

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012287.D
 Acq On : 20 Jan 2023 13:52
 Operator : KP/MD
 Sample : 01190-09RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-8

Quant Time: Jan 23 02:19:27 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)

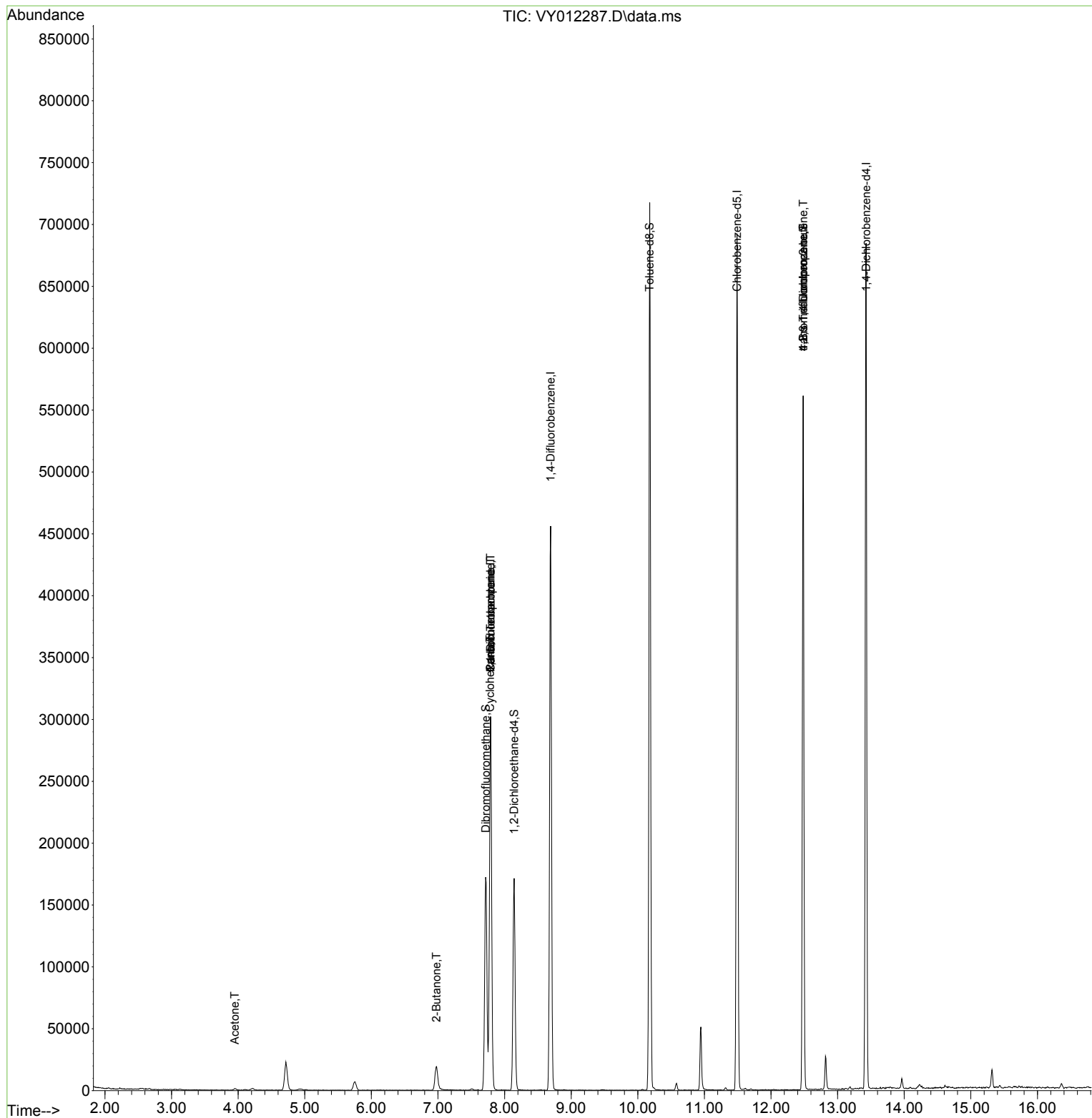
Internal Standards						
1) Pentafluorobenzene	7.789	168	242322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	407089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	390863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	136128	69.290	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 138.580%		
35) Dibromofluoromethane	7.716	113	122660	56.905	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.800%		
50) Toluene-d8	10.179	98	477291	65.226	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 130.460%		
62) 4-Bromofluorobenzene	12.483	95	166989	54.955	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 109.920%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	994	Below Cal	#	74
16) Acetone	3.948	43	2220	3.290	ug/l	97
20) Methylene Chloride	4.716	84	17755	Below Cal		92
25) 2-Butanone	6.978	43	1071	1.438	ug/l	# 46
31) Cyclohexane	7.783	56	4200	1.189	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	16393	4.475	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	23550	4.977	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	84514	49.046	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	84514	101.057	ug/l	# 13

