730 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.013 min
Lab File: VY013063.D
Acq: 23 Mar 2023 15:32

Tgt Ion: 65	Resp:	2763	
Ion	Ratio	Lower	Upper
65	100		
67	54.4	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: VY013063.D

Acq: 23 Mar 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-32123

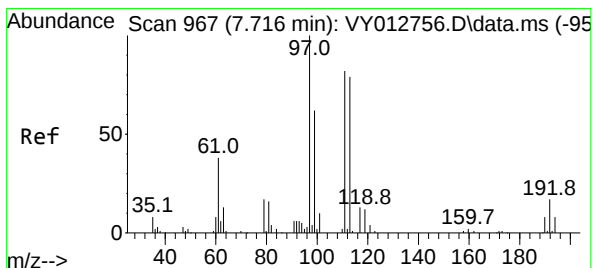
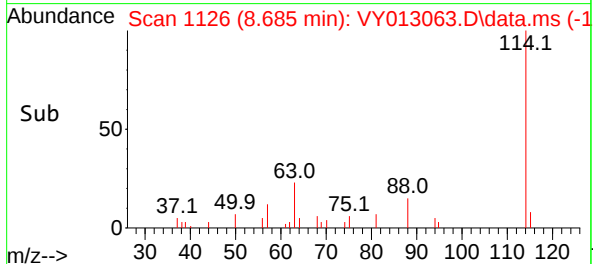
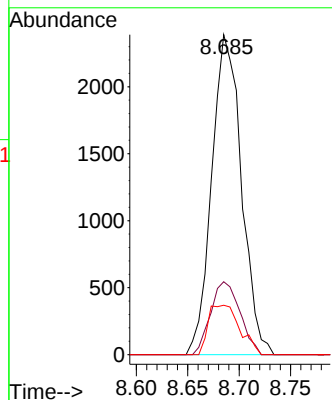
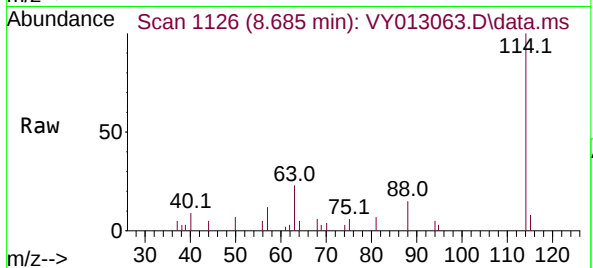
Tgt Ion:114 Resp: 4797

Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.4

88 15.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 68.014 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

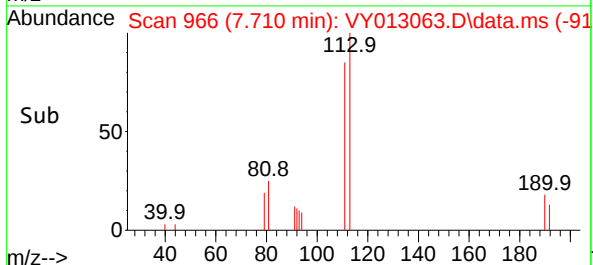
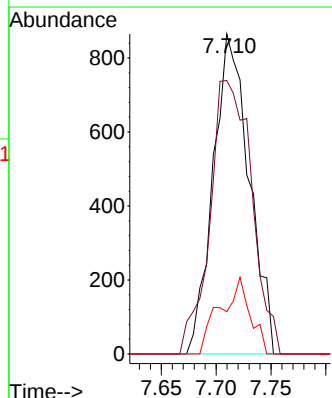
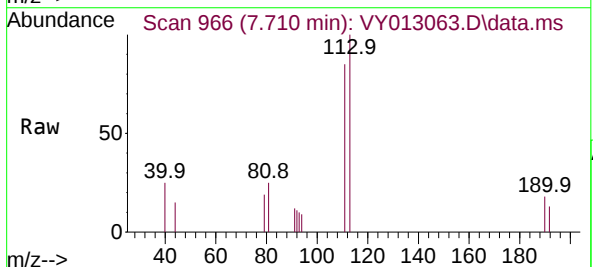
Tgt Ion:113 Resp: 1969

