

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012286.D
 Acq On : 20 Jan 2023 13:29
 Operator : KP/MD
 Sample : 01190-06RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-5

Quant Time: Jan 23 02:19:07 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)

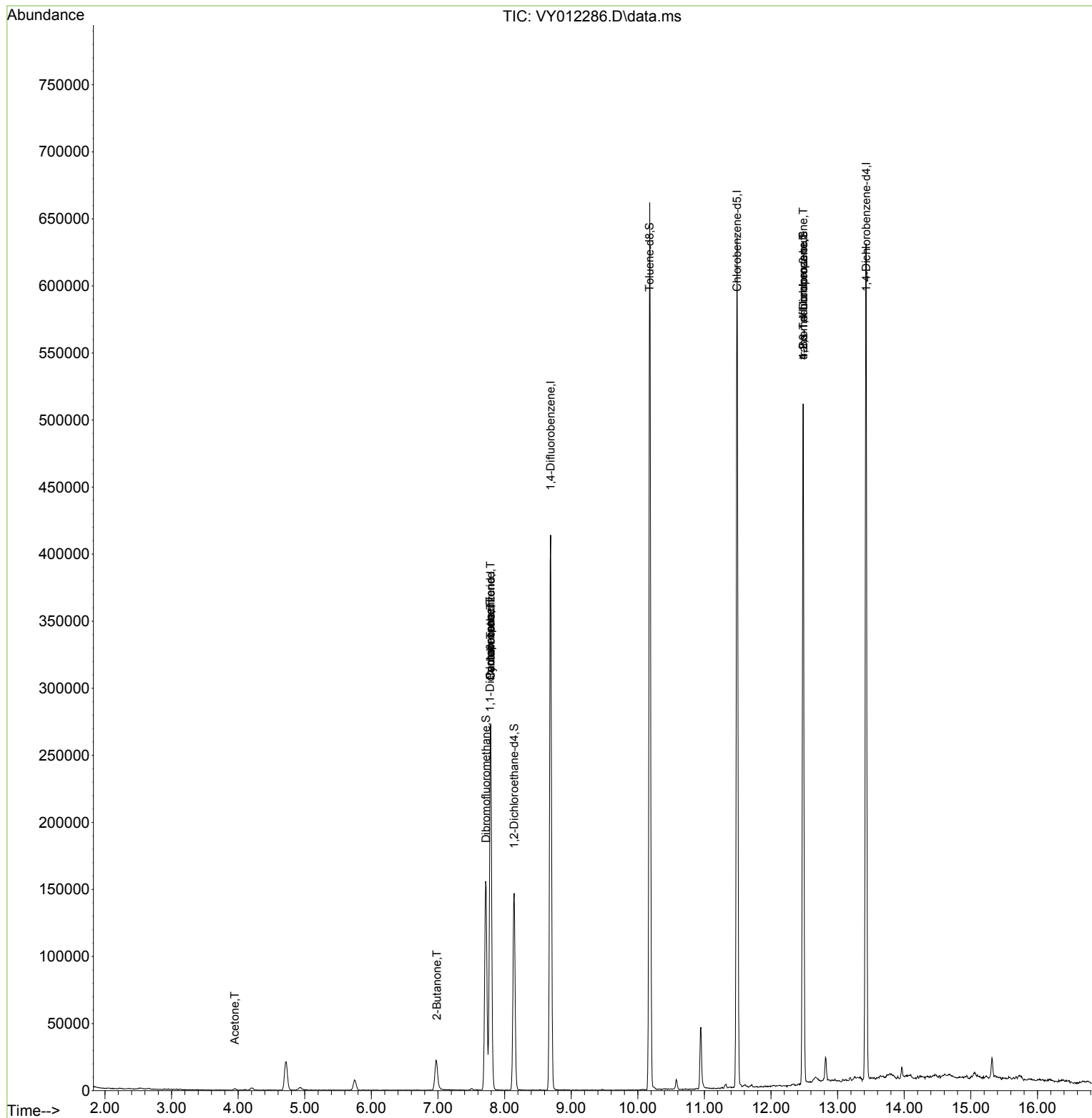
Internal Standards						
1) Pentafluorobenzene	7.789	168	220730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	369497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	359863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	118640	66.112	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.220%			
35) Dibromofluoromethane	7.722	113	111110	56.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.580%			
50) Toluene-d8	10.179	98	437257	65.879	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 131.760%			
62) 4-Bromofluorobenzene	12.483	95	154781	56.120	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.240%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.924	59	2447	Below Cal	#	74
16) Acetone	3.948	43	1858	3.023	ug/l	98
20) Methylene Chloride	4.710	84	17934	Below Cal	#	85
25) 2-Butanone	6.984	43	1094	1.612	ug/l	# 46
31) Cyclohexane	7.789	56	3872	1.203	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	15137	4.552	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	21277	4.955	ug/l	# 19
76) 1,2,3-Trichloropropane	12.483	75	78763	49.717	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	78763	102.439	ug/l	# 13

