

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012475.D
 Acq On : 03 Feb 2023 14:26
 Operator : KP/MD
 Sample : 01418-09
 Misc : 6.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:09:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

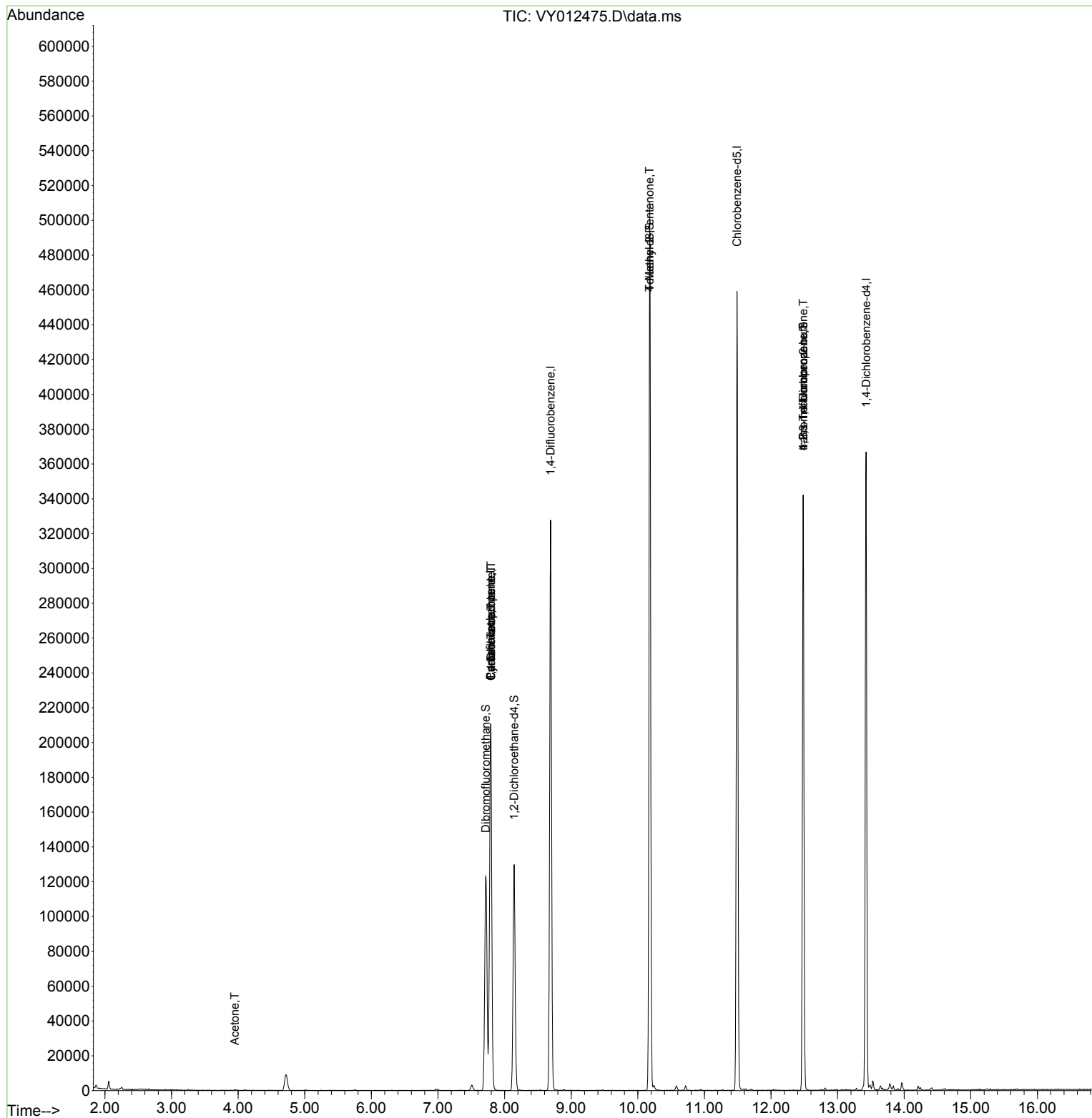
Internal Standards						
1) Pentafluorobenzene	7.789	168	169813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	283701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	261808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105091	76.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.540%	
35) Dibromofluoromethane	7.716	113	86525	57.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.200%	
50) Toluene-d8	10.179	98	338846	66.535	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.060%	
62) 4-Bromofluorobenzene	12.483	95	97891	46.226	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	50	Below Cal	#	74
16) Acetone	3.948	43	592	1.252	ug/l	96
20) Methylene Chloride	4.722	84	7567	Below Cal	#	92
31) Cyclohexane	7.795	56	3183	1.286	ug/l	# 17
36) 1,1-Dichloropropene	7.795	75	10948	4.288	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	17387	5.273	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.179	43	1133	1.015	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	51363	56.211	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	51363	115.820	ug/l	# 13