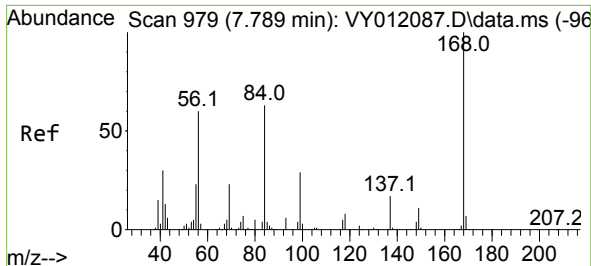
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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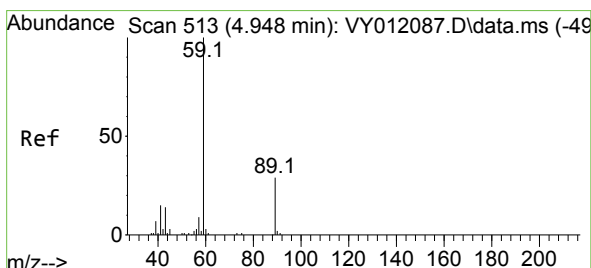
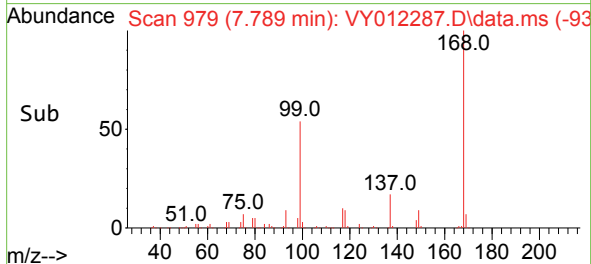
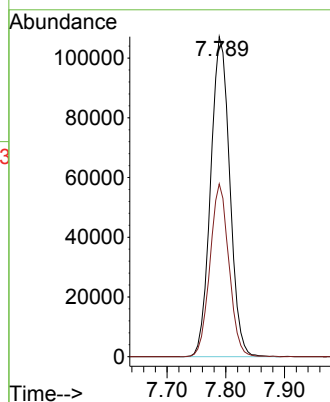
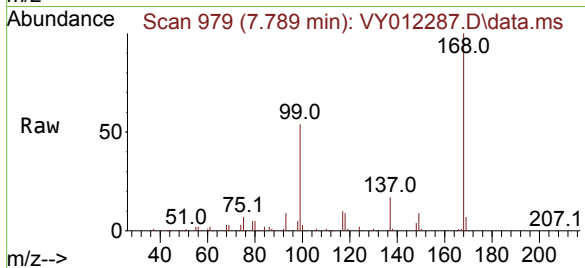




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

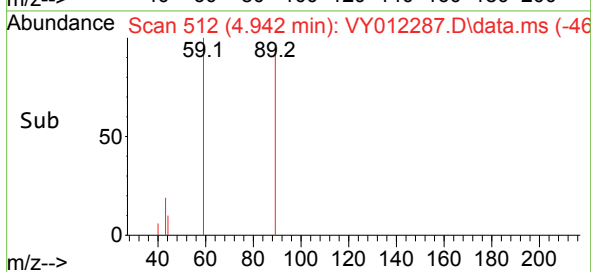
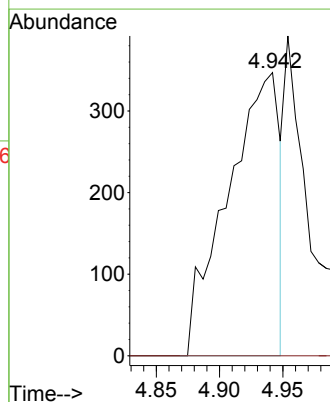
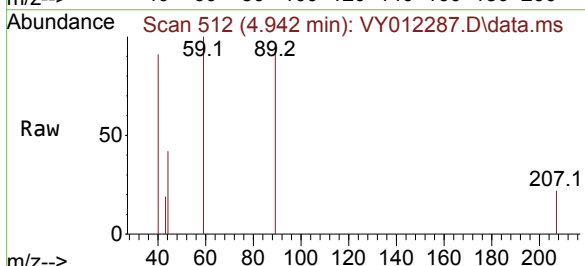
Instrument :
MSVOA_Y
ClientSampleId :
PE-8