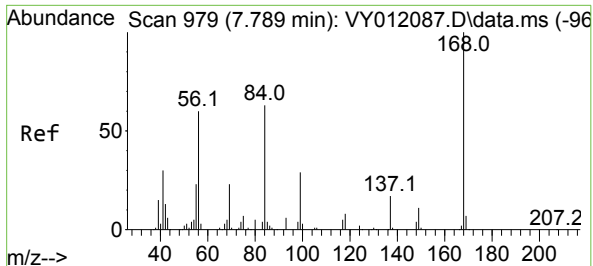
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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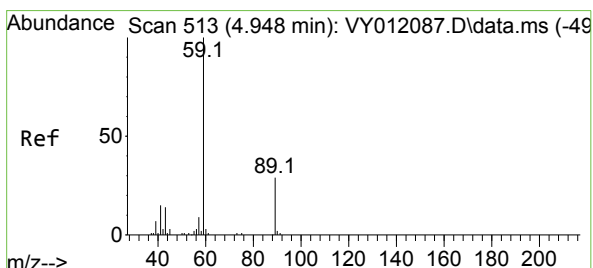
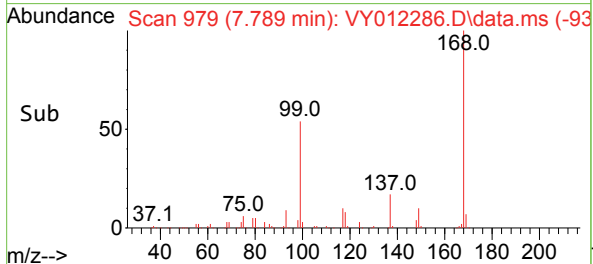
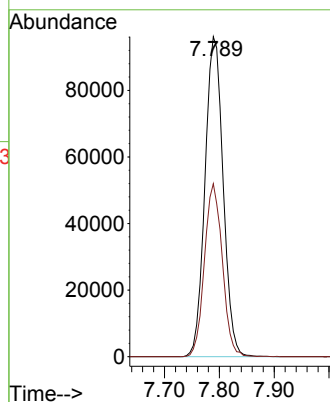
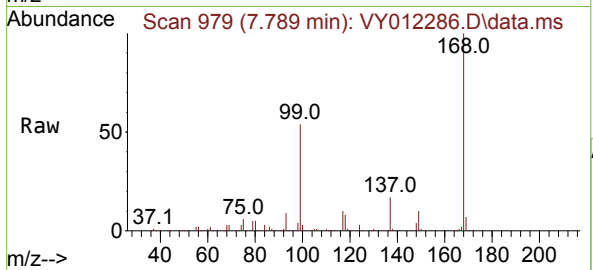




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

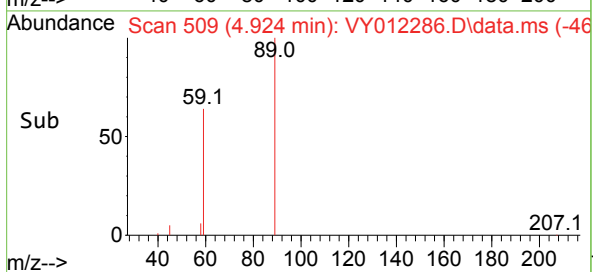
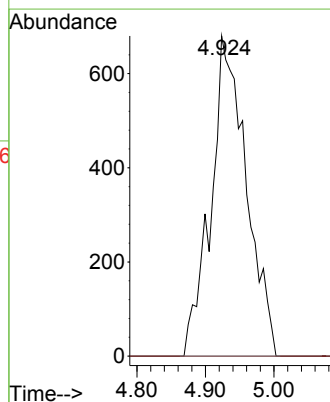
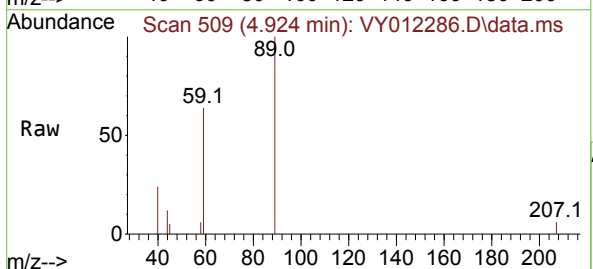
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

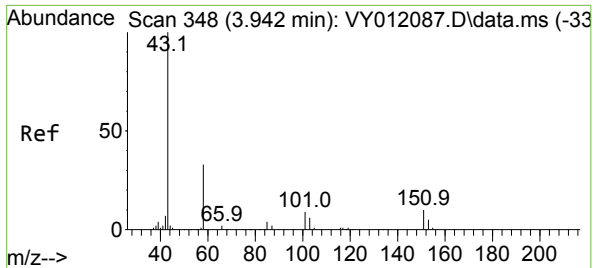
Tgt Ion:168 Resp: 220730
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

Tgt Ion: 59 Resp: 2447
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.023 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012286.D

Acq: 20 Jan 2023 13:29

Instrument :

MSVOA_Y

ClientSampleId :