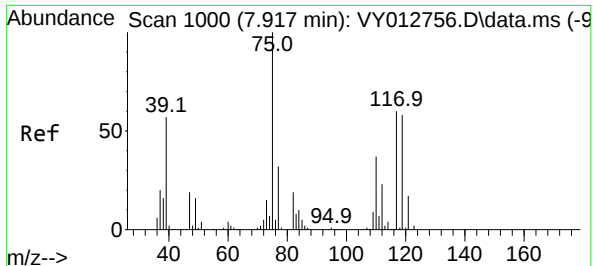
Ion Ratio Lower Upper

113 100

111 99.1 82.2 123.2

192 19.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 1.567 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-32123

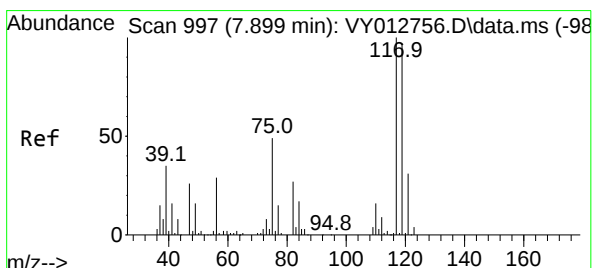
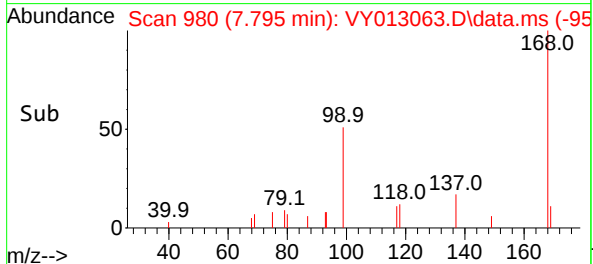
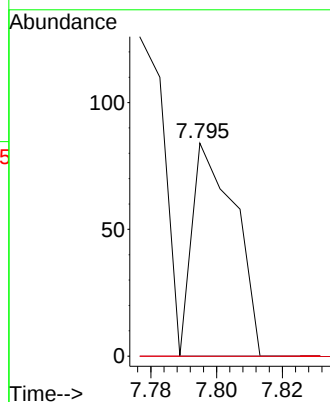
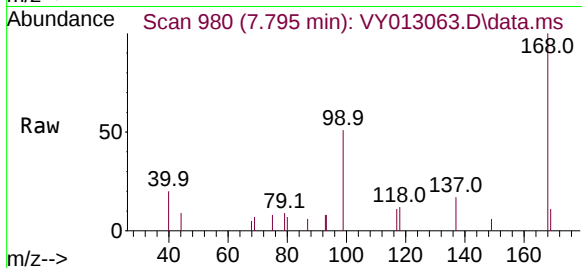
Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

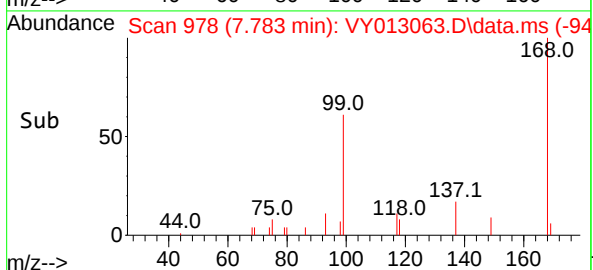
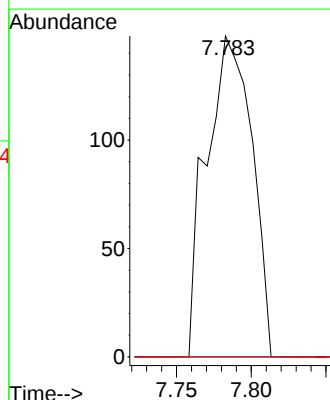
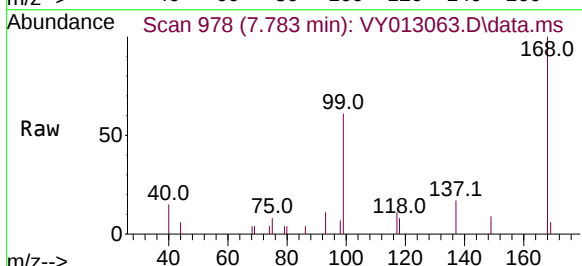
Tgt Ion: 117 Resp: 314