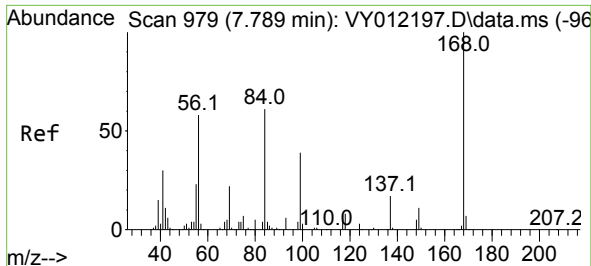
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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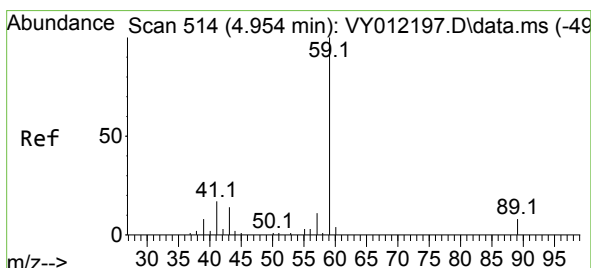
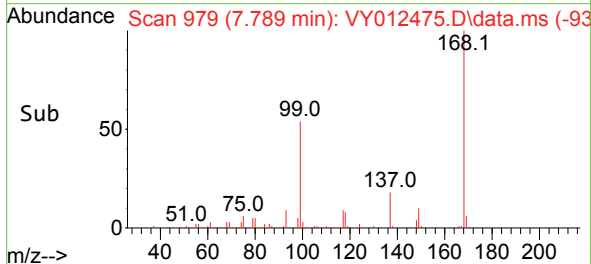
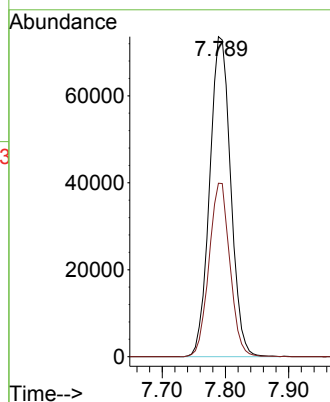
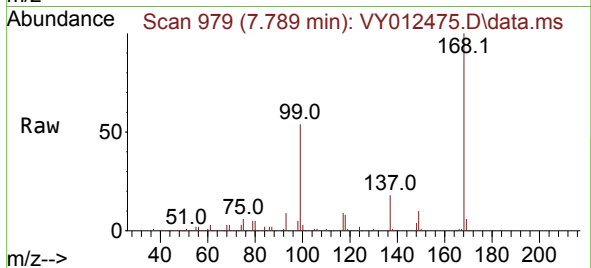




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

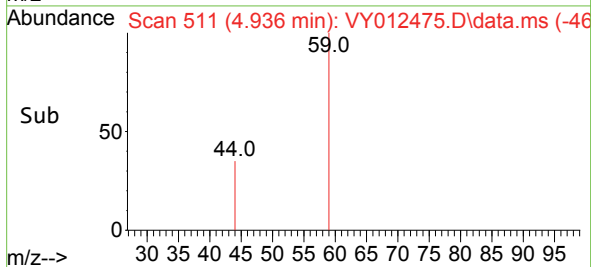
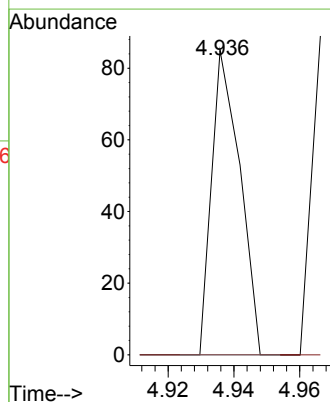
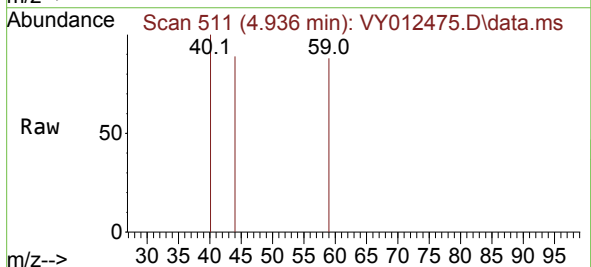
Instrument :
MSVOA_Y
ClientSampleId :

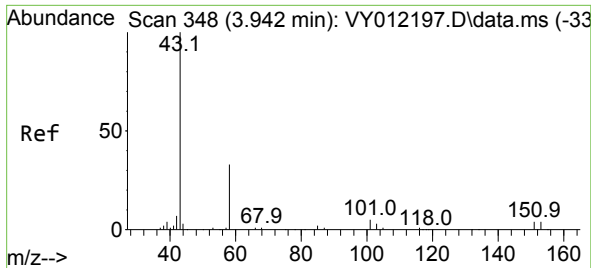
Tgt Ion:168 Resp: 169813
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

