

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012905.D
 Acq On : 09 Mar 2023 17:37
 Operator : KP/MD
 Sample : 01846-03
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Mar 10 00:33:22 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)

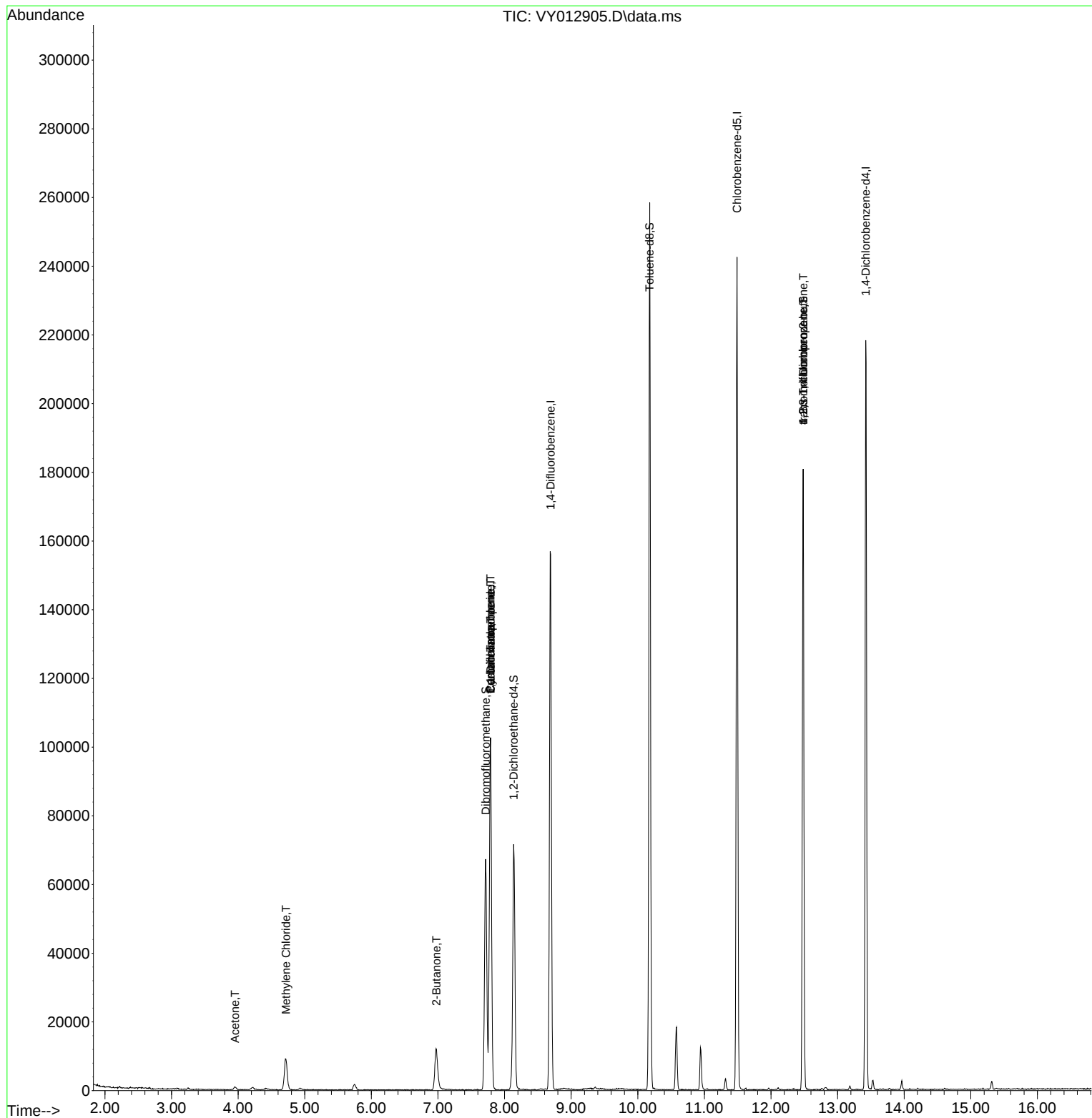
Internal Standards						
1) Pentafluorobenzene	7.789	168	81638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	135593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	125055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	53453	65.946	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.900%
35) Dibromofluoromethane	7.716	113	46218	56.480	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.960%
50) Toluene-d8	10.179	98	162272	54.243	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.480%
62) 4-Bromofluorobenzene	12.483	95	49338	48.863	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	339	Below Cal	#	74
16) Acetone	3.954	43	1491	4.686	ug/l	93
20) Methylene Chloride	4.716	84	6908	1.952	ug/l	95
25) 2-Butanone	6.978	43	970	2.462	ug/l #	84
31) Cyclohexane	7.789	56	1802	1.161	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	6245	4.554	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7832	5.531	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	25947	38.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25947	78.755	ug/l #	13