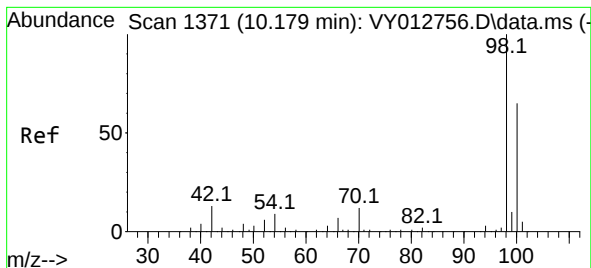
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 55.927 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

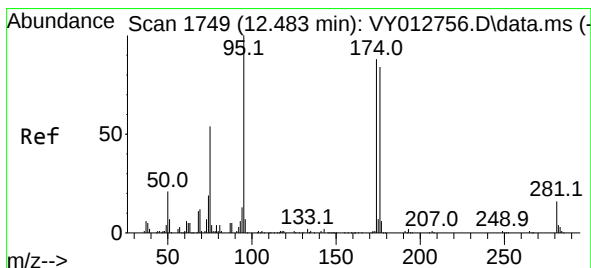
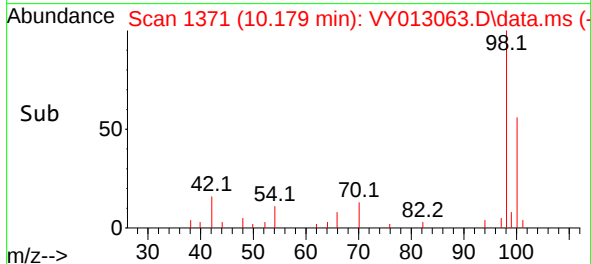
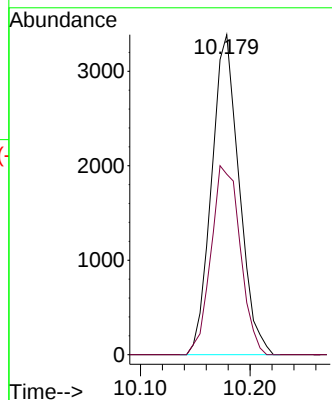
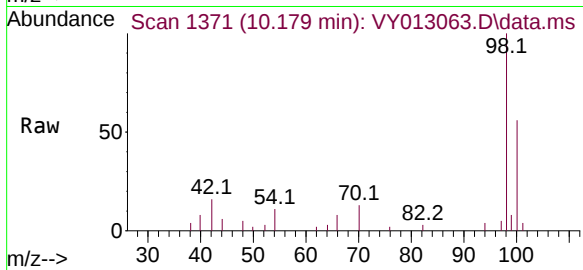
AU-05-32123

Tgt Ion: 98 Resp: 5919

Ion Ratio Lower Upper

98 100

100 62.4 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 47.030 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

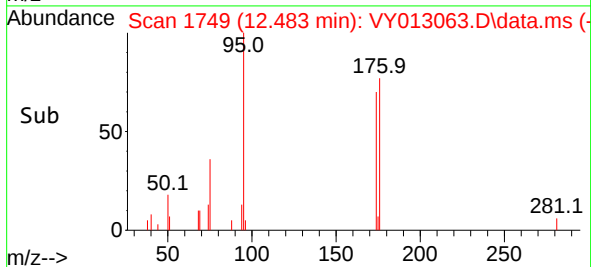
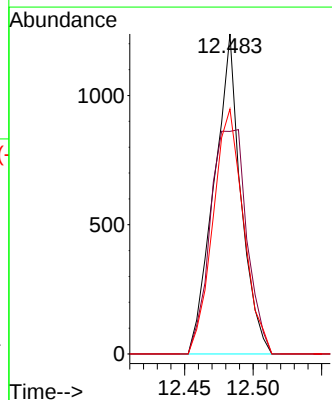
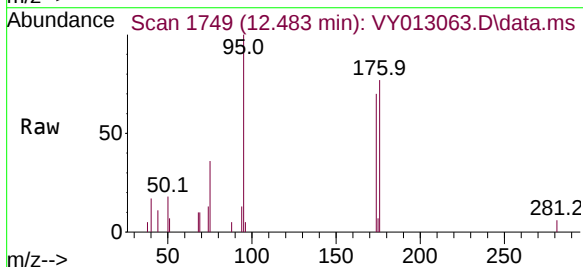
Tgt Ion: 95 Resp: 1680

