

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012284.D
 Acq On : 20 Jan 2023 12:42
 Operator : KP/MD
 Sample : 01190-03RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1D

Quant Time: Jan 23 02:18:17 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	211149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	351110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147638	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	114474	66.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.440%	
35) Dibromofluoromethane	7.722	113	103505	55.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.340%	
50) Toluene-d8	10.179	98	411842	65.257	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 130.520%	
62) 4-Bromofluorobenzene	12.483	95	135422	51.672	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.340%	

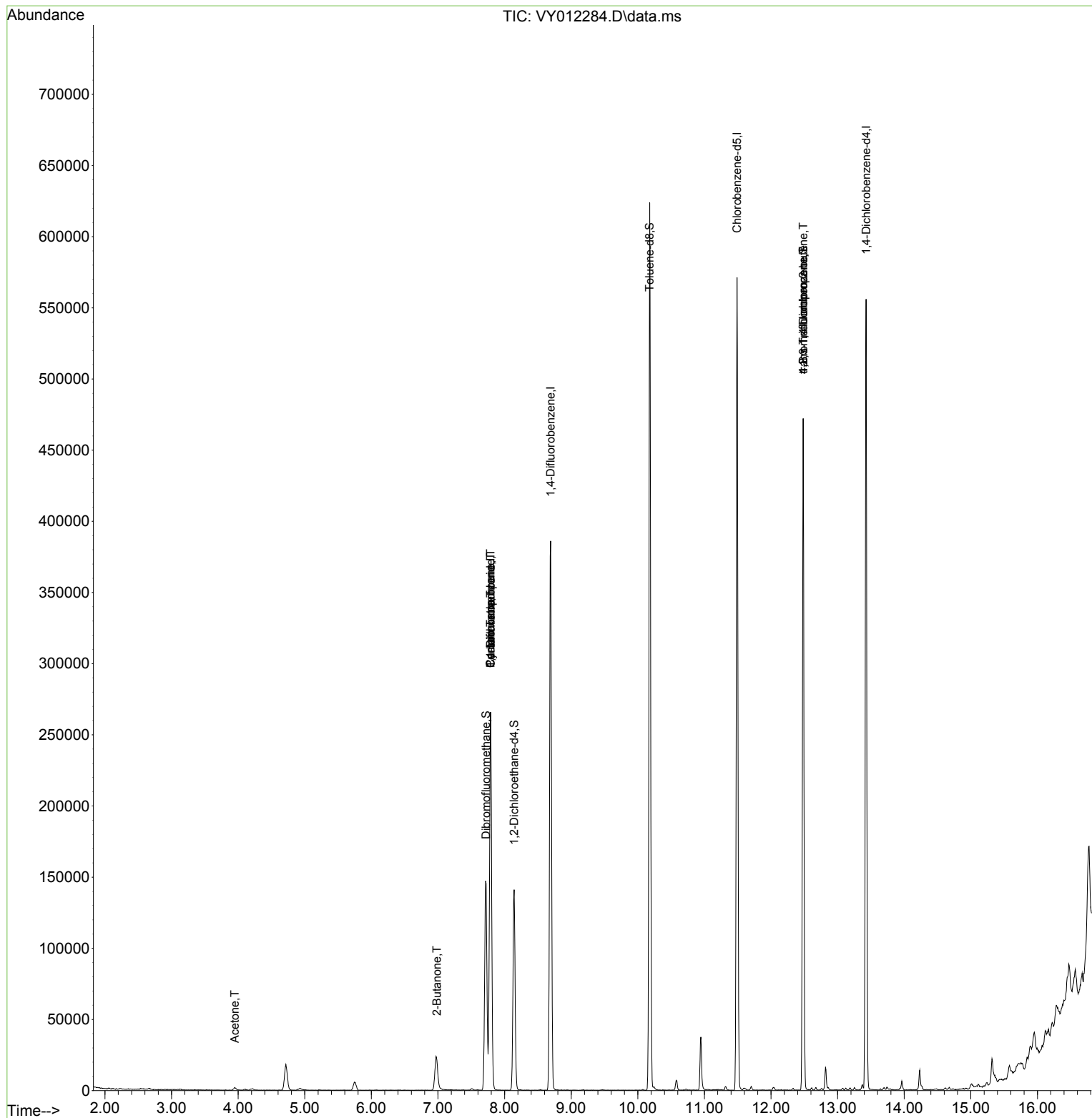
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.936	59	1691	Below Cal	#	74
16) Acetone	3.948	43	3214	5.466	ug/l	90
20) Methylene Chloride	4.710	84	14933	Below Cal	#	89
25) 2-Butanone	6.984	43	1329	2.047	ug/l	# 78
31) Cyclohexane	7.789	56	3682	1.196	ug/l	# 7
36) 1,1-Dichloropropene	7.789	75	14264	4.514	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	21065	5.162	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	69656	51.309	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	69656	105.719	ug/l	# 13