Tgt Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

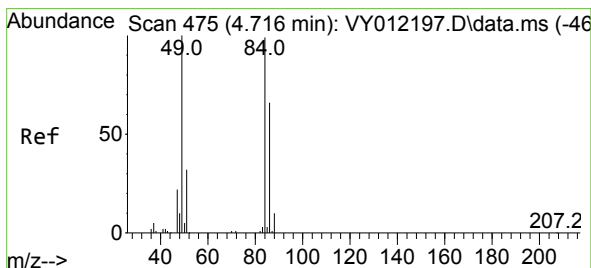
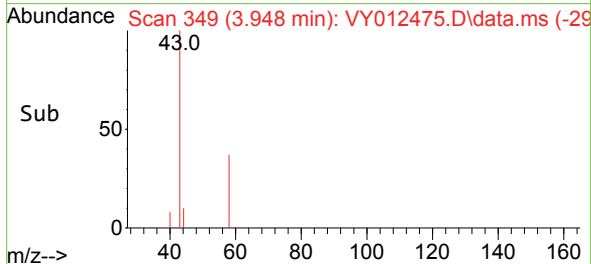
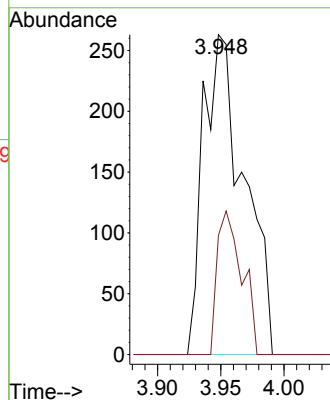
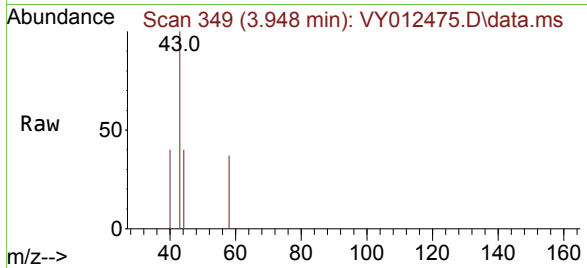




#16
Acetone
Concen: 1.252 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

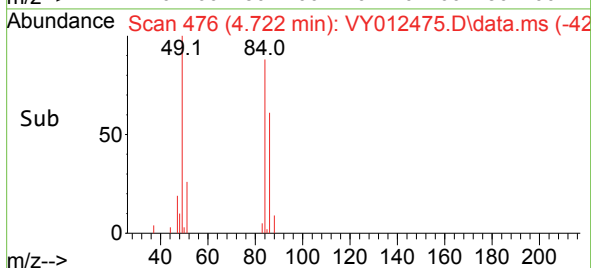
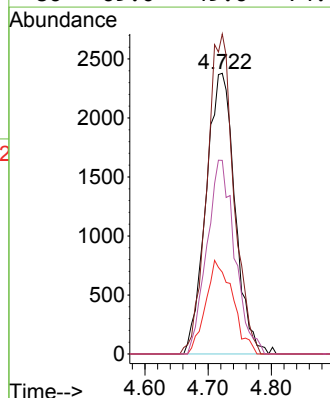
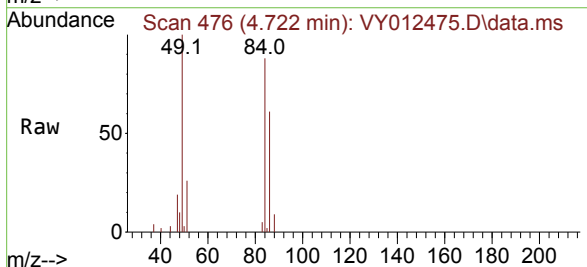
Instrument :
MSVOA_Y
ClientSampleId :

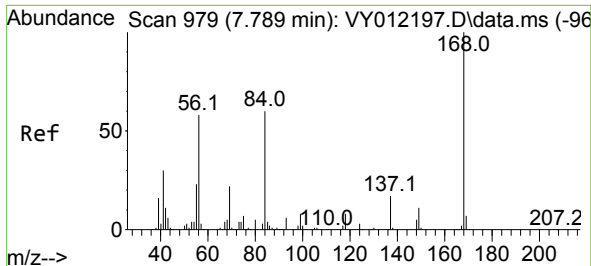
Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 37.3 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

Tgt Ion: 84 Resp: 7567
Ion Ratio Lower Upper
84 100
49 114.0 95.4 143.2
51 29.1 29.9 44.9#
86 69.0 49.6 74.4

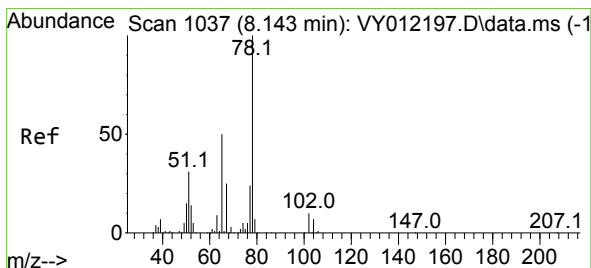
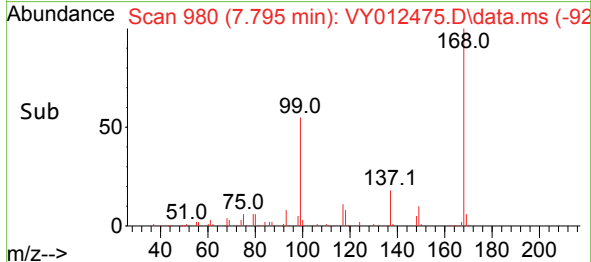
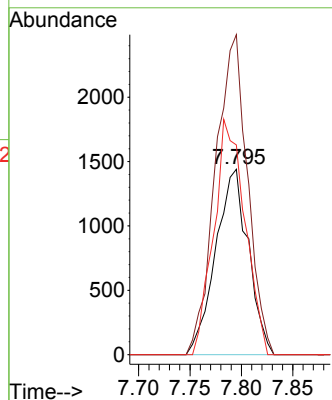
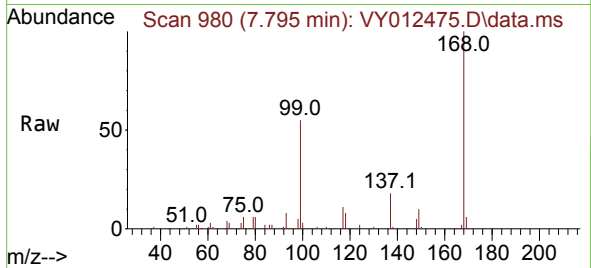