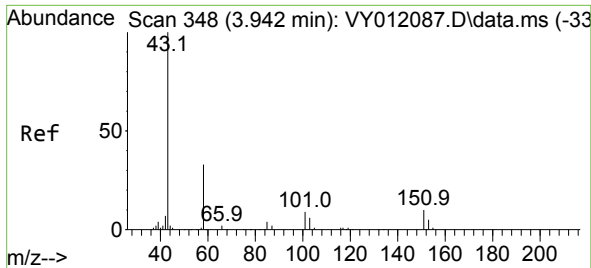
Tgt Ion:168 Resp: 242322
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

Tgt Ion: 59 Resp: 994
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.290 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012287.D

Acq: 20 Jan 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

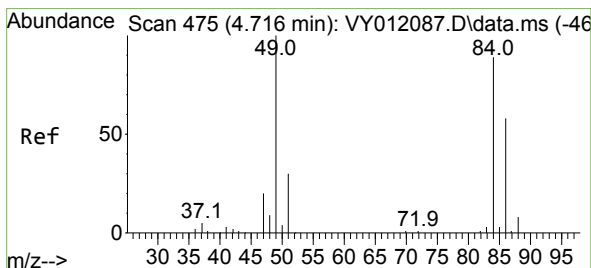
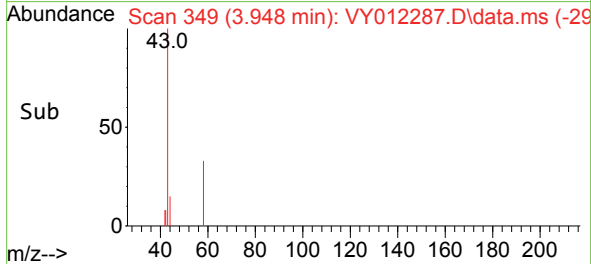
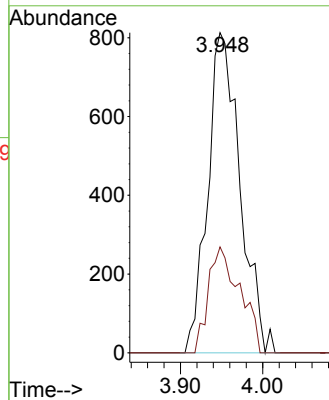
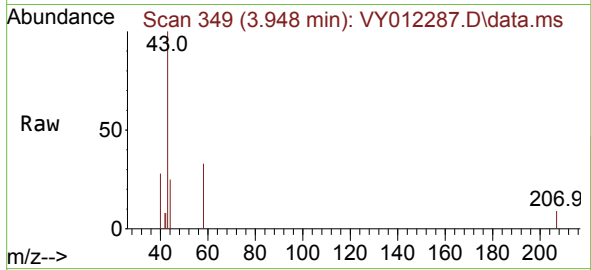
PE-8