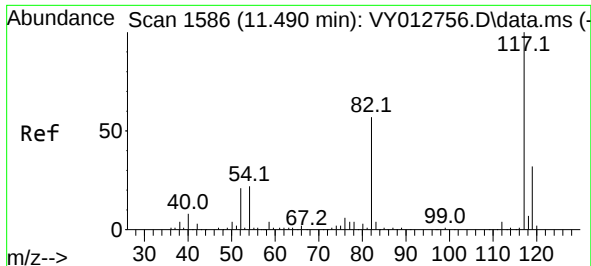
Ion Ratio Lower Upper

95 100

174 95.8 0.0 176.6

176 87.4 0.0 170.2

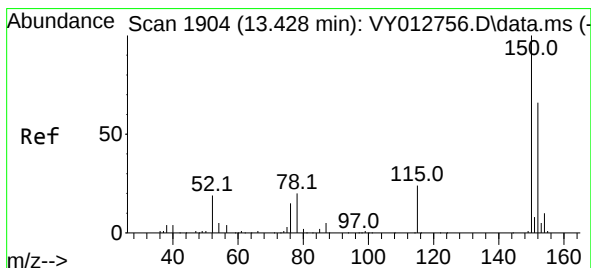
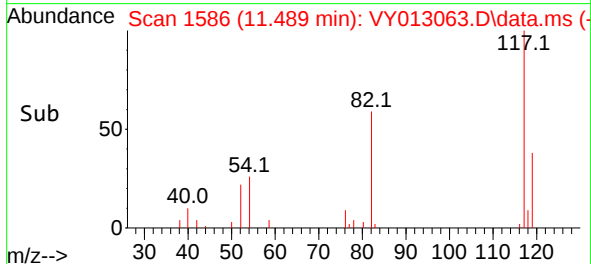
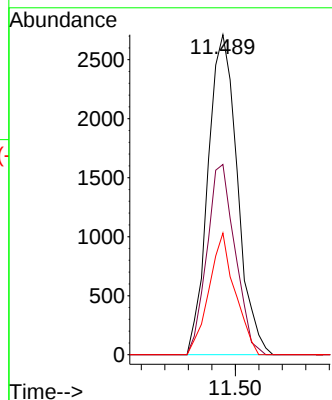
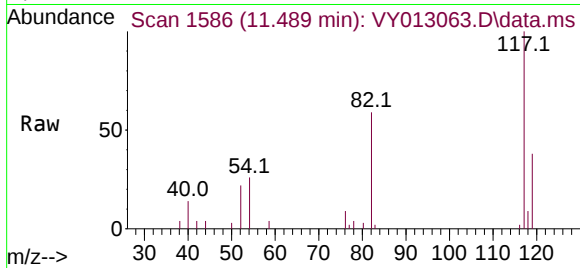




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013063.D
Acq: 23 Mar 2023 15:32

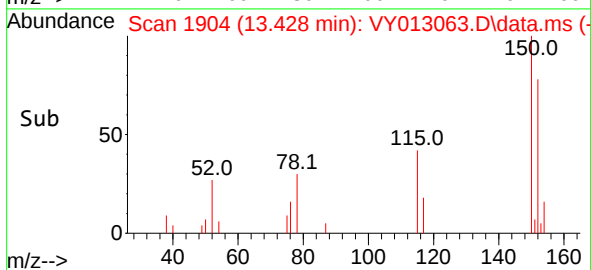
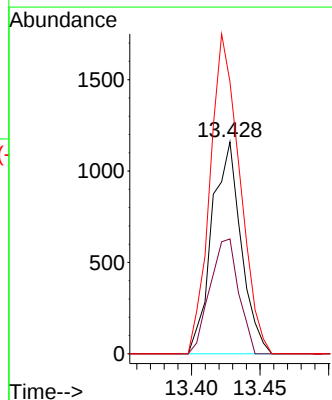
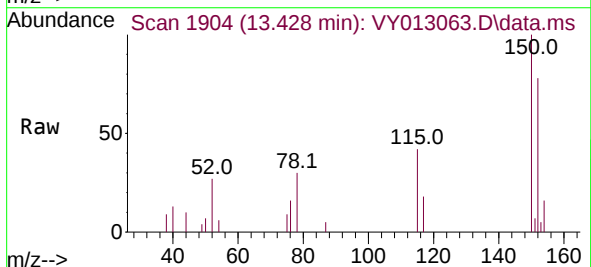
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-32123