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

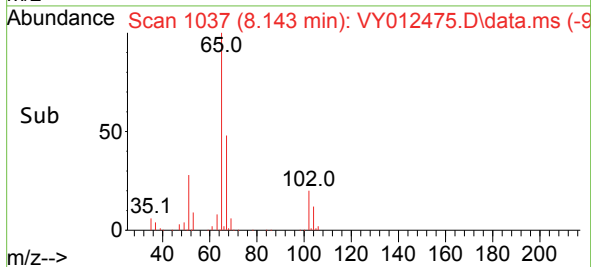
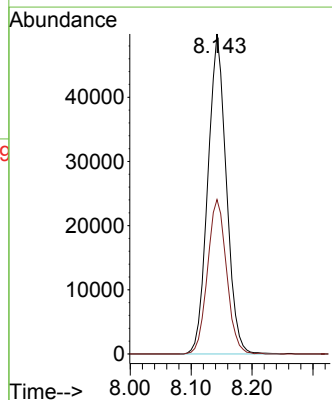
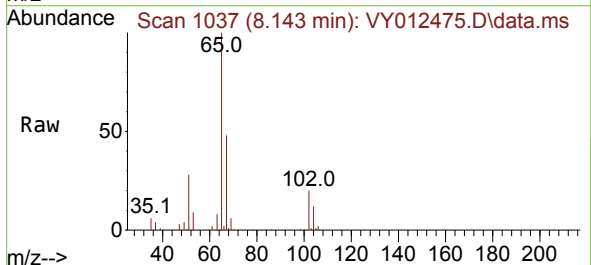
Instrument :
MSVOA_Y
ClientSampleId :

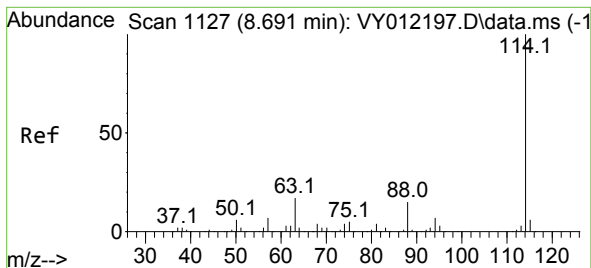
Tgt Ion: 56 Resp: 3183
Ion Ratio Lower Upper
56 100
69 172.5 29.2 43.8#
84 113.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 76.767 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

Tgt Ion: 65 Resp: 105091
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012475.D

Acq: 03 Feb 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :

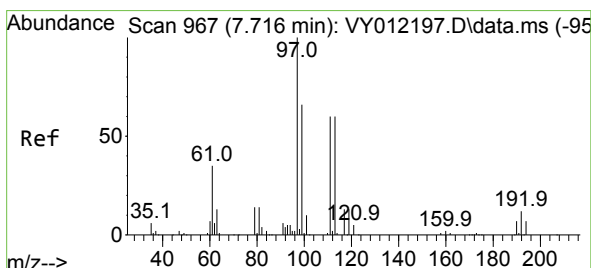
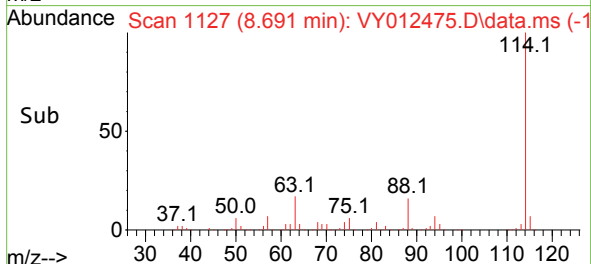
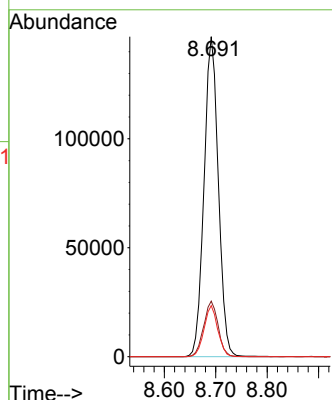
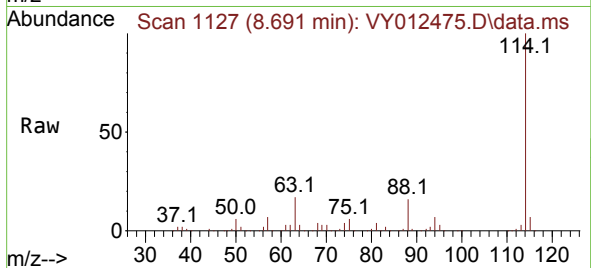
Tgt Ion:114 Resp: 283701

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.599 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012475.D