Tgt Ion: 43 Resp: 2220

Ion Ratio Lower Upper

43 100

58 33.1 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012287.D

Acq: 20 Jan 2023 13:52

Tgt Ion: 84 Resp: 17755

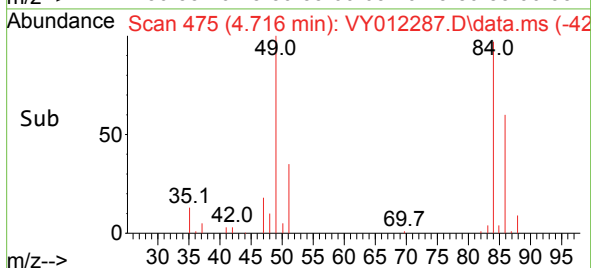
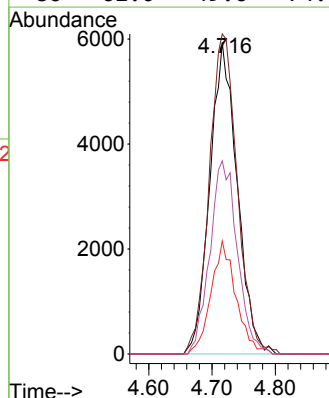
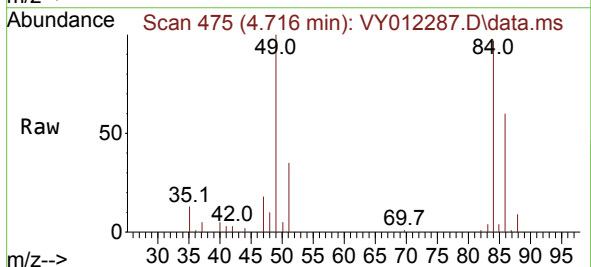
Ion Ratio Lower Upper

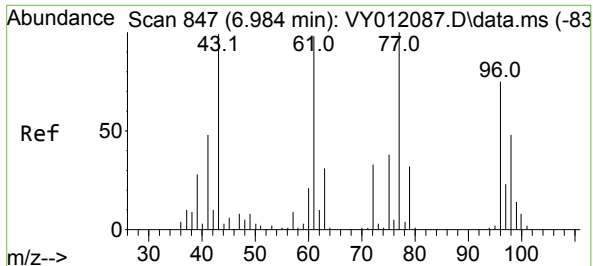
84 100

49 102.7 95.4 143.2

51 36.3 29.9 44.9

86 62.0 49.6 74.4





#25

2-Butanone

Concen: 1.438 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012287.D

Acq: 20 Jan 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

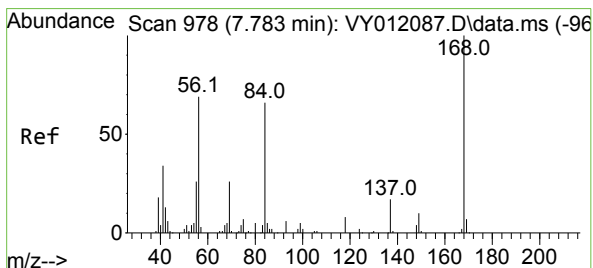
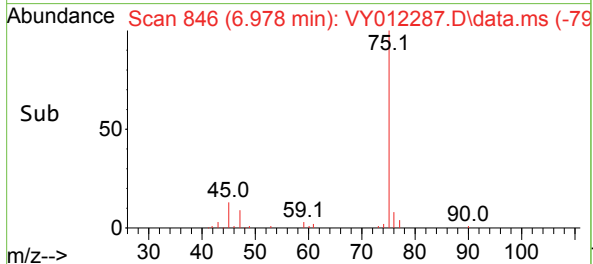
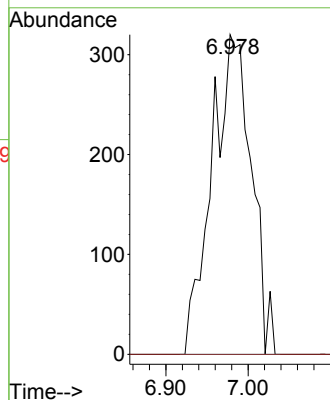
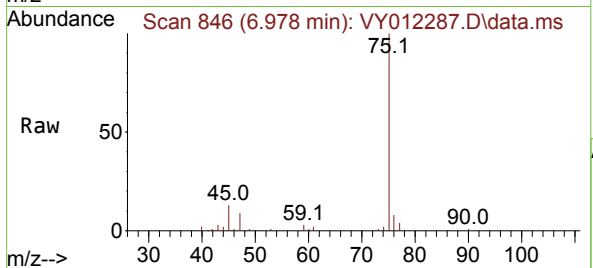
PE-8