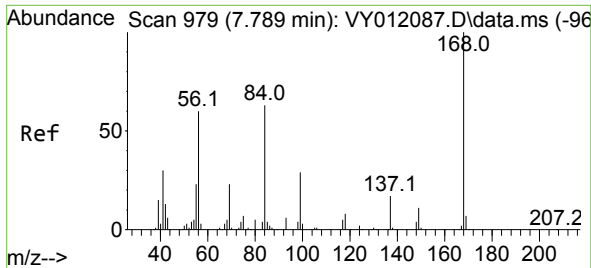
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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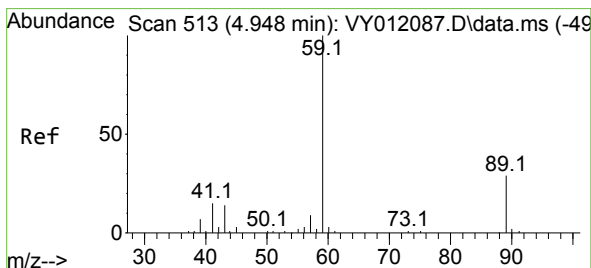
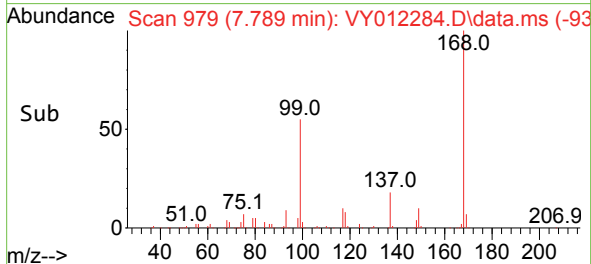
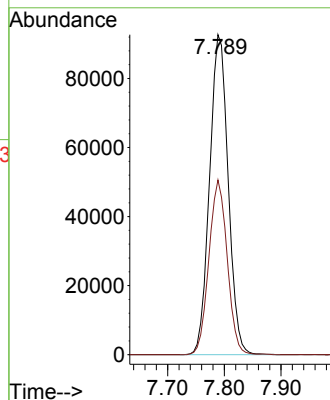
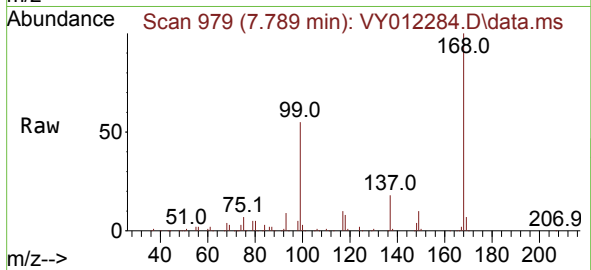




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

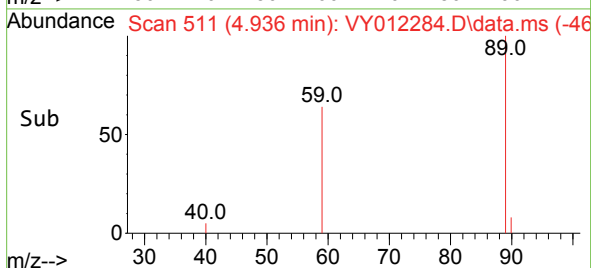
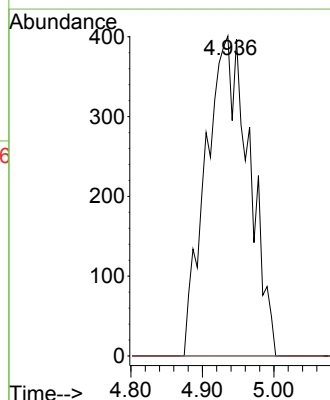
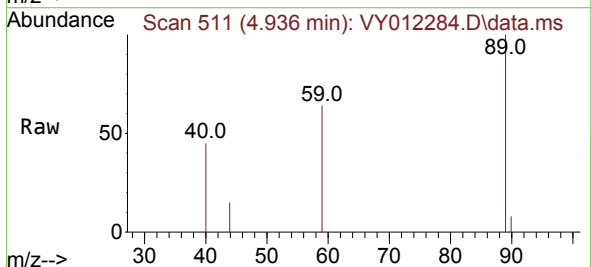
Instrument :
MSVOA_Y
ClientSampleId :
PE-1D

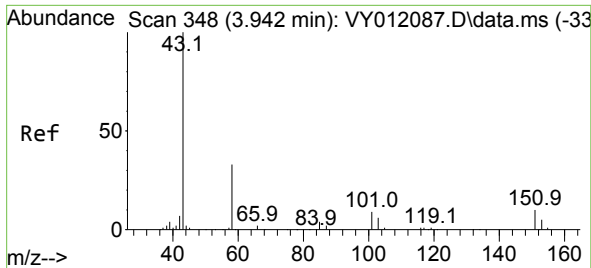
Tgt Ion:168 Resp: 211149
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