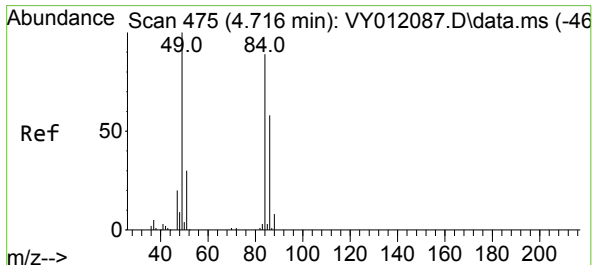
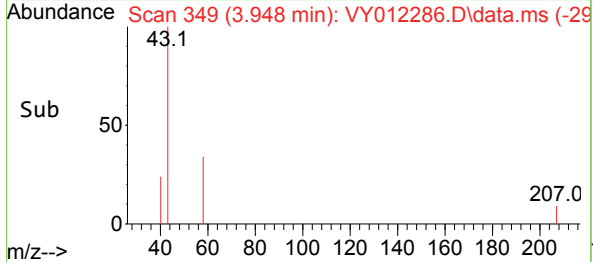
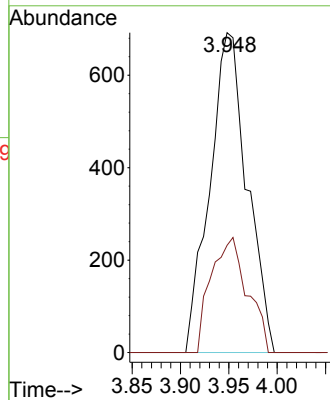
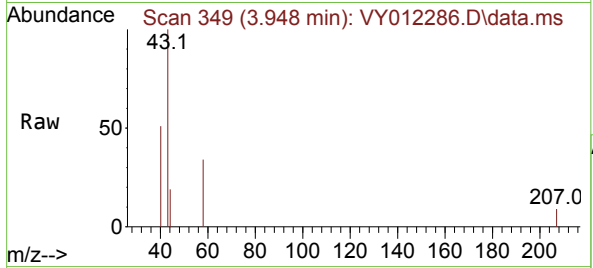
PE-5

Tgt Ion: 43 Resp: 1858

Ion Ratio Lower Upper

43 100

58 33.5 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012286.D

Acq: 20 Jan 2023 13:29

Tgt Ion: 84 Resp: 17934

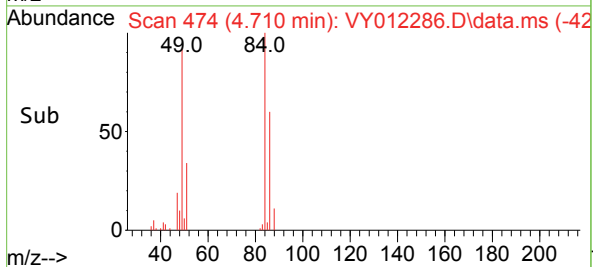
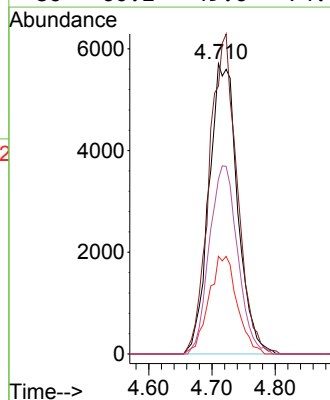
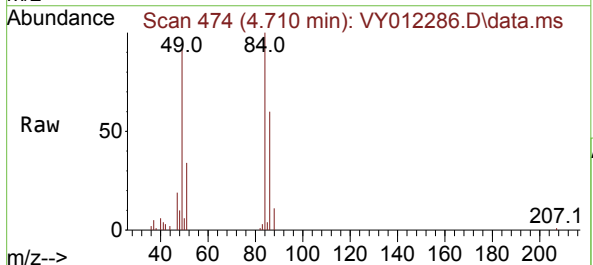
Ion Ratio Lower Upper

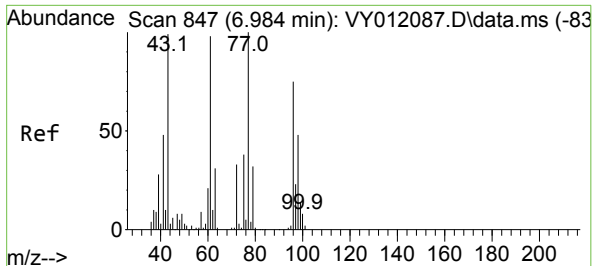
84 100

49 92.3 95.4 143.2#

51 33.6 29.9 44.9

86 60.2 49.6 74.4





#25

2-Butanone

Concen: 1.612 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012286.D

Acq: 20 Jan 2023 13:29

Instrument :

MSVOA_Y

ClientSampleId :