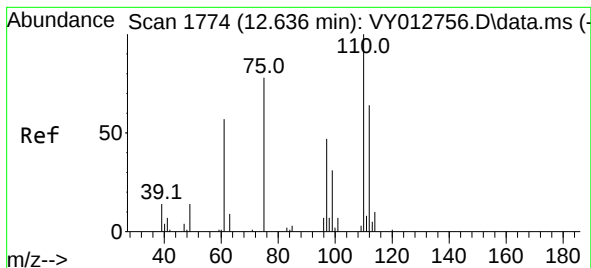
Tgt Ion:	117	Resp:	4714
Ion	Ratio	Lower	Upper
117	100		
82	59.5	45.4	68.0
119	38.0	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013063.D
Acq: 23 Mar 2023 15:32

Tgt Ion:	152	Resp:	1722
Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.1	81.3
150	153.5	0.0	347.8





#76

1,2,3-Trichloropropane

Concen: 39.536 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-32123

Tgt Ion: 75 Resp: 813

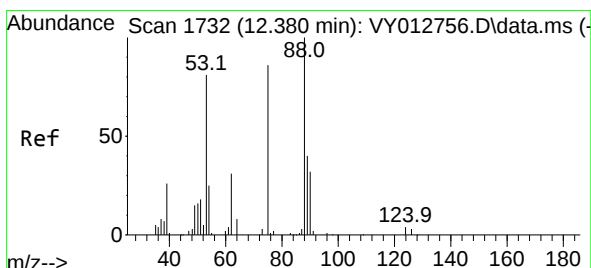
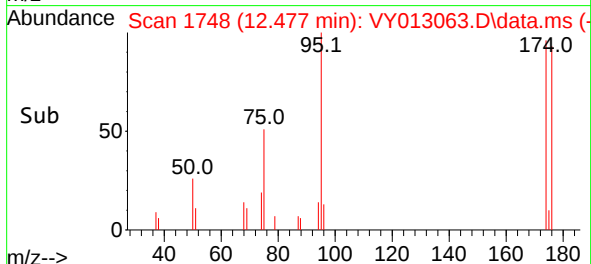
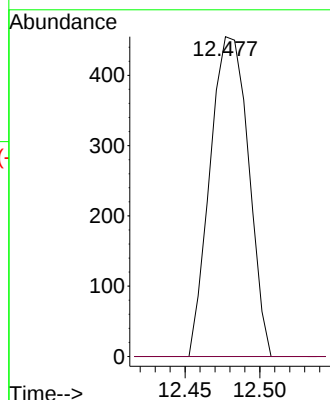
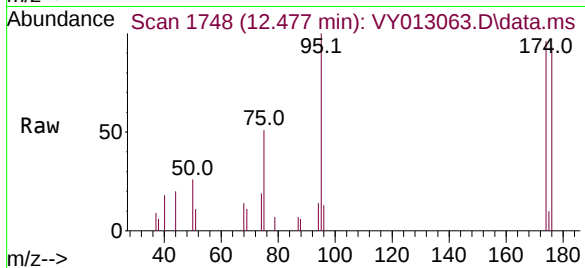
Ion Ratio Lower Upper

75 100

77 0.0

0.0

0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 81.920 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY013063.D

Acq: 23 Mar 2023 15:32

Tgt Ion: 75 Resp: 813

Ion Ratio Lower Upper

75 100

53 0.0

73.4

110.0#

89 0.0

36.6

55.0#