Tgt Ion: 59 Resp: 1691
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

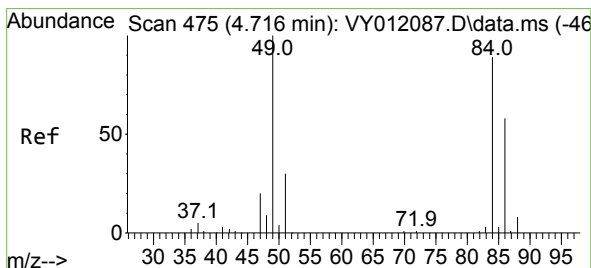
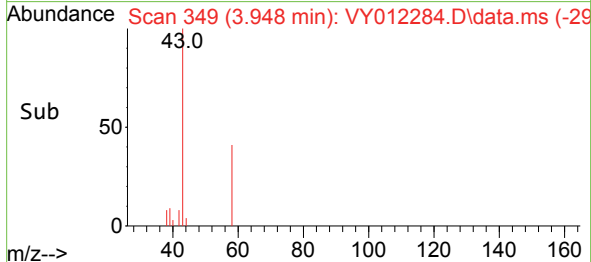
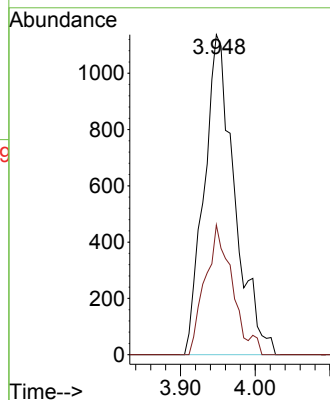
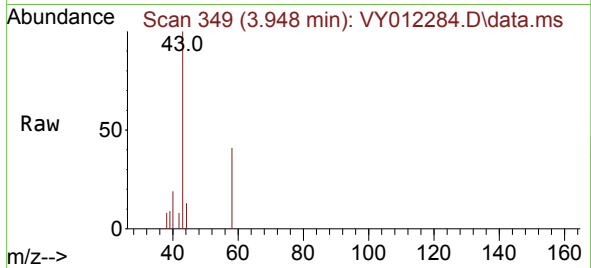




#16
Acetone
Concen: 5.466 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

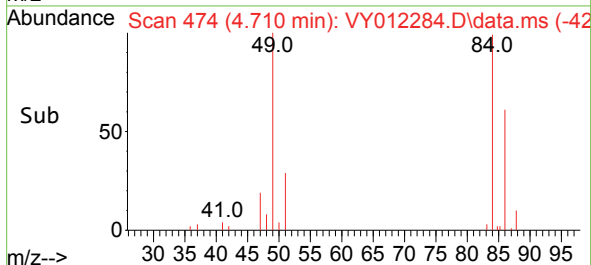
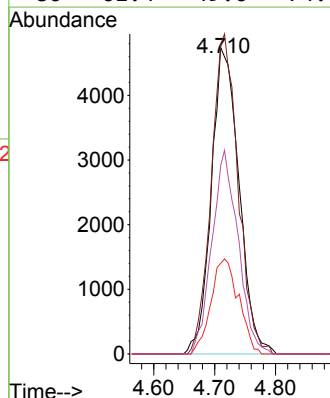
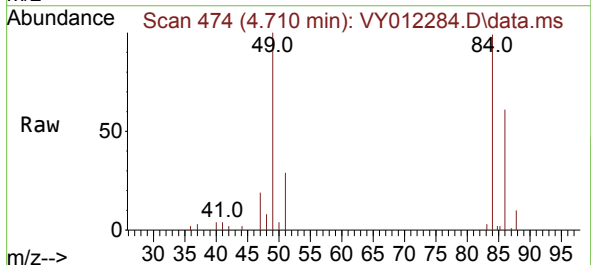
Instrument :
MSVOA_Y
ClientSampleId :
PE-1D

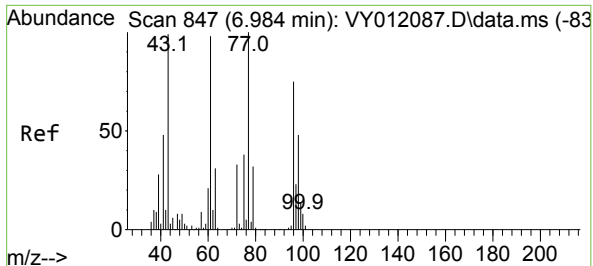
Tgt Ion: 43 Resp: 3214
Ion Ratio Lower Upper
43 100
58 40.5 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

Tgt Ion: 84 Resp: 14933
Ion Ratio Lower Upper
84 100
49 100.9 95.4 143.2
51 29.6 29.9 44.9#
86 61.4 49.6 74.4





#25

2-Butanone

Concen: 2.047 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY012284.D

Acq: 20 Jan 2023 12:42

Instrument :

MSVOA_Y

ClientSampleId :

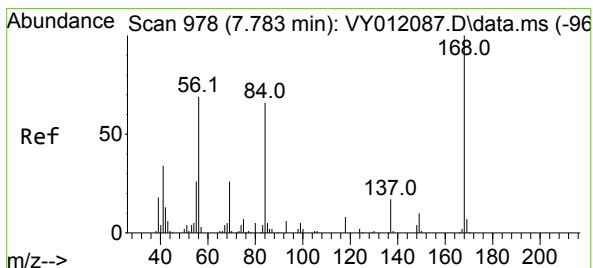
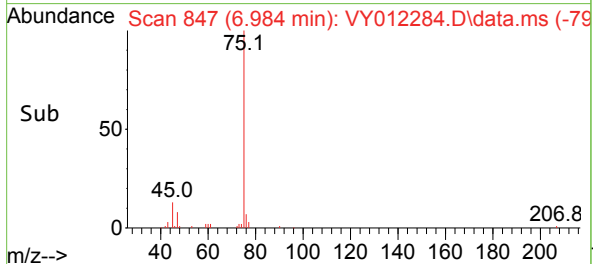
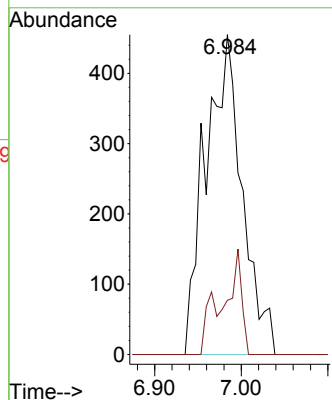
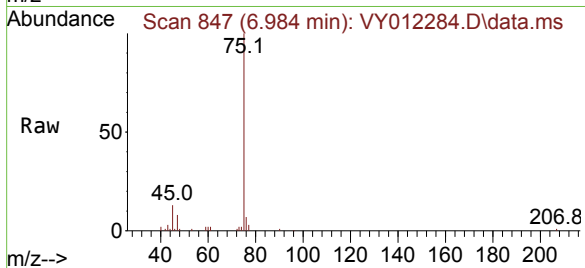
PE-1D