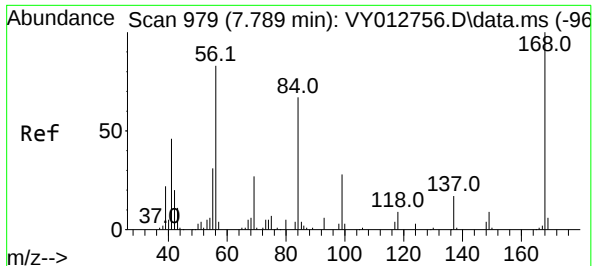
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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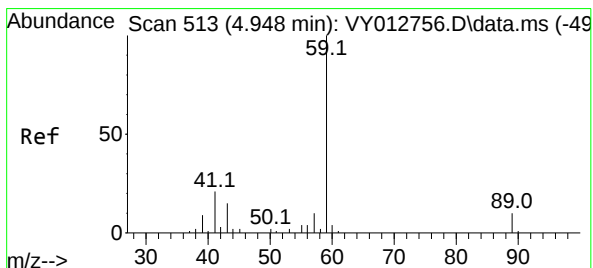
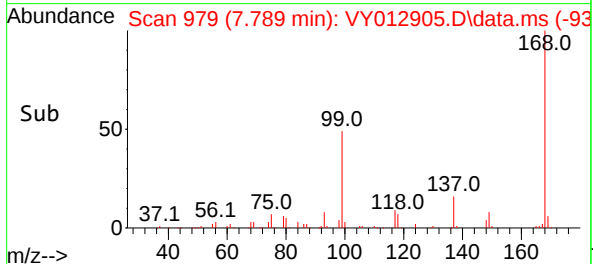
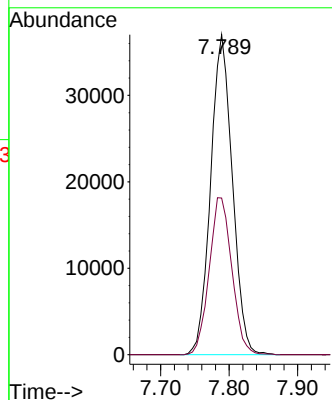
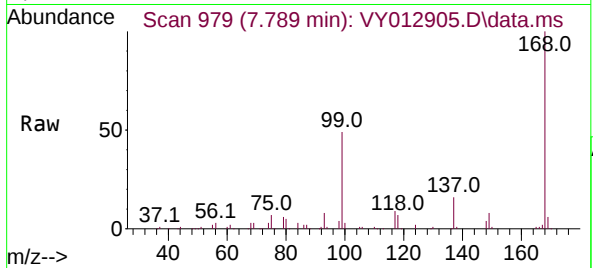




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

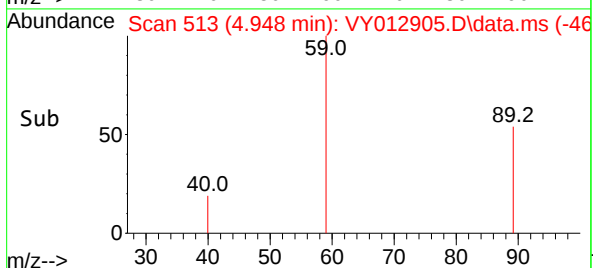
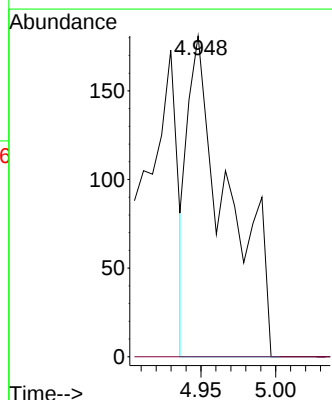
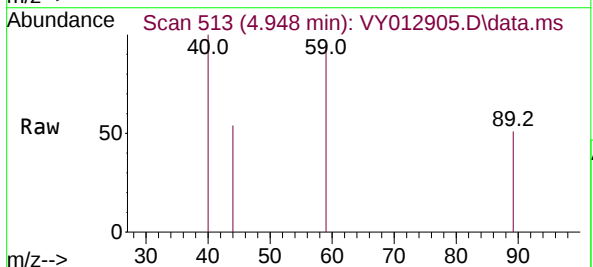
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

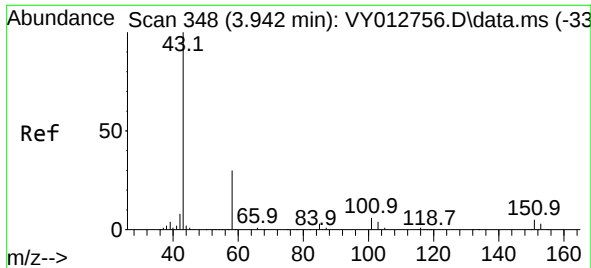
Tgt Ion:168 Resp: 81638
Ion Ratio Lower Upper
168 100
99 48.9 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

Tgt Ion: 59 Resp: 339
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 4.686 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012905.D