Acq: 03 Feb 2023 14:26

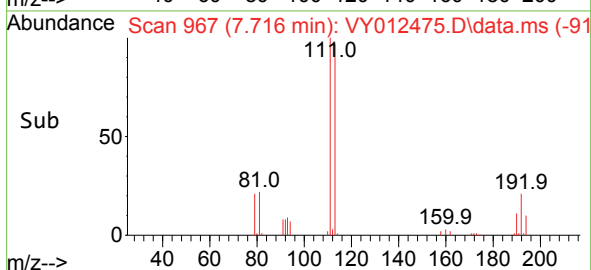
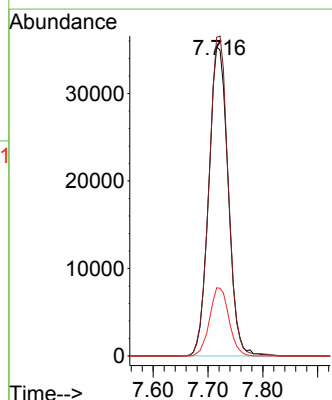
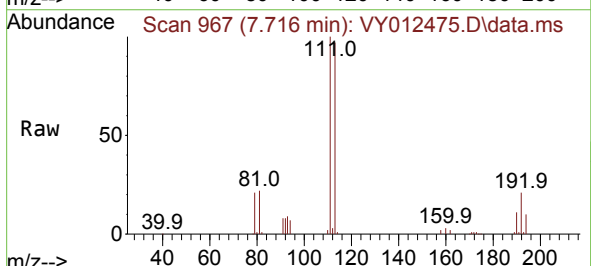
Tgt Ion:113 Resp: 86525

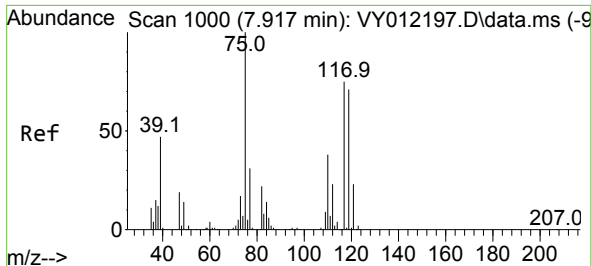
Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

192 22.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.288 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.122 min

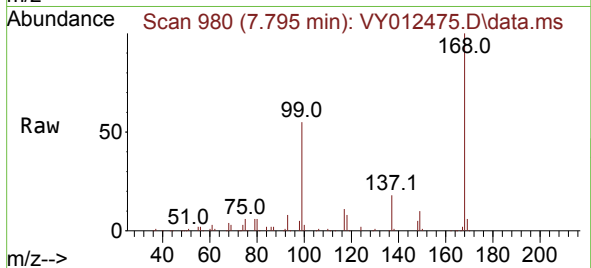
Lab File: VY012475.D

Acq: 03 Feb 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :



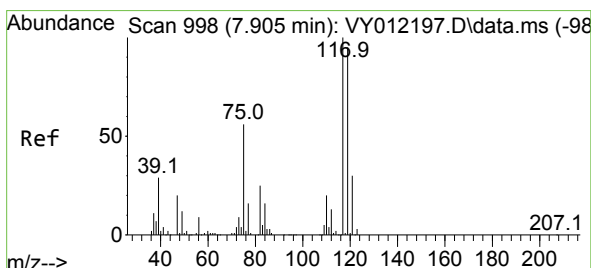
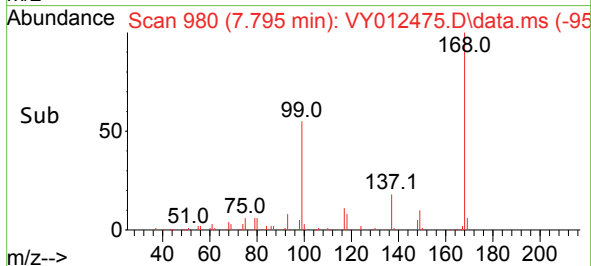
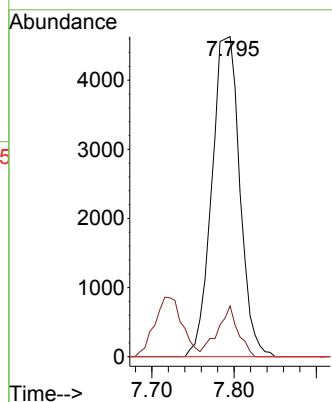
Tgt Ion: 75 Resp: 10948

Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.273 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012475.D