Tgt Ion: 43 Resp: 1329

Ion Ratio Lower Upper

43 100

72 16.9 22.6 34.0#



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012284.D

Acq: 20 Jan 2023 12:42

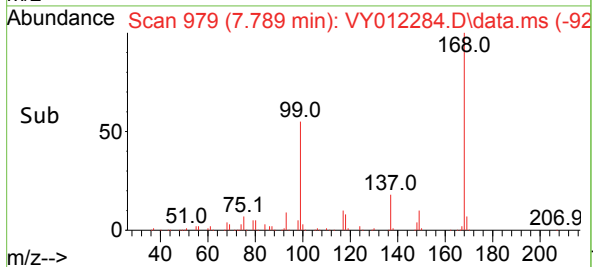
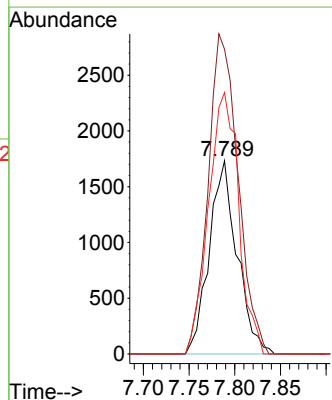
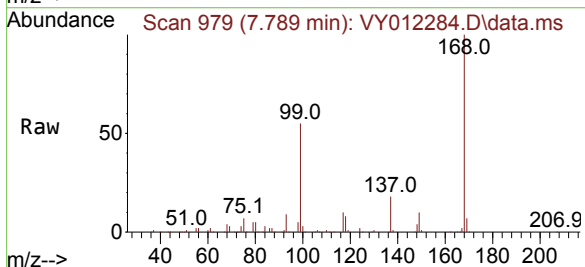
Tgt Ion: 56 Resp: 3682

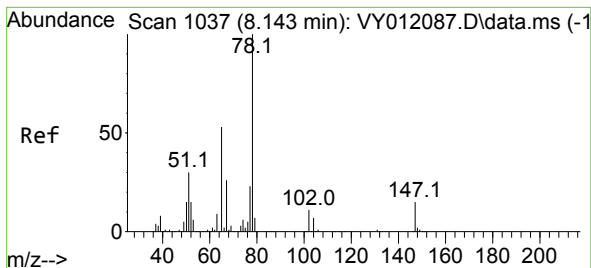
Ion Ratio Lower Upper

56 100

69 157.9 29.2 43.8#

84 135.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 66.722 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY012284.D

Acq: 20 Jan 2023 12:42

Instrument :

MSVOA_Y

ClientSampleId :

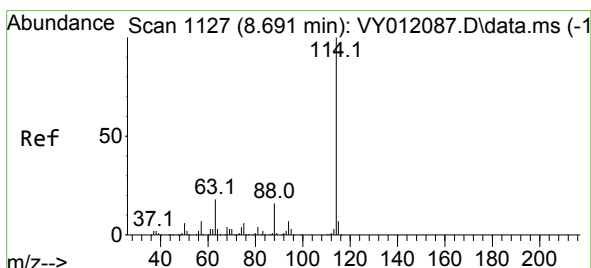
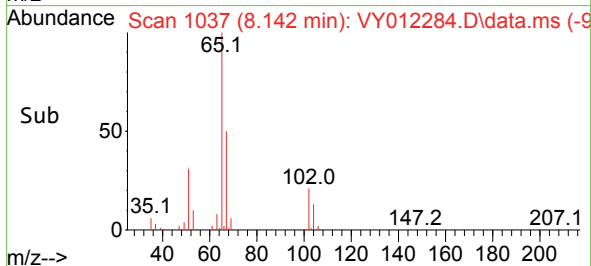
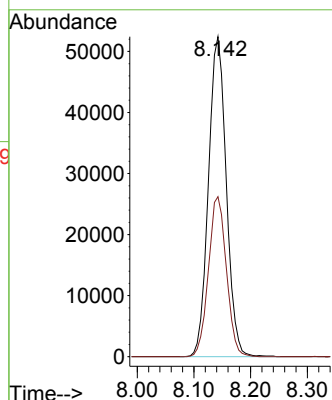
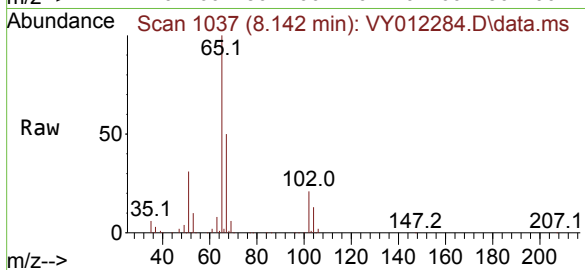
PE-1D