Acq: 09 Mar 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

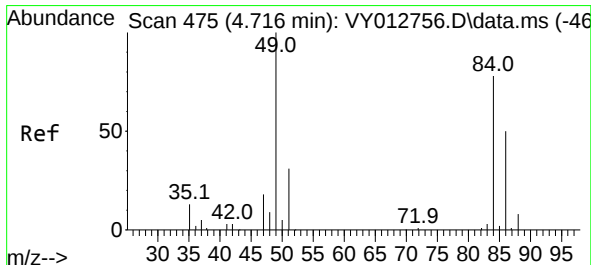
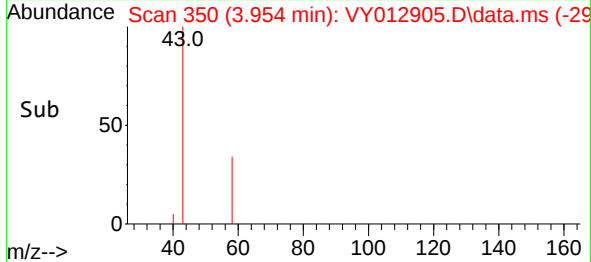
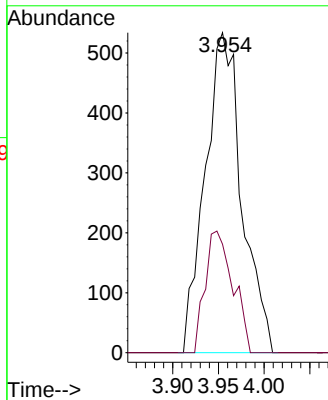
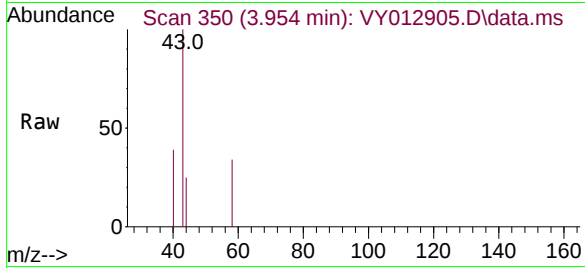
TP-4

Tgt Ion: 43 Resp: 1491

Ion Ratio Lower Upper

43 100

58 33.9 24.2 36.2



#20

Methylene Chloride

Concen: 1.952 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012905.D

Acq: 09 Mar 2023 17:37

Tgt Ion: 84 Resp: 6908

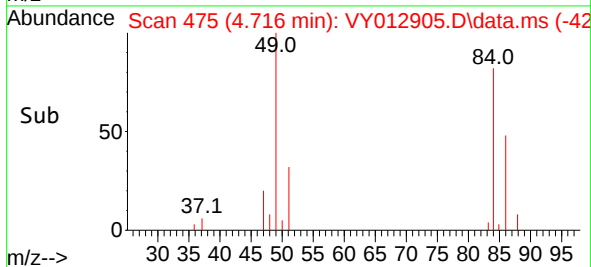
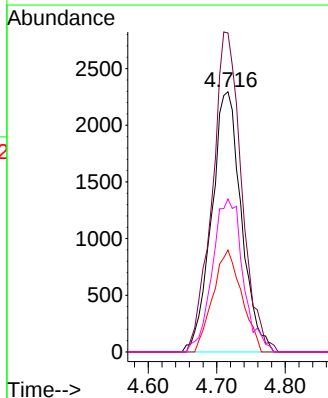
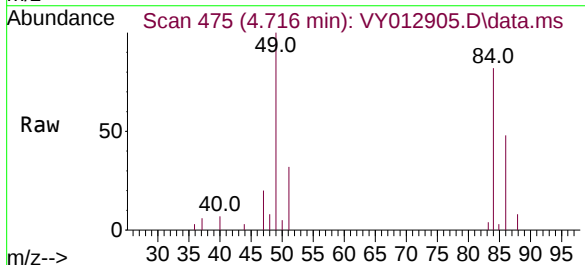
Ion Ratio Lower Upper