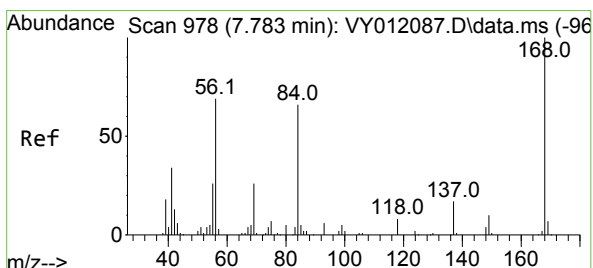
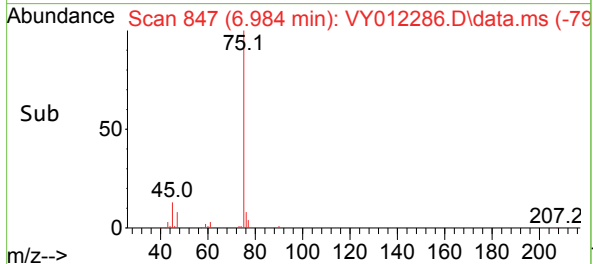
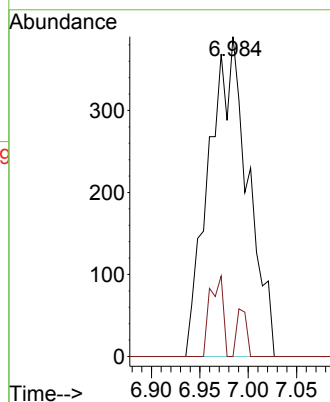
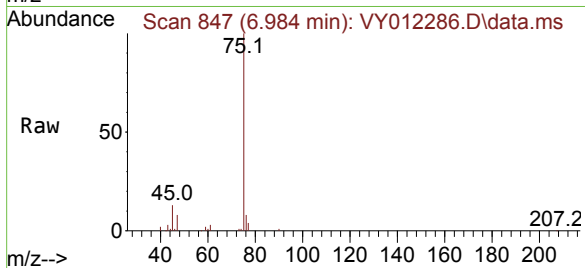
PE-5

Tgt Ion: 43 Resp: 1094

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012286.D

Acq: 20 Jan 2023 13:29

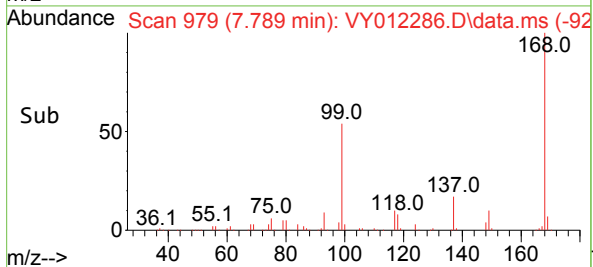
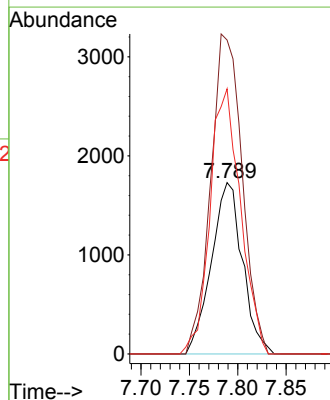
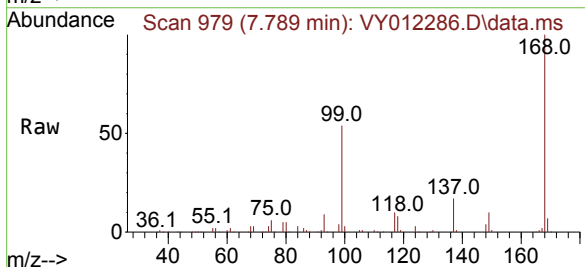
Tgt Ion: 56 Resp: 3872

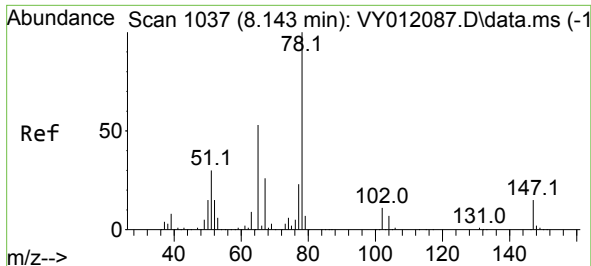
Ion Ratio Lower Upper

56 100

69 183.2 29.2 43.8#

84 154.7 72.6 108.8#

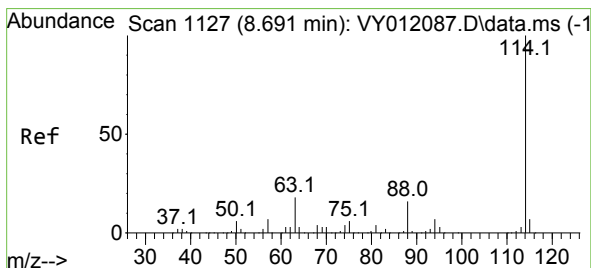
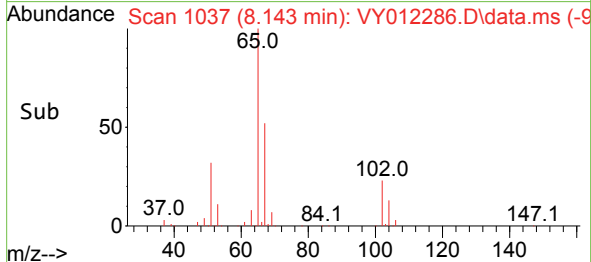
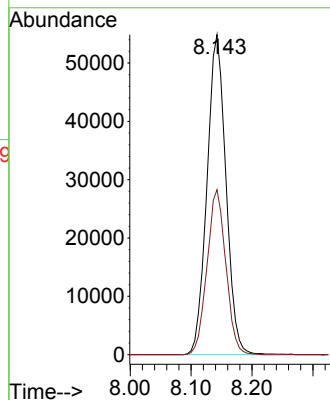
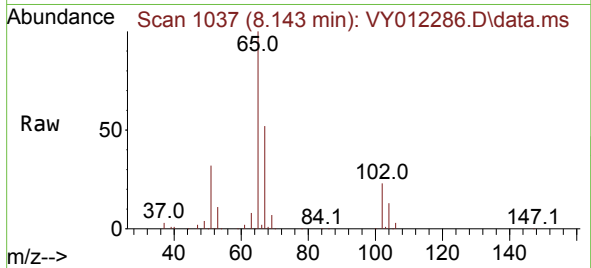