Tgt Ion: 65 Resp: 114474

Ion Ratio Lower Upper

65 100

67 50.3 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: VY012284.D

Acq: 20 Jan 2023 12:42

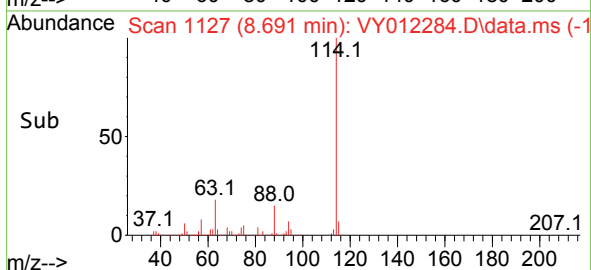
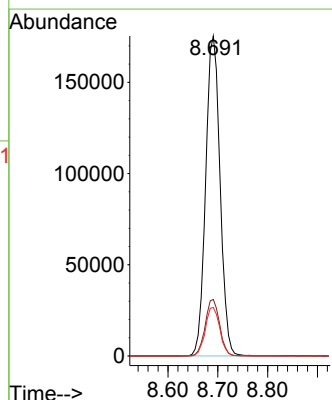
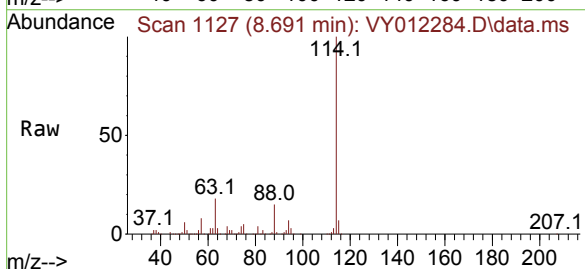
Tgt Ion: 114 Resp: 351110

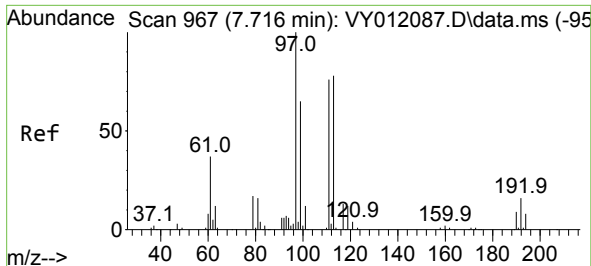
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 15.2 0.0 32.2

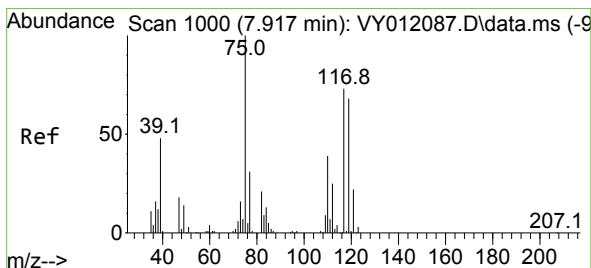
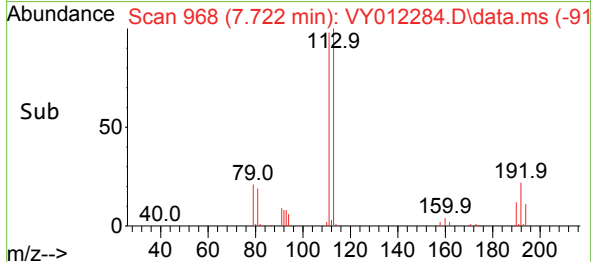
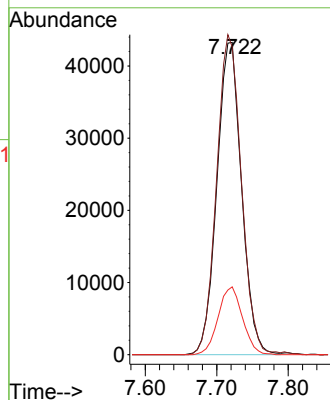
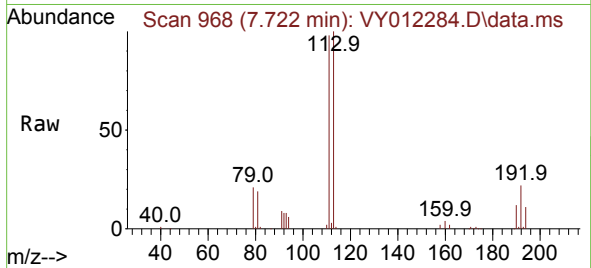




#35
Dibromofluoromethane
Concen: 55.674 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