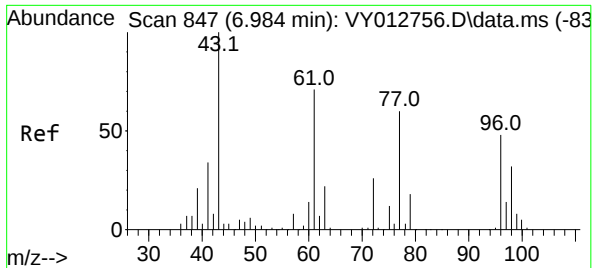
84 100

49 122.7 102.6 154.0

51 39.2 31.9 47.9

86 58.8 51.0 76.6

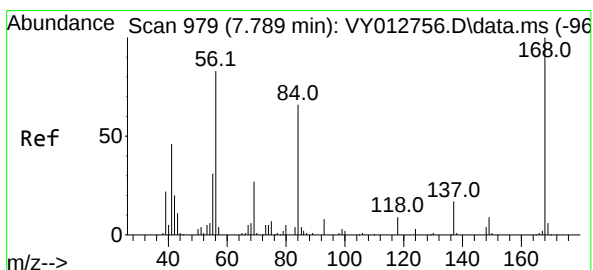
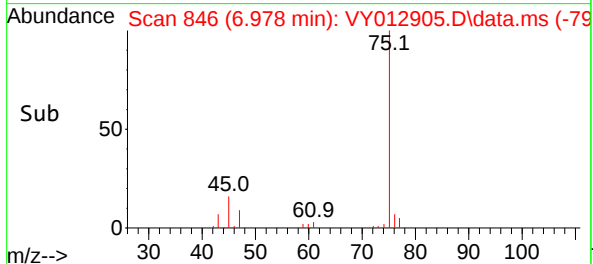
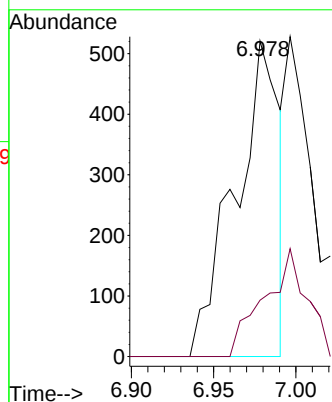
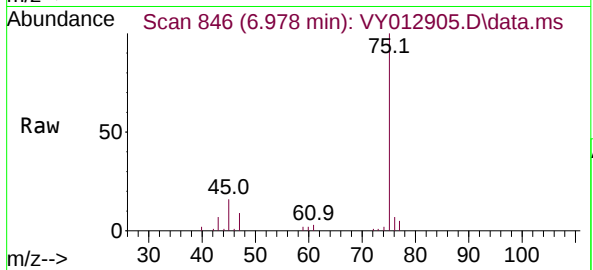




#25
2-Butanone
Concen: 2.462 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

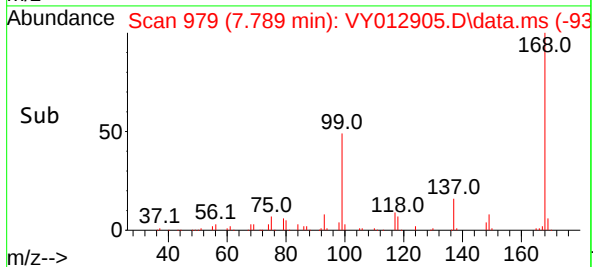
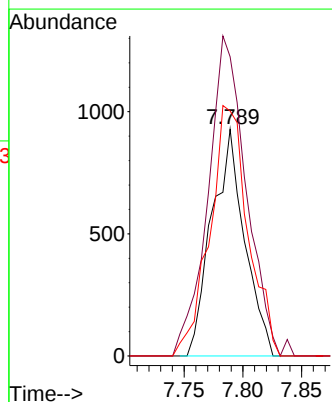
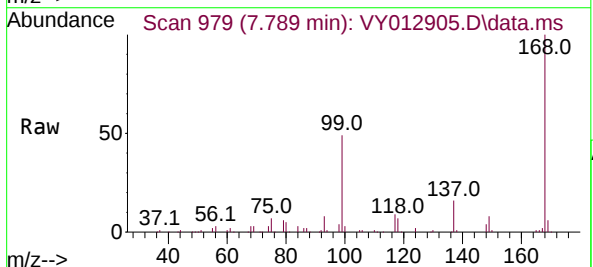
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

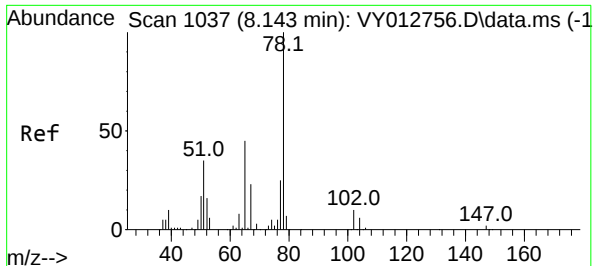
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
72 17.9 21.0 31.4#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

Tgt Ion: 56 Resp: 1802
Ion Ratio Lower Upper
56 100
69 132.0 25.7 38.5#
84 108.1 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 65.946 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012905.D

Acq: 09 Mar 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

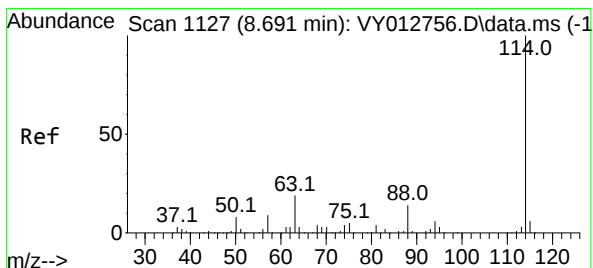
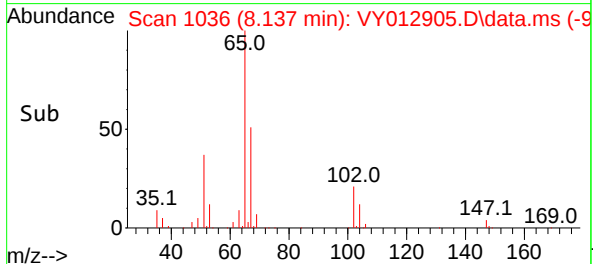
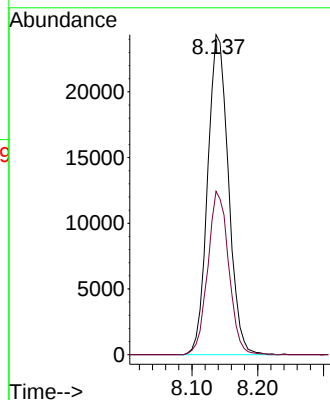
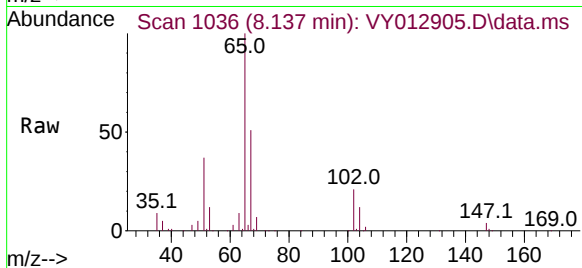
TP-4