Tgt Ion: 43 Resp: 1071

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012287.D

Acq: 20 Jan 2023 13:52

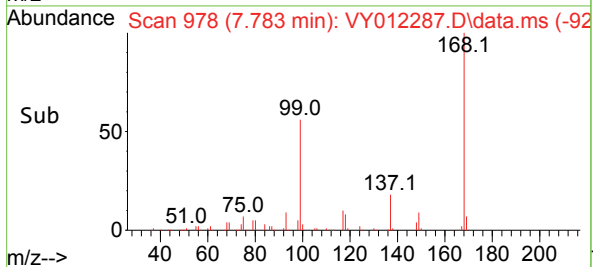
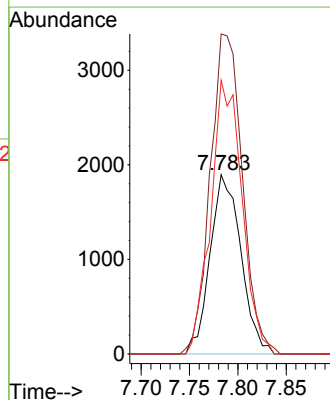
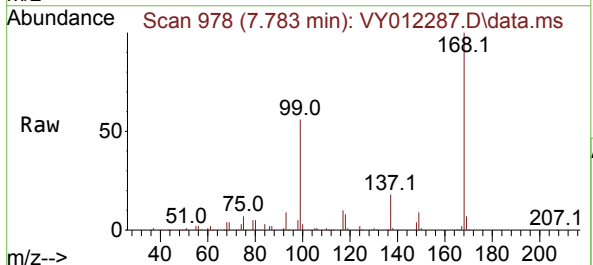
Tgt Ion: 56 Resp: 4200

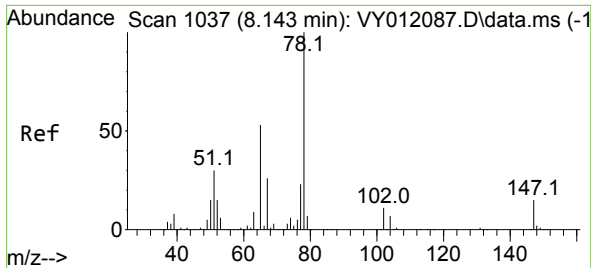
Ion Ratio Lower Upper

56 100

69 178.6 29.2 43.8#

84 152.8 72.6 108.8#

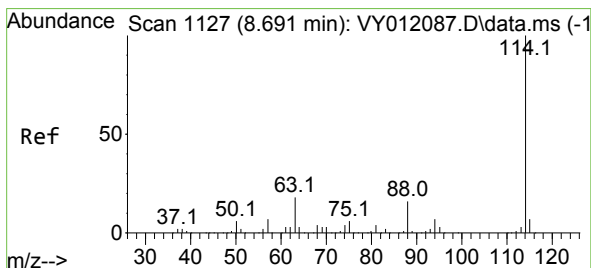
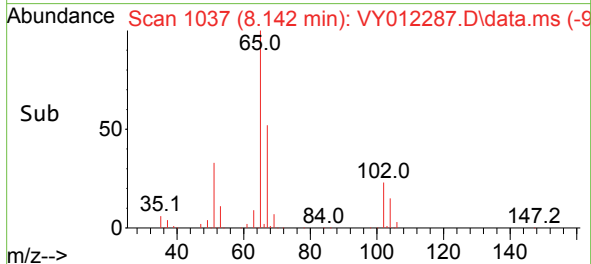
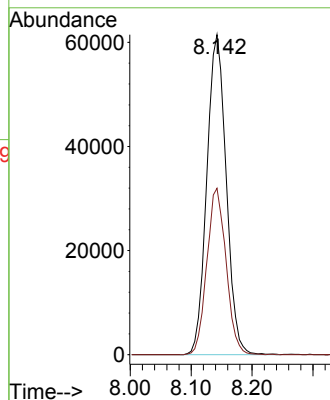
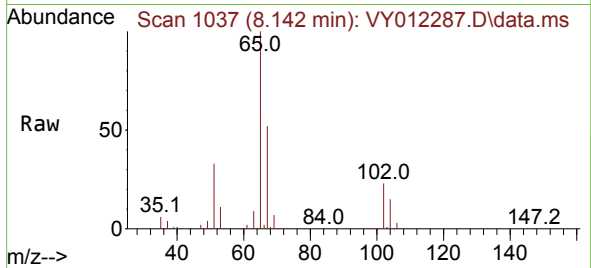