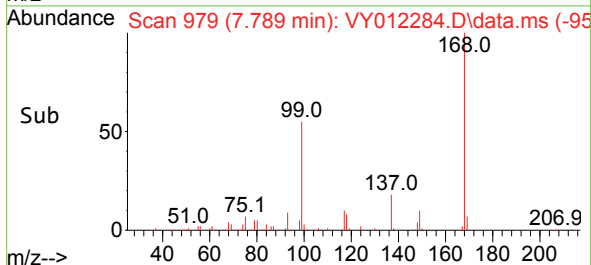
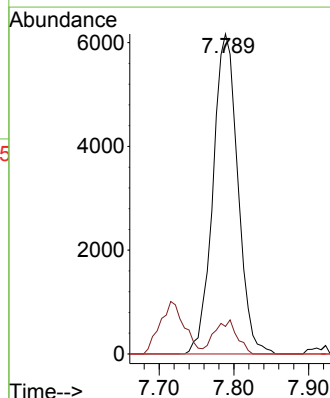
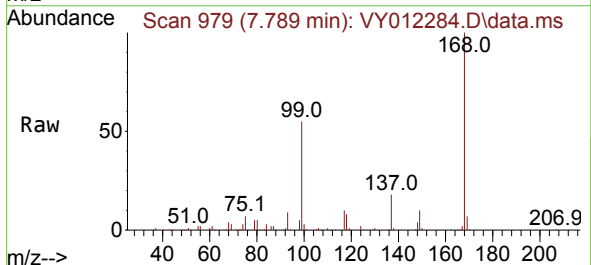
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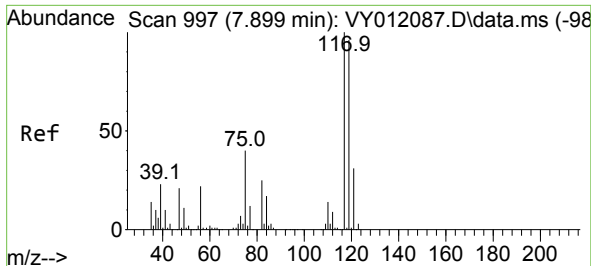
Tgt Ion:113 Resp: 103505
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

Tgt Ion: 75 Resp: 14264
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.1#
77 0.0 25.1 37.7#

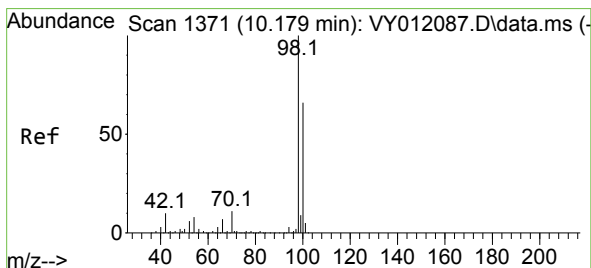
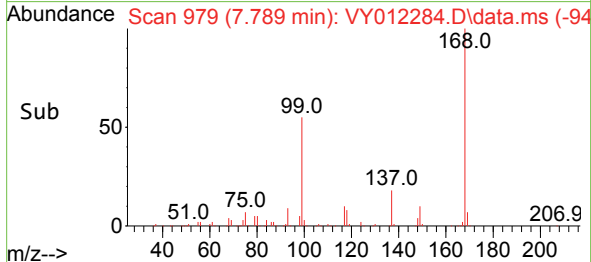
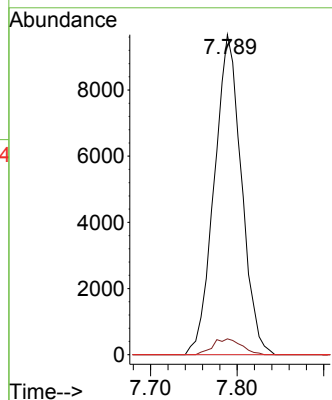
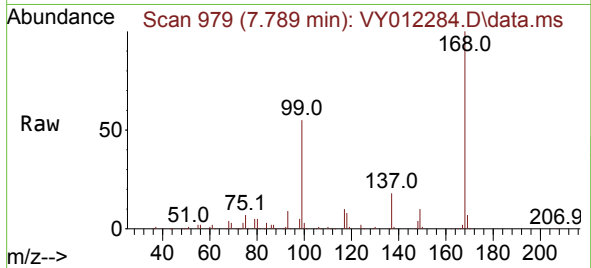




#38
Carbon Tetrachloride
Concen: 5.162 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

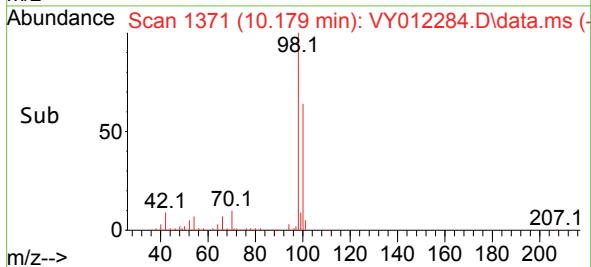
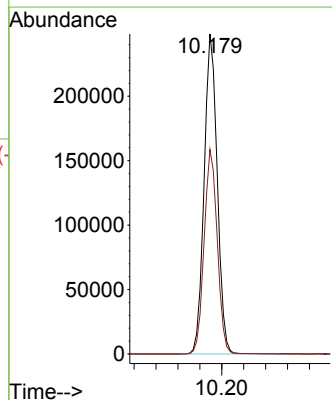
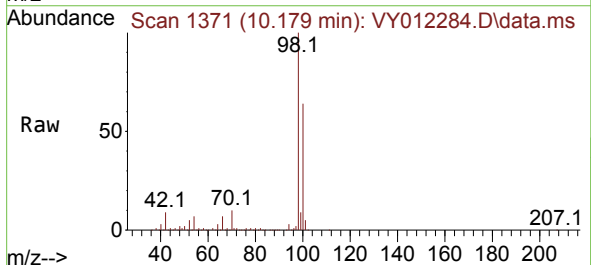
Instrument :
MSVOA_Y
ClientSampleId :
PE-1D