#33
1,2-Dichloroethane-d4
Concen: 66.112 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

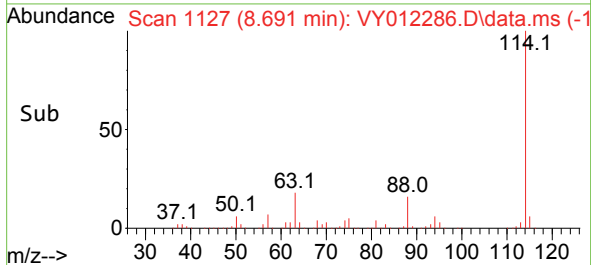
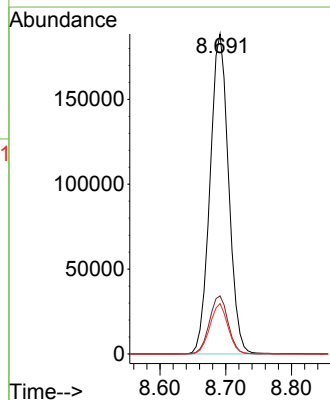
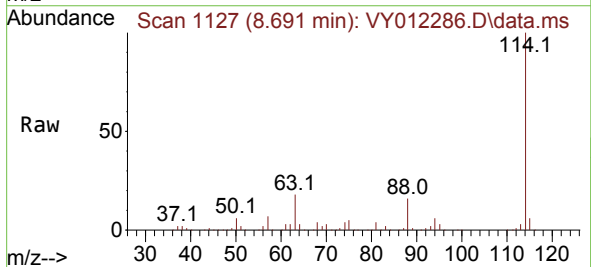
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

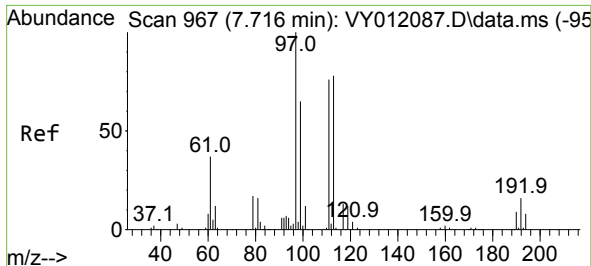
Tgt Ion: 65 Resp: 118640
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

Tgt Ion:114 Resp: 369497
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.6
88 15.8 0.0 32.2

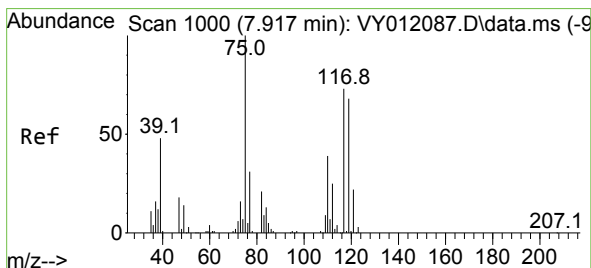
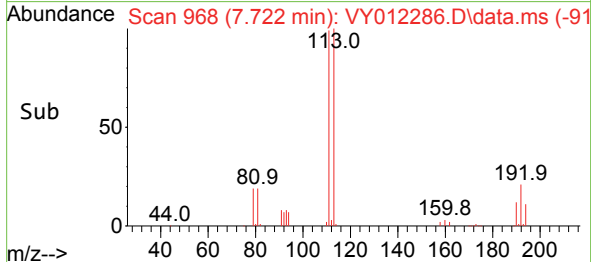
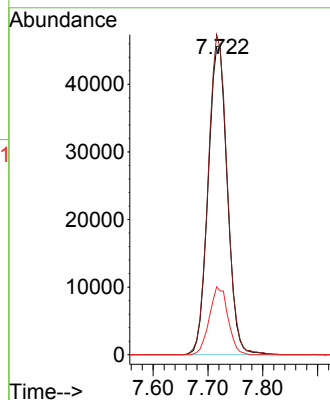
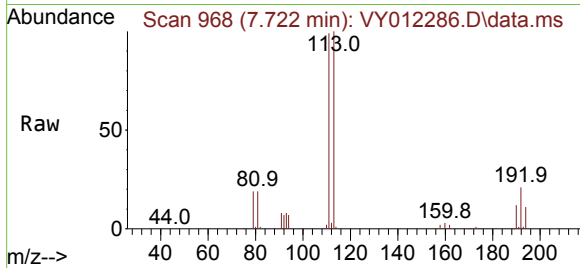




#35
Dibromofluoromethane
Concen: 56.791 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