#33
1,2-Dichloroethane-d4
Concen: 69.290 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

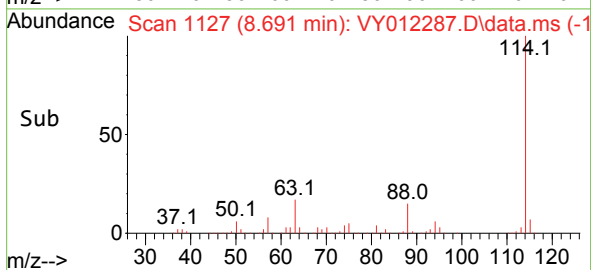
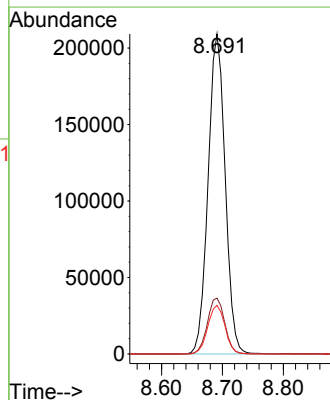
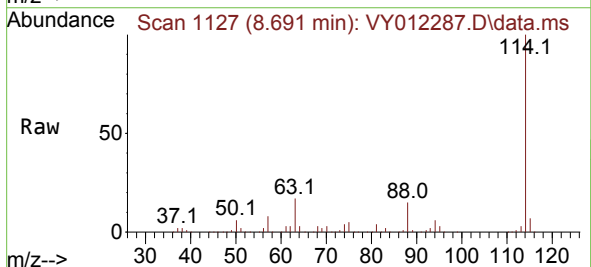
Instrument :
MSVOA_Y
ClientSampleId :
PE-8

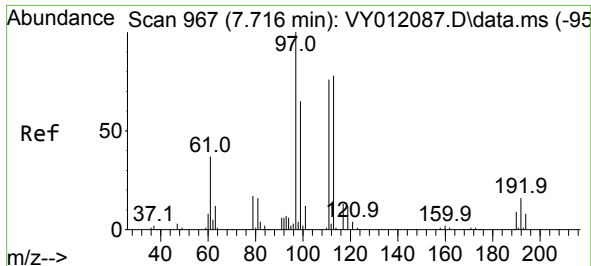
Tgt Ion: 65 Resp: 136128
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

Tgt Ion:114 Resp: 407089
Ion Ratio Lower Upper
114 100
63 17.4 0.0 39.6
88 15.2 0.0 32.2

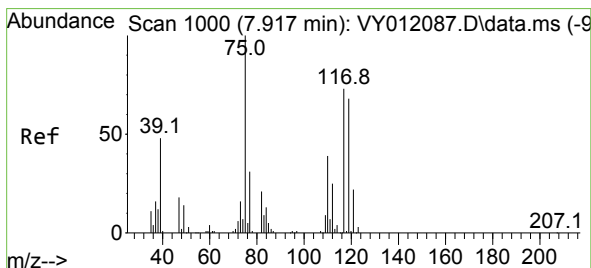
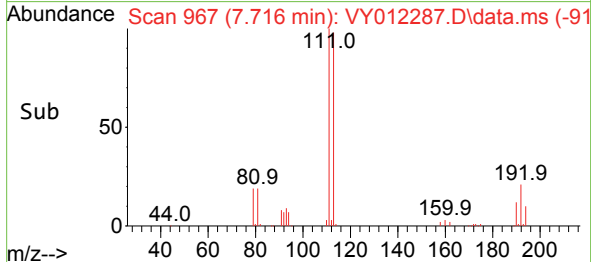
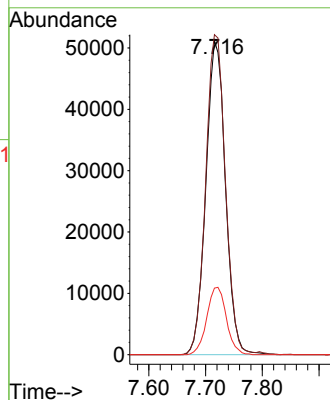
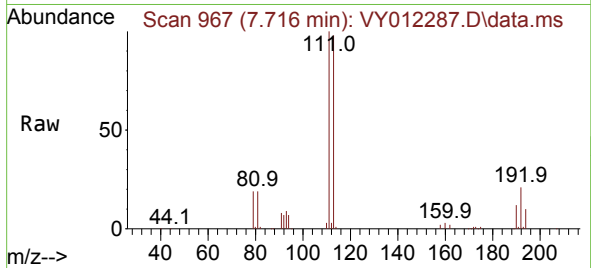