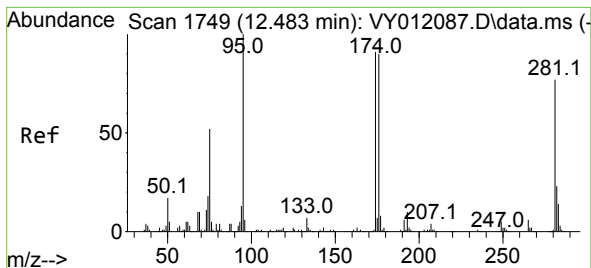
Tgt Ion:117 Resp: 21065
Ion Ratio Lower Upper
117 100
119 5.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.257 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012284.D
Acq: 20 Jan 2023 12:42

Tgt Ion: 98 Resp: 411842
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 51.672 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012284.D

Acq: 20 Jan 2023 12:42

Instrument :

MSVOA_Y

ClientSampleId :

PE-1D

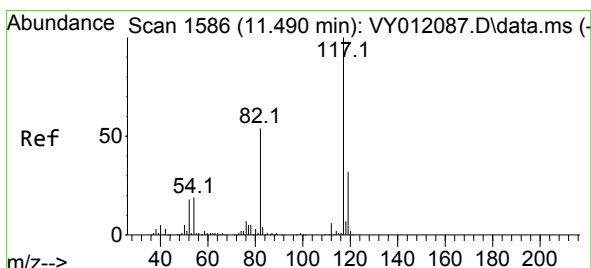
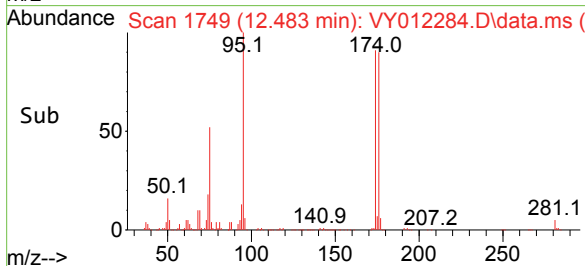
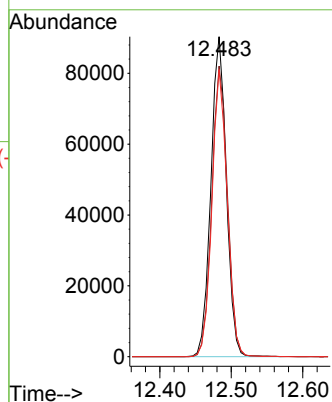
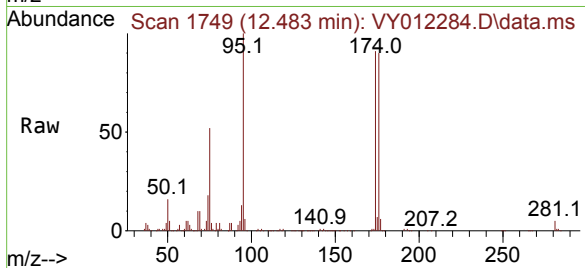
Tgt Ion: 95 Resp: 135422

Ion Ratio Lower Upper

95 100

174 92.5 0.0 172.0

176 88.7 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: VY012284.D

Acq: 20 Jan 2023 12:42

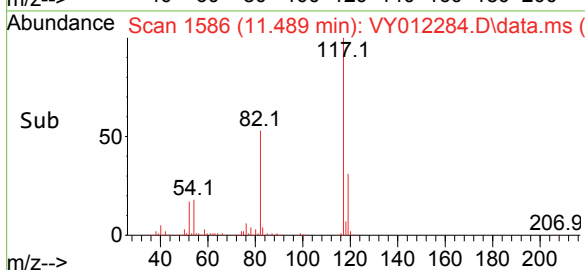
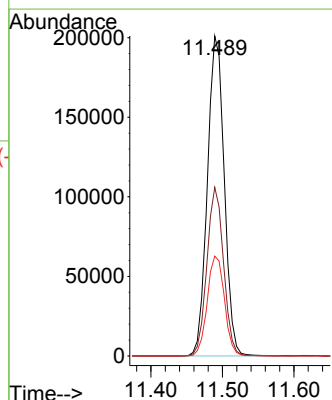
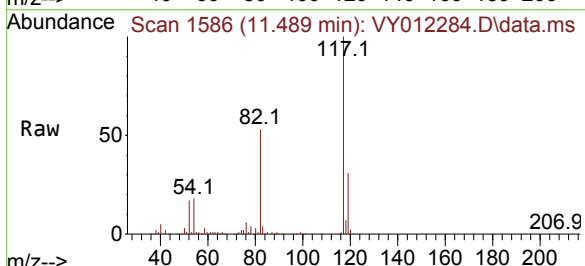
Tgt Ion: 117 Resp: 329511