Acq: 03 Feb 2023 14:26

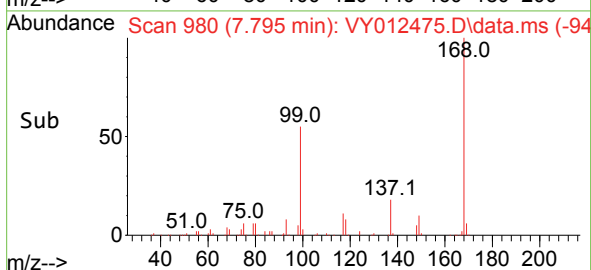
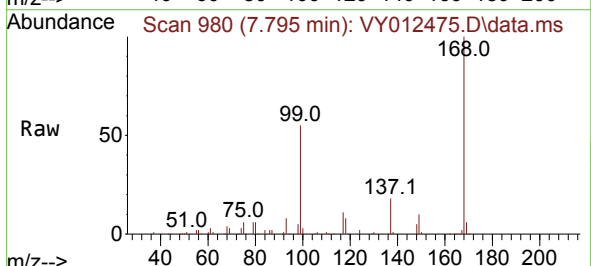
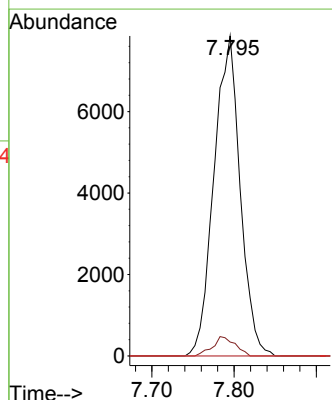
Tgt Ion: 117 Resp: 17387

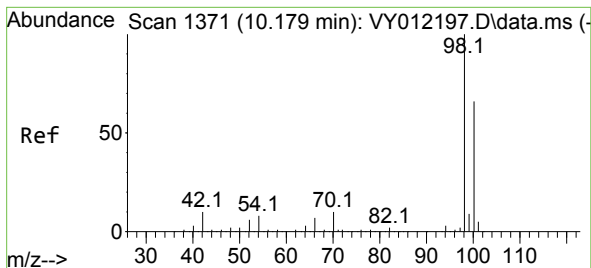
Ion Ratio Lower Upper

117 100

119 4.3 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 66.535 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012475.D

Acq: 03 Feb 2023 14:26

Instrument :

MSVOA_Y

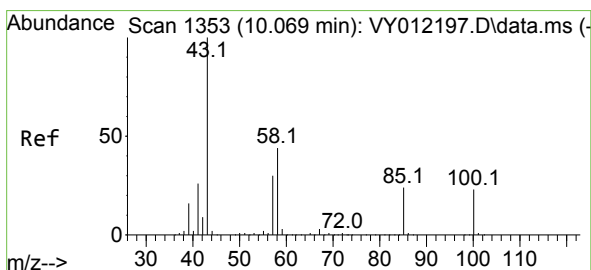
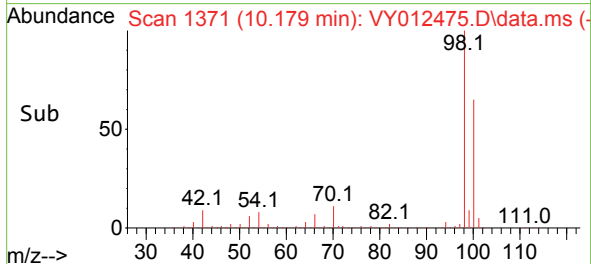
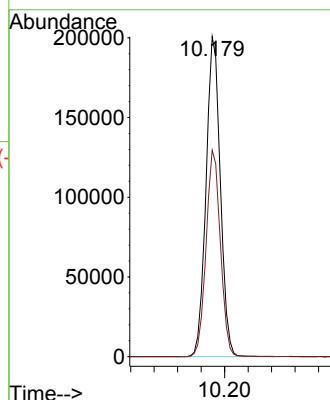
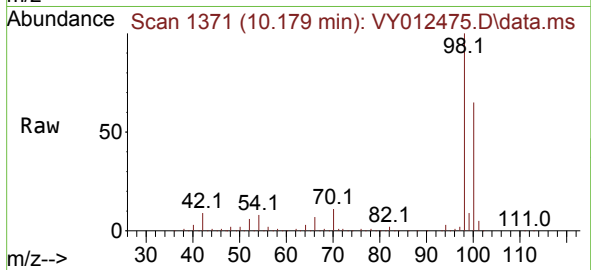
ClientSampleId :

Tgt Ion: 98 Resp: 338846

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.110 min

Lab File: VY012475.D

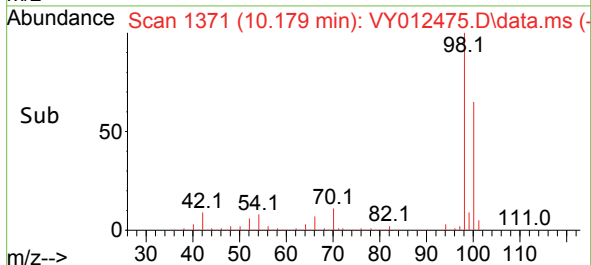
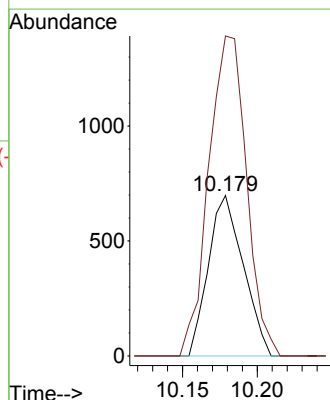
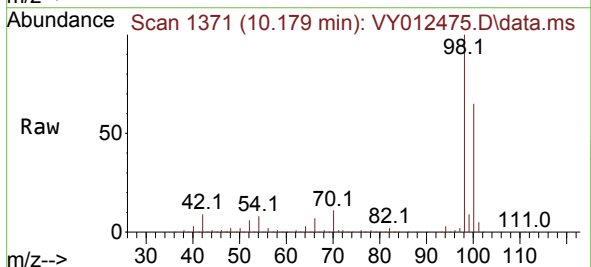
Acq: 03 Feb 2023 14:26