#35
Dibromofluoromethane
Concen: 56.905 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

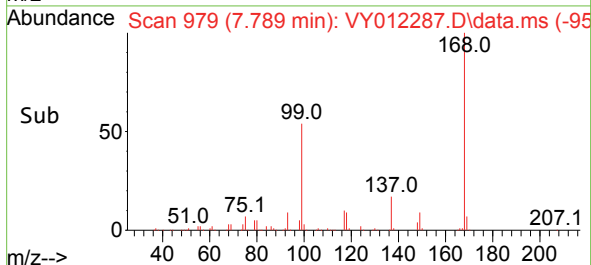
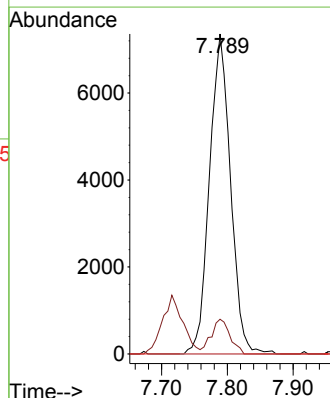
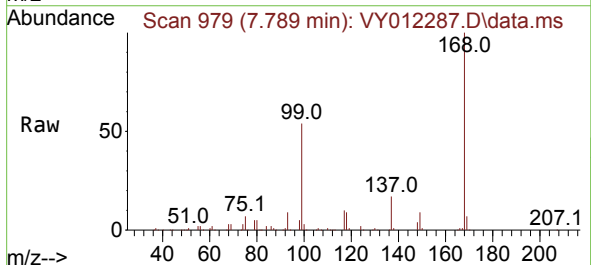
Instrument :
MSVOA_Y
ClientSampleId :
PE-8

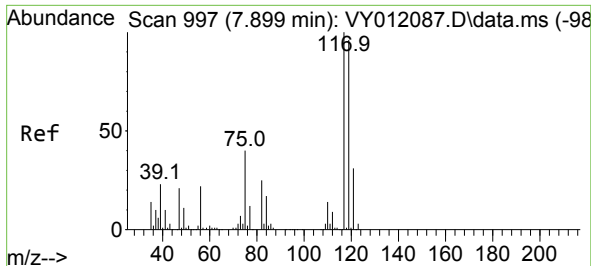
Tgt Ion:113 Resp: 122660
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.475 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

Tgt Ion: 75 Resp: 16393
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 25.1 37.7#

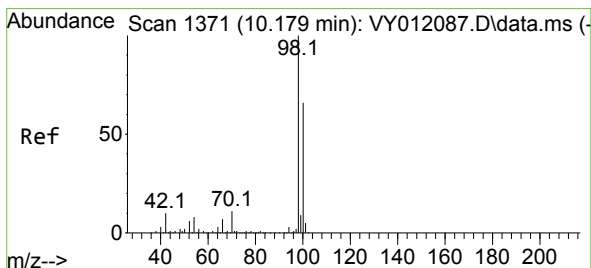
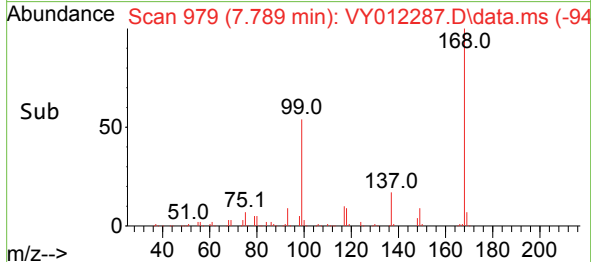
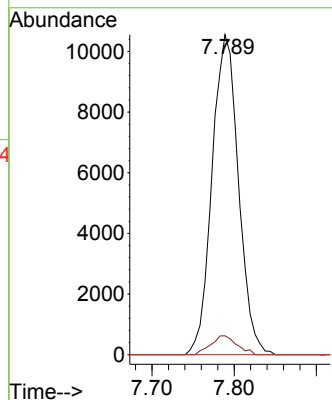
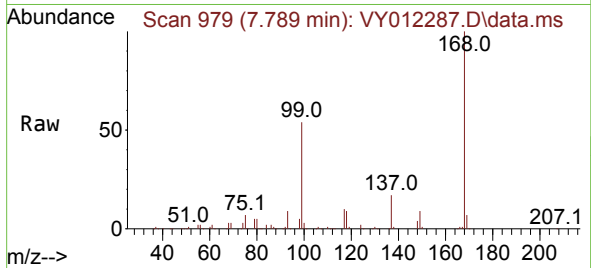