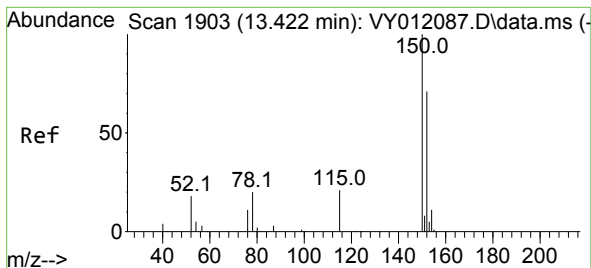
Ion Ratio Lower Upper

117 100

82 52.7 44.8 67.2

119 31.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012284.D

Acq: 20 Jan 2023 12:42

Instrument :

MSVOA_Y

ClientSampleId :

PE-1D

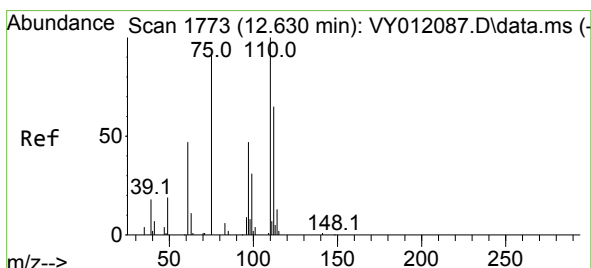
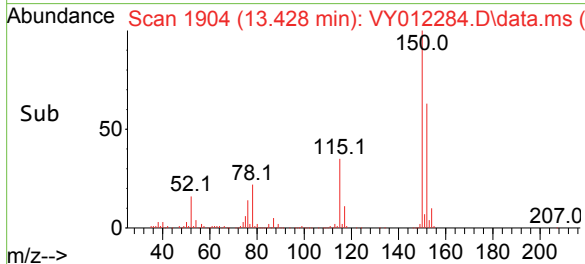
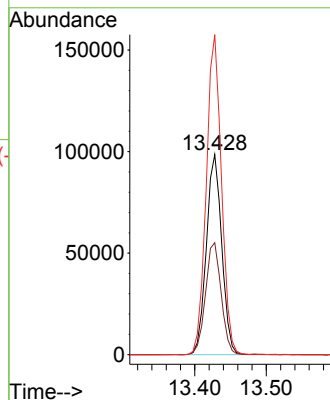
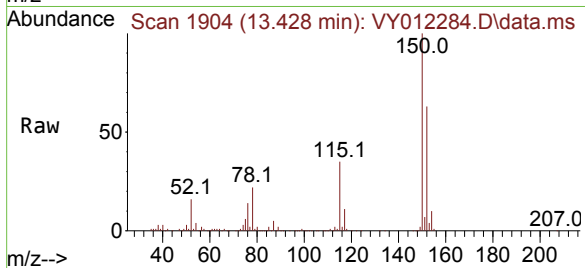
Tgt Ion:152 Resp: 147638

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 157.4 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 51.309 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012284.D

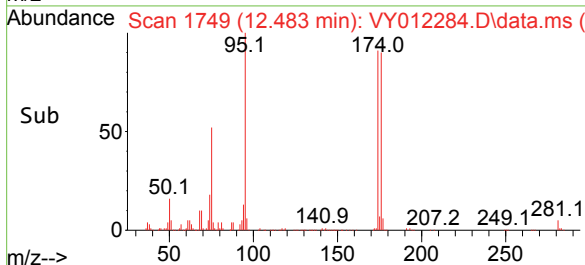
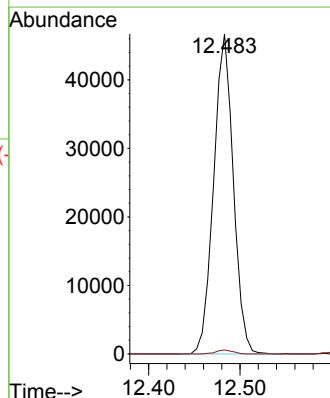
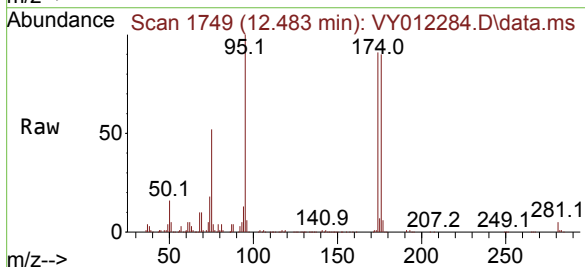
Acq: 20 Jan 2023 12:42

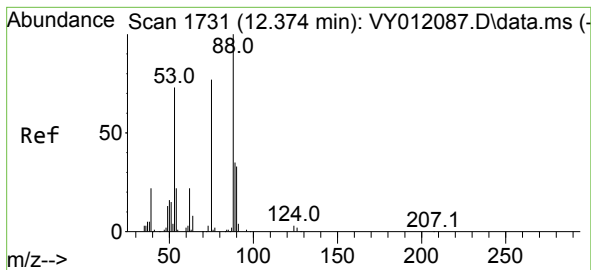
Tgt Ion: 75 Resp: 69656

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.719 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012284.D
 Acq: 20 Jan 2023 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1D

Tgt Ion: 75 Resp: 69656
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