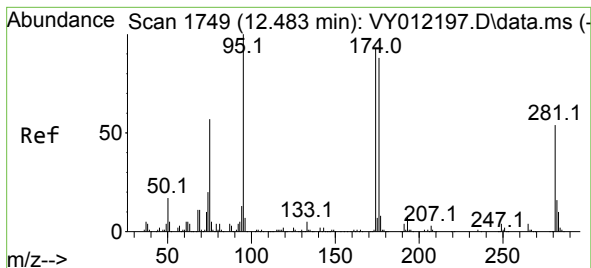
Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

58 215.8 32.9 49.3#

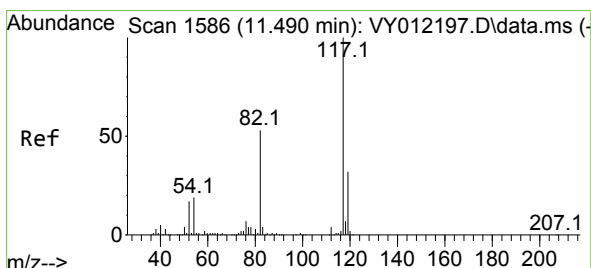
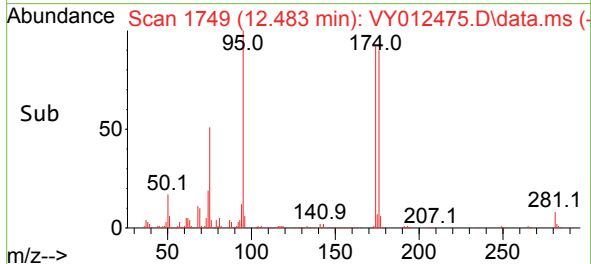
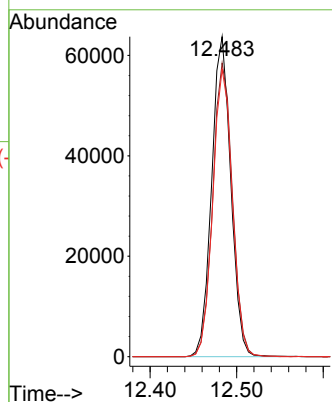
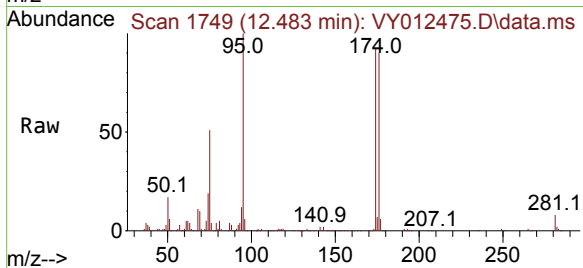




#62
4-Bromofluorobenzene
Concen: 46.226 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

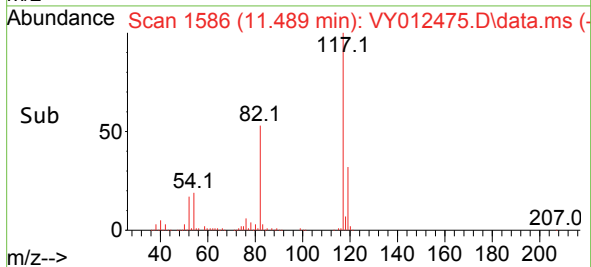
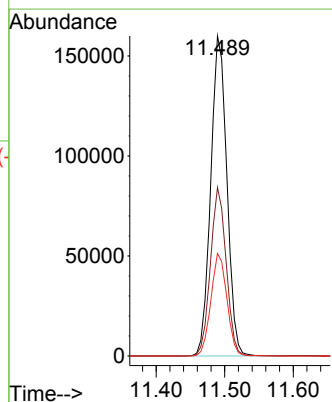
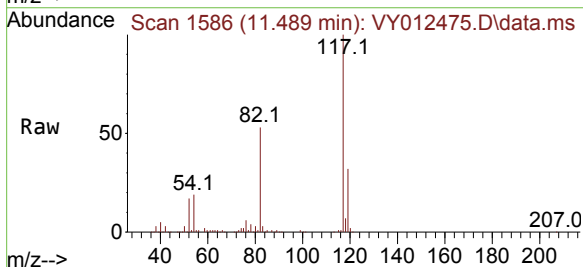
Instrument :
MSVOA_Y
ClientSampleId :

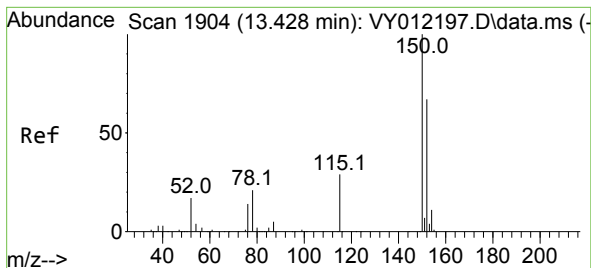
Tgt Ion: 95 Resp: 97891
Ion Ratio Lower Upper
95 100
174 94.4 0.0 172.0
176 91.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012475.D
Acq: 03 Feb 2023 14:26