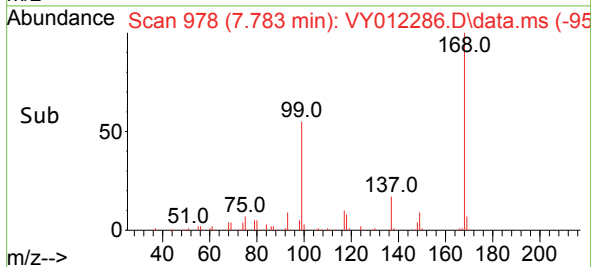
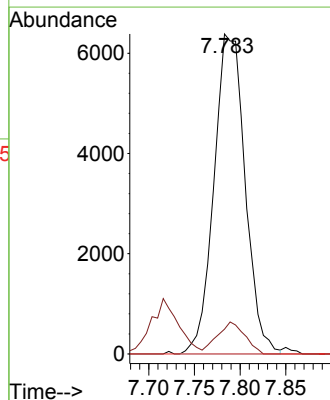
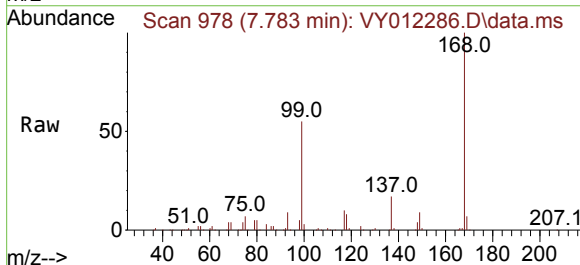
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

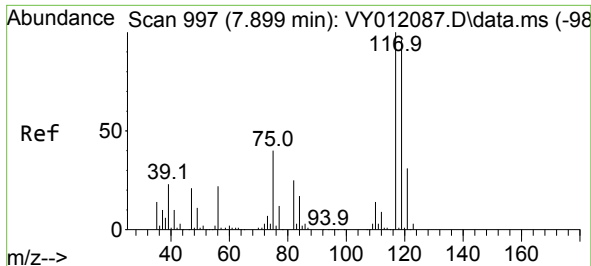
Tgt Ion:113 Resp: 111110
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.552 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

Tgt Ion: 75 Resp: 15137
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.1#
77 0.0 25.1 37.7#

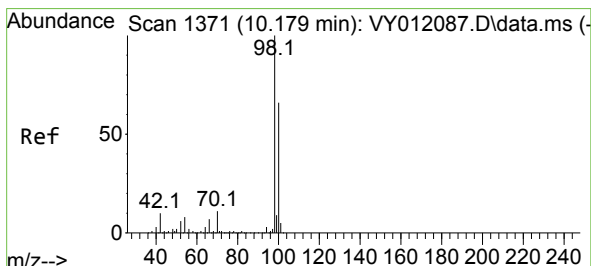
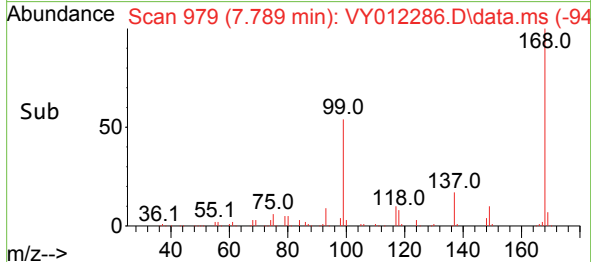
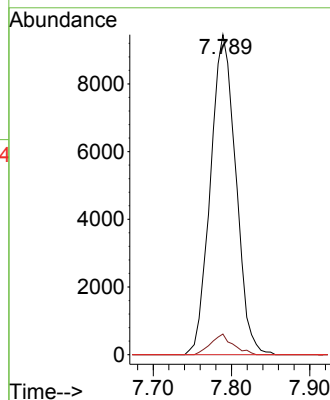
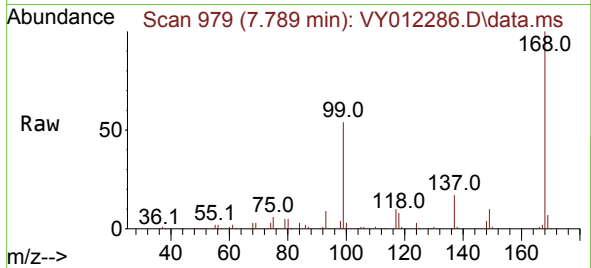




#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

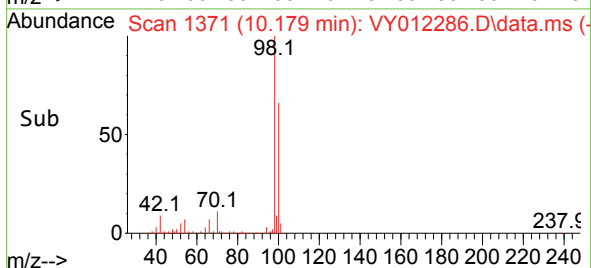
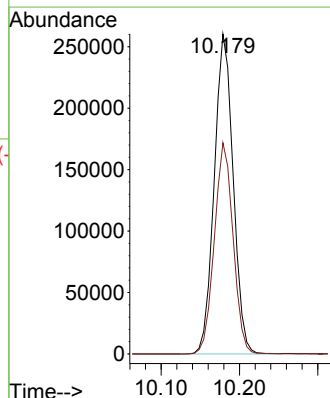
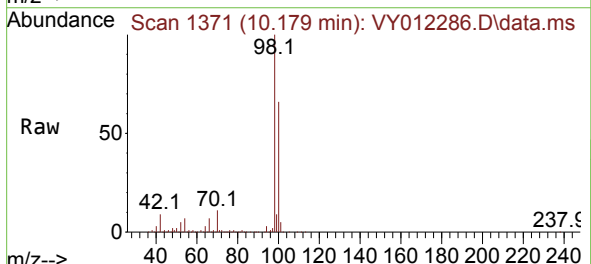
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ClientSampleId :
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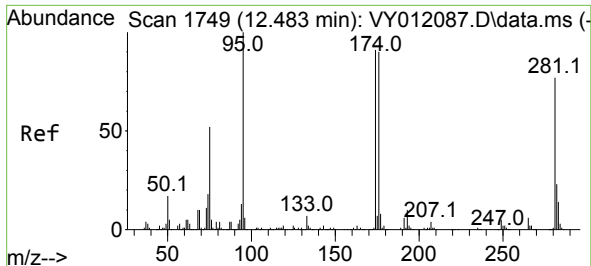
Tgt Ion:117 Resp: 21277
Ion Ratio Lower Upper
117 100
119 6.5 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.879 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