Tgt Ion: 65 Resp: 53453

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012905.D

Acq: 09 Mar 2023 17:37

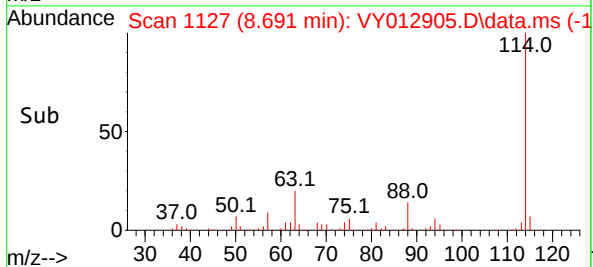
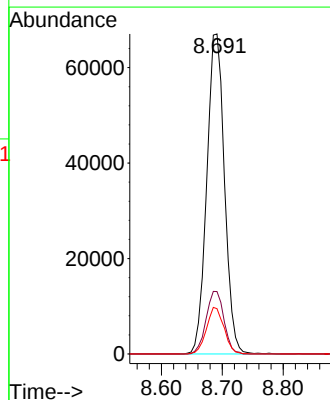
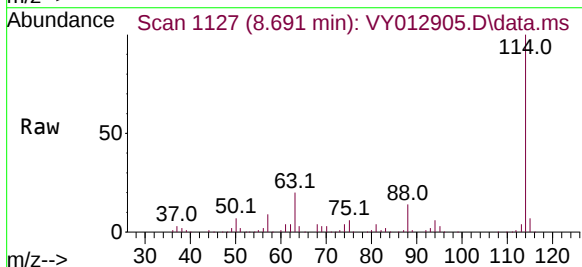
Tgt Ion: 114 Resp: 135593

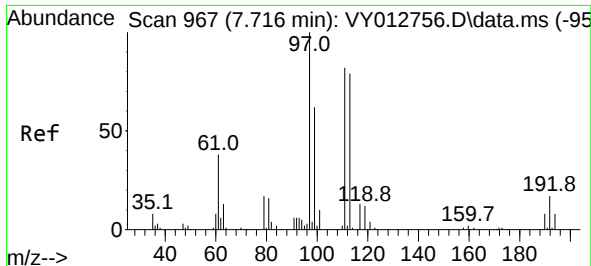
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 14.1 0.0 28.6





#35

Dibromofluoromethane

Concen: 56.480 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY012905.D

Acq: 09 Mar 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

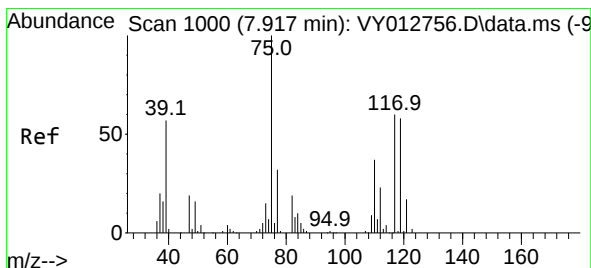
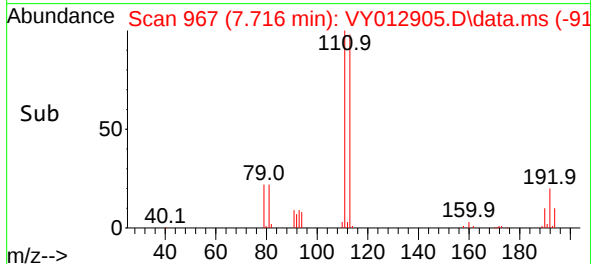
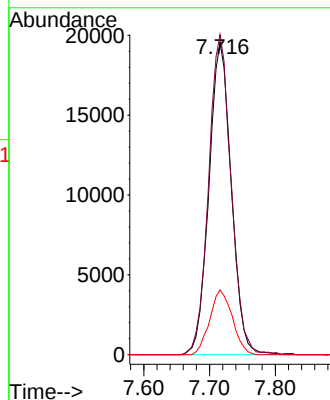
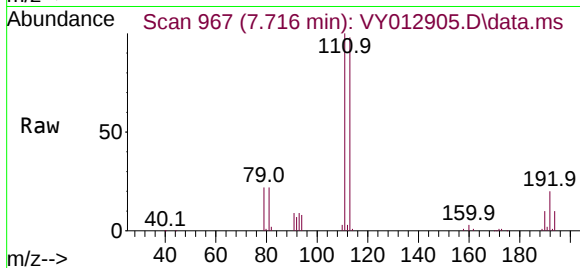
Tgt Ion:113 Resp: 46218

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 20.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.554 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY012905.D