Tgt Ion: 117 Resp: 261808
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 32.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

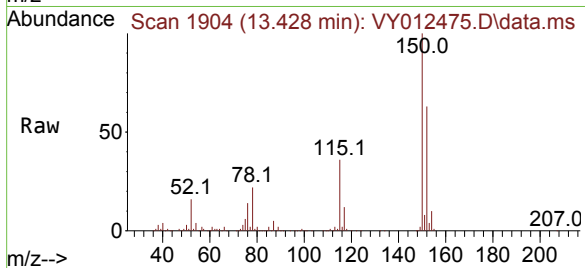
Lab File: VY012475.D

Acq: 03 Feb 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :



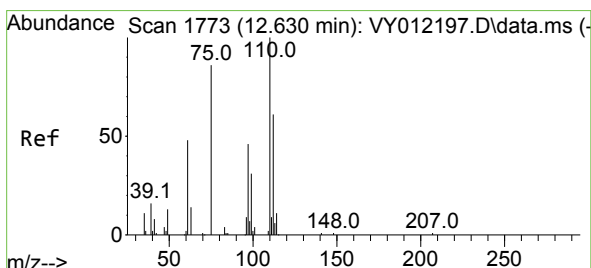
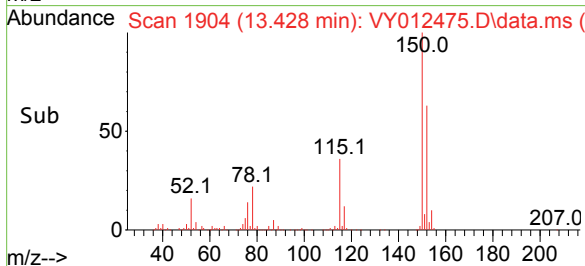
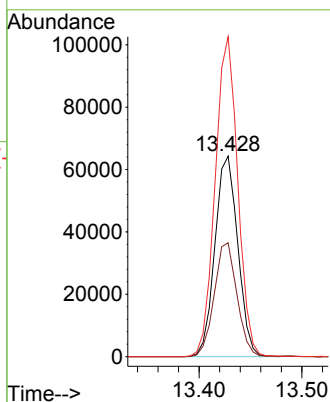
Tgt Ion:152 Resp: 99371

Ion Ratio Lower Upper

152 100

115 56.5 29.1 87.3

150 157.4 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 56.211 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012475.D

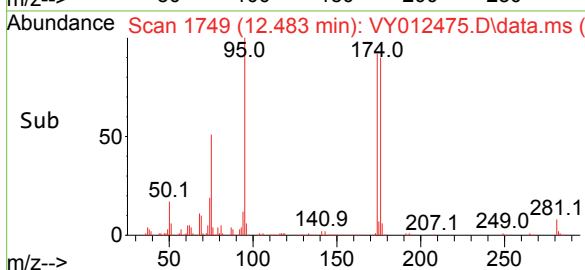
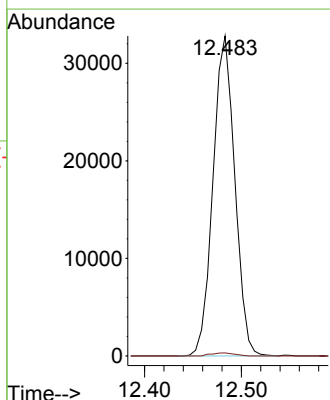
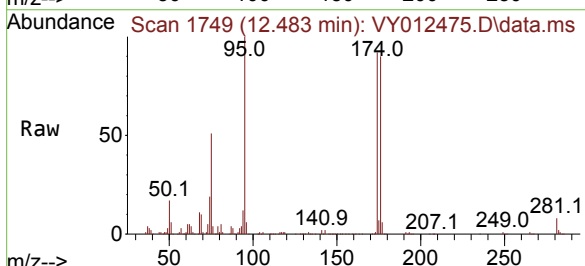
Acq: 03 Feb 2023 14:26

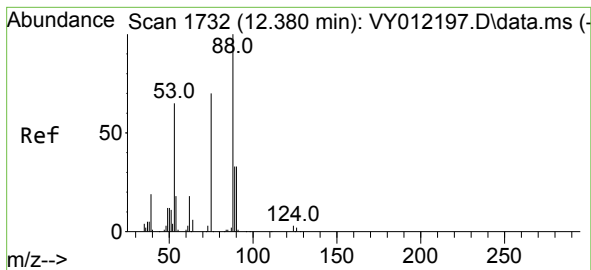
Tgt Ion: 75 Resp: 51363

Ion Ratio Lower Upper

75 100

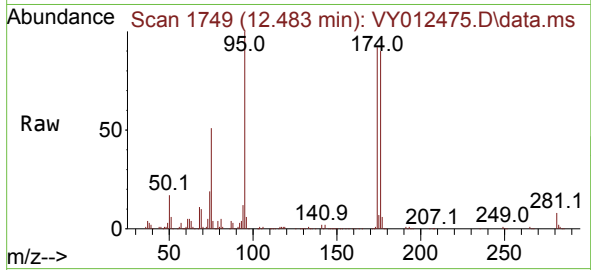
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.820 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012475.D
 Acq: 03 Feb 2023 14:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 51363
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.2 37.0 55.4#