Tgt Ion: 98 Resp: 437257
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

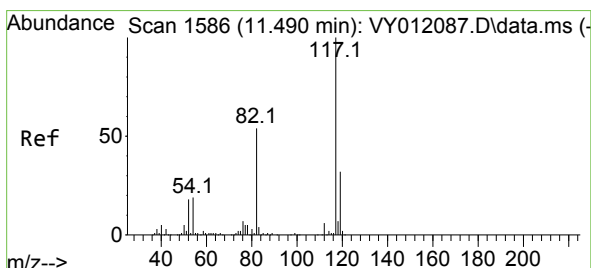
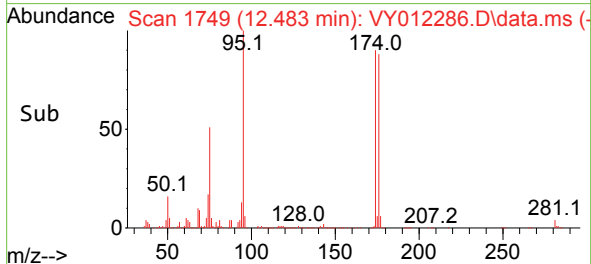
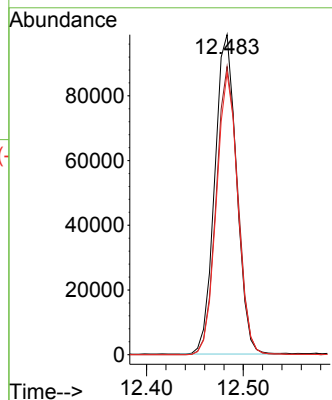
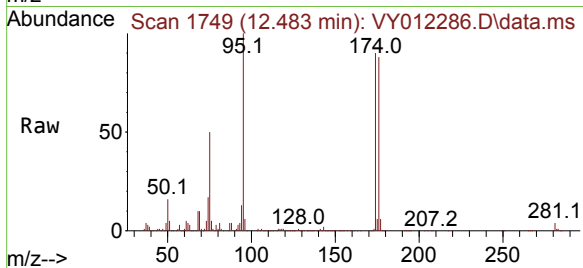




#62
4-Bromofluorobenzene
Concen: 56.120 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

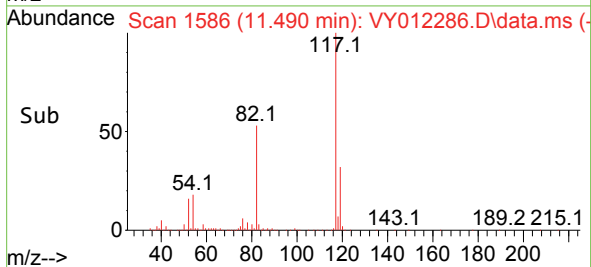
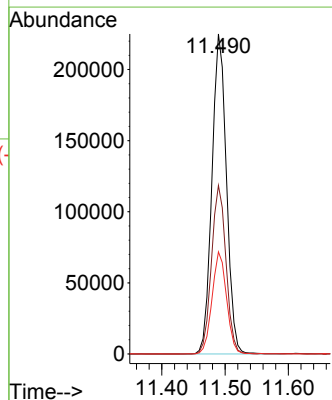
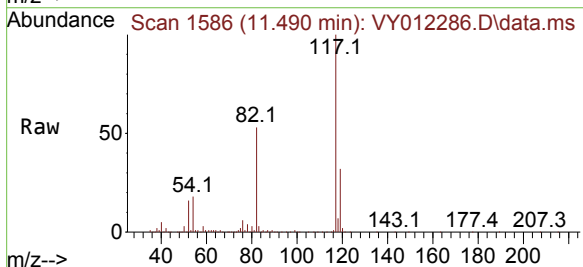
Instrument :
MSVOA_Y
ClientSampleId :
PE-5