Acq: 09 Mar 2023 17:37

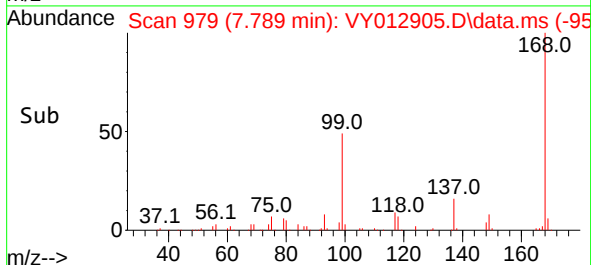
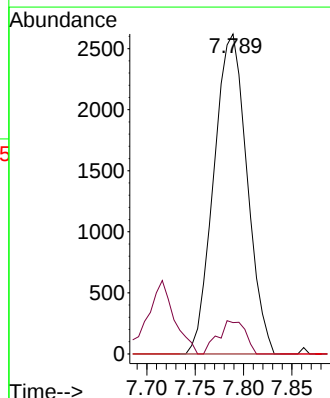
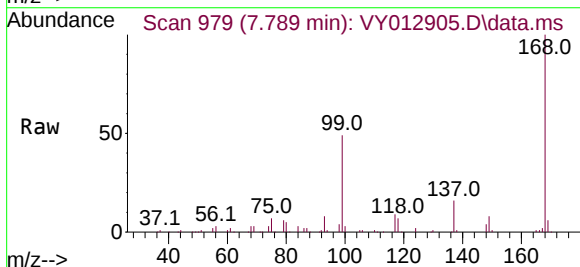
Tgt Ion: 75 Resp: 6245

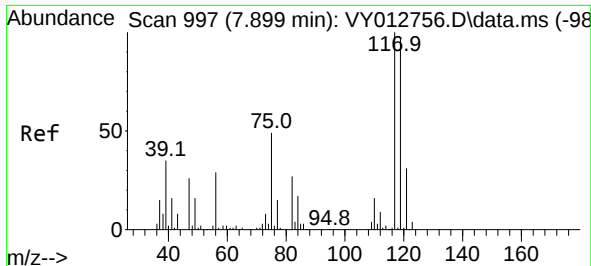
Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.3#

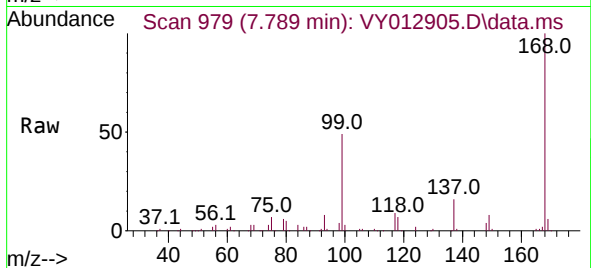
77 0.0 25.0 37.4#



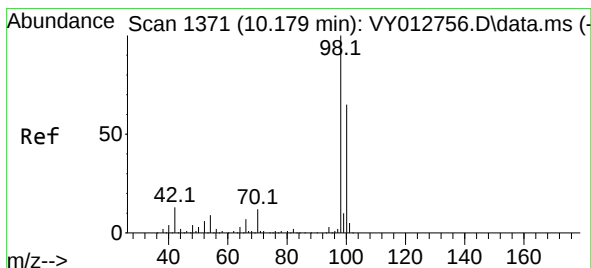
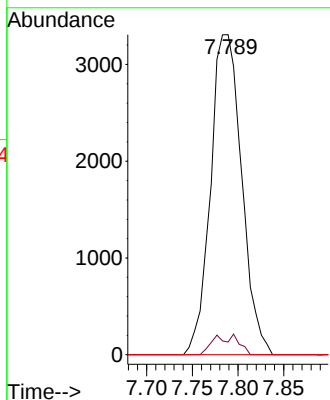
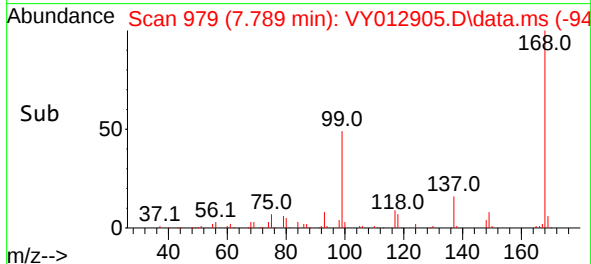


#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

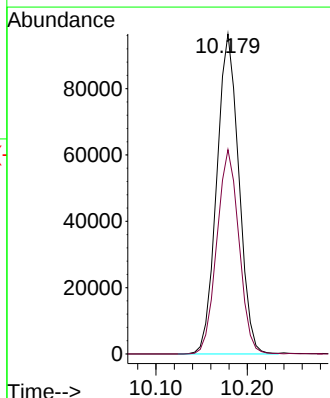
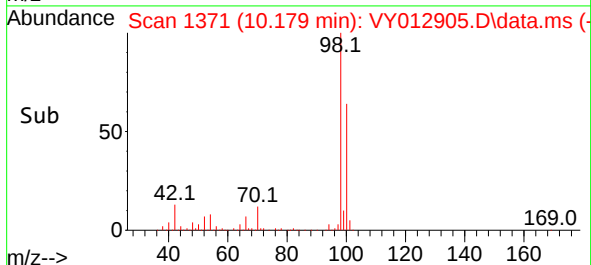
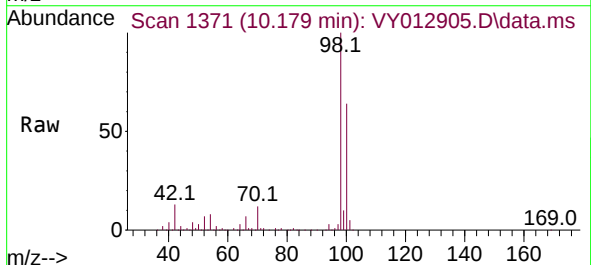


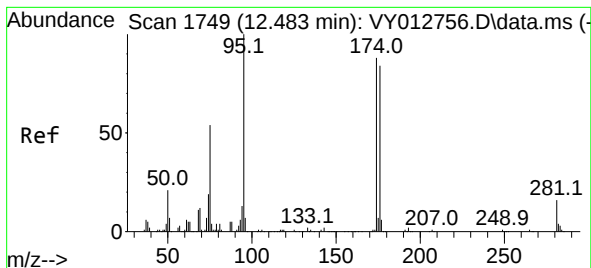
Tgt Ion:117 Resp: 7832
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.243 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

Tgt Ion: 98 Resp: 162272
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

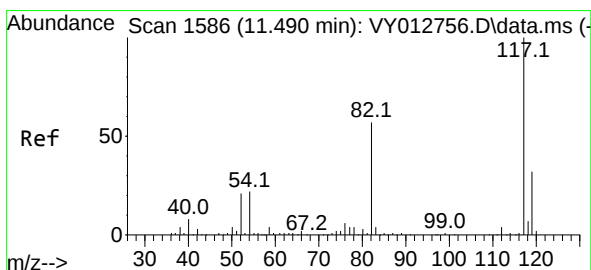
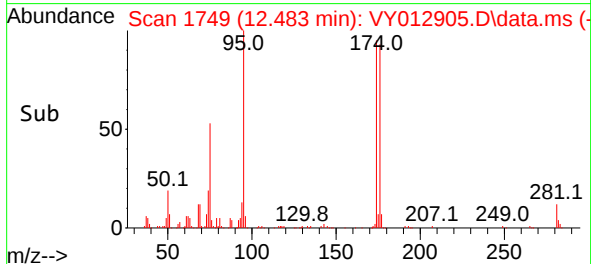
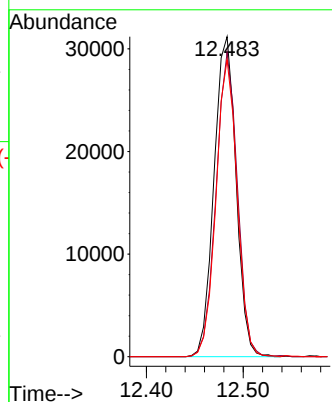
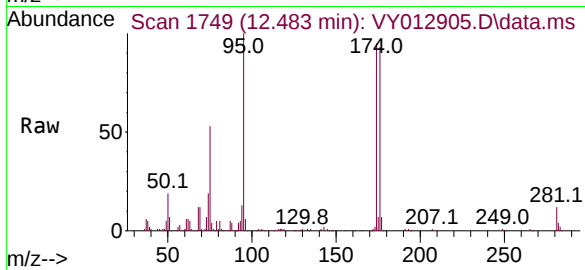




#62
4-Bromofluorobenzene
Concen: 48.863 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

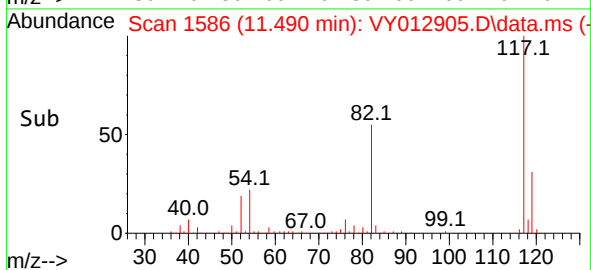
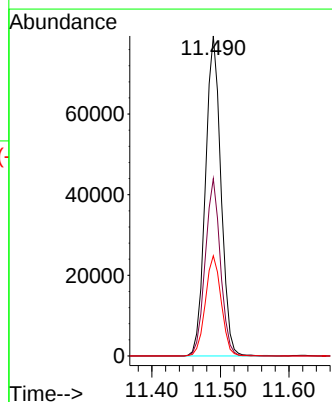
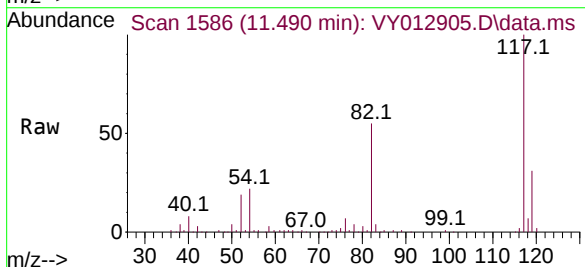
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