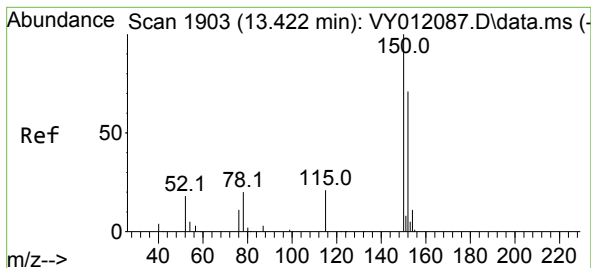
Tgt Ion: 95 Resp: 154781
Ion Ratio Lower Upper
95 100
174 89.6 0.0 172.0
176 86.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012286.D
Acq: 20 Jan 2023 13:29

Tgt Ion: 117 Resp: 359863
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 31.9 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: VY012286.D

Acq: 20 Jan 2023 13:29

Instrument :

MSVOA_Y

ClientSampleId :

PE-5

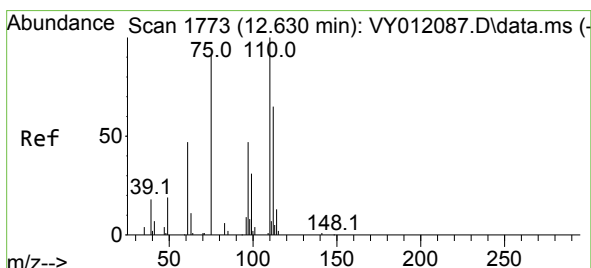
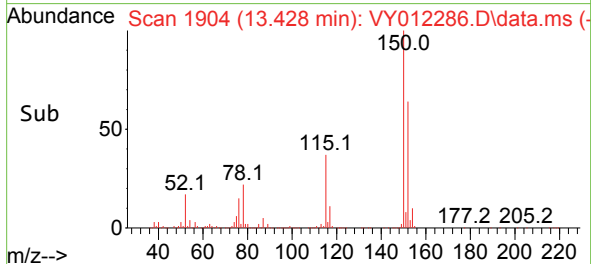
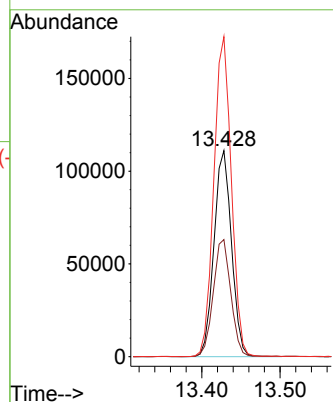
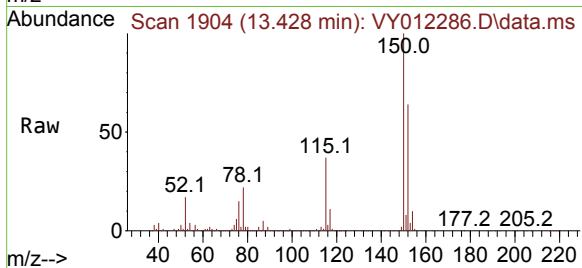
Tgt Ion:152 Resp: 172285

Ion Ratio Lower Upper

152 100

115 56.9 29.1 87.3

150 155.4 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 49.717 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012286.D

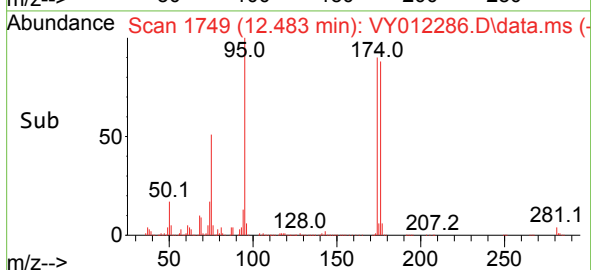
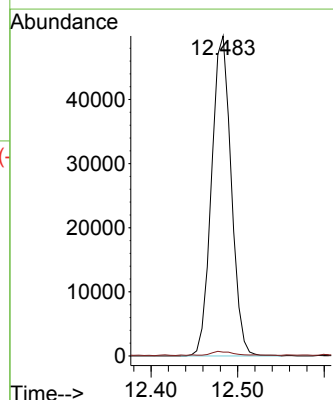
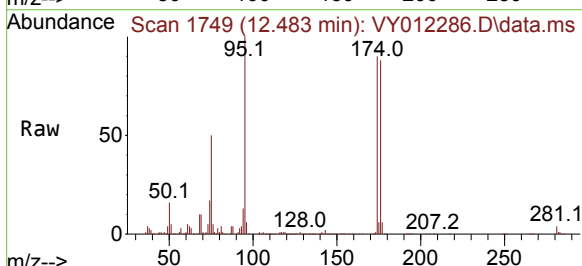
Acq: 20 Jan 2023 13:29

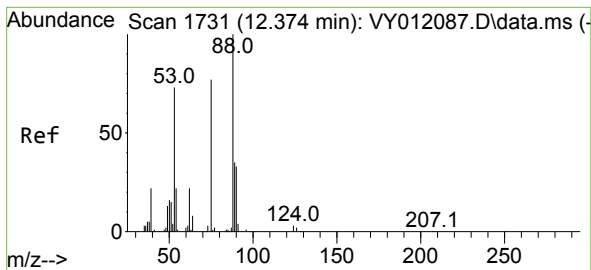
Tgt Ion: 75 Resp: 78763

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.439 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012286.D
 Acq: 20 Jan 2023 13:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-5

Tgt Ion: 75 Resp: 78763
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.5 108.7#
 89 0.0 37.0 55.4#