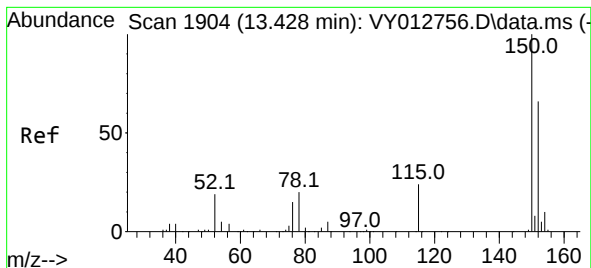
Tgt Ion: 95 Resp: 49338
Ion Ratio Lower Upper
95 100
174 92.2 0.0 176.6
176 89.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012905.D
Acq: 09 Mar 2023 17:37

Tgt Ion: 117 Resp: 125055
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 31.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012905.D

Acq: 09 Mar 2023 17:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

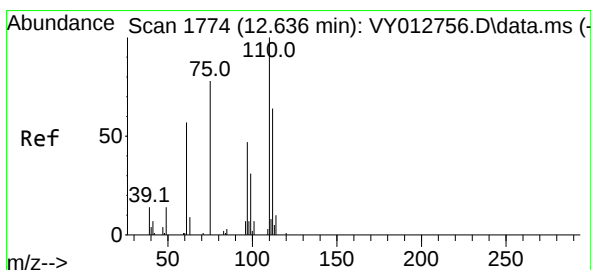
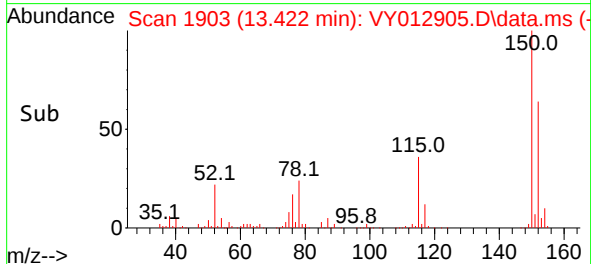
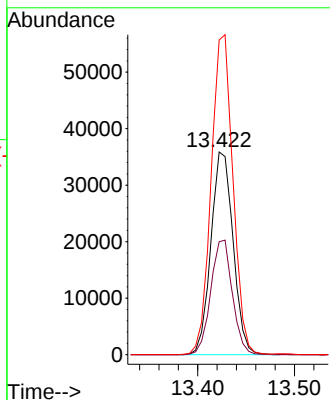
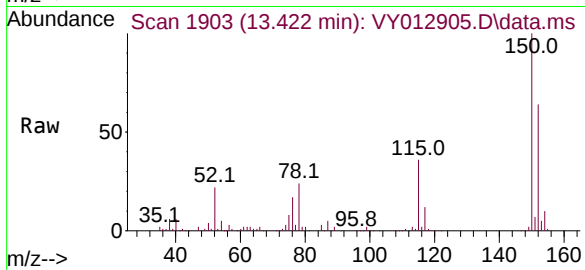
Tgt Ion:152 Resp: 57167

Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.3

150 155.2 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 38.008 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012905.D

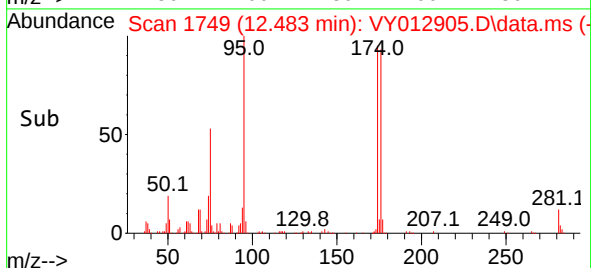
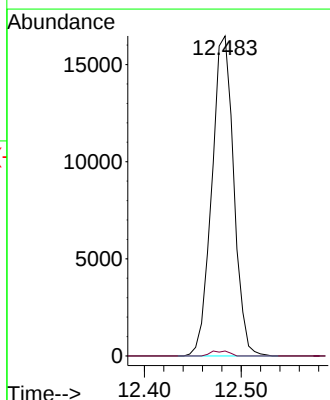
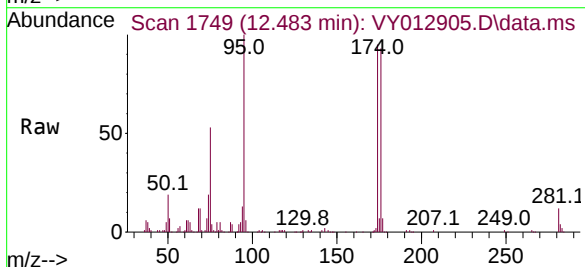
Acq: 09 Mar 2023 17:37

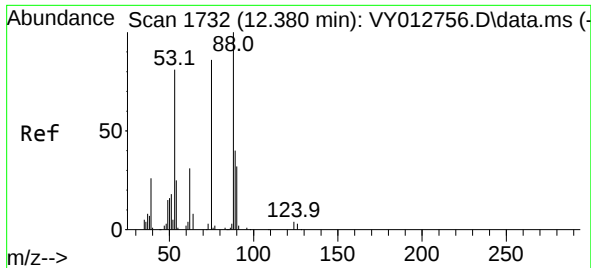
Tgt Ion: 75 Resp: 25947

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.755 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012905.D
 Acq: 09 Mar 2023 17:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Tgt Ion: 75 Resp: 25947
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.1 36.6 55.0#