#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

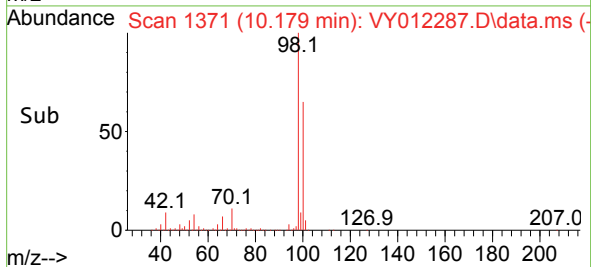
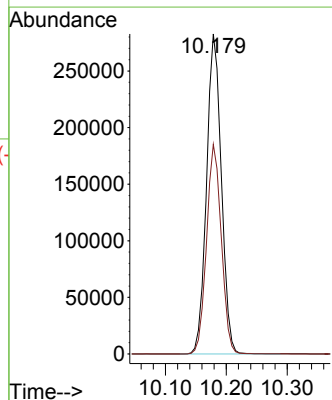
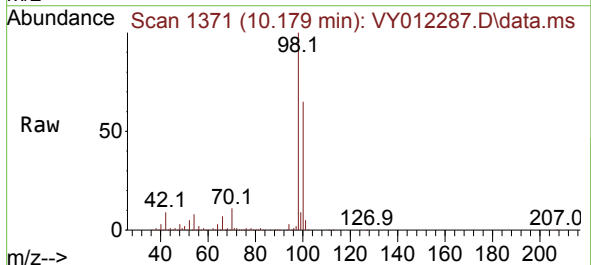
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MSVOA_Y
ClientSampleId :
PE-8

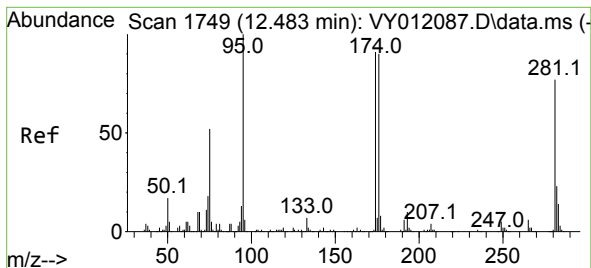
Tgt Ion:117 Resp: 23550
Ion Ratio Lower Upper
117 100
119 5.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.226 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012287.D
Acq: 20 Jan 2023 13:52

Tgt Ion: 98 Resp: 477291
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 54.955 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012287.D

Acq: 20 Jan 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

PE-8

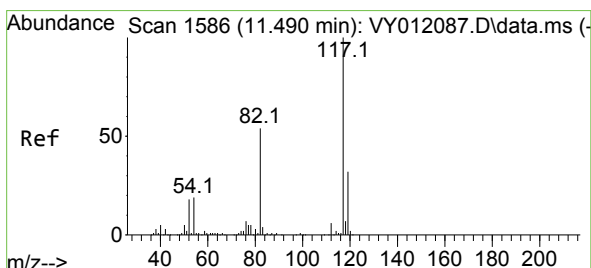
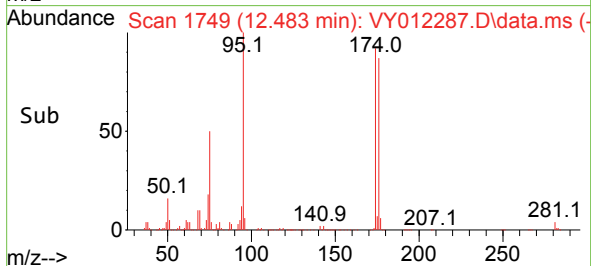
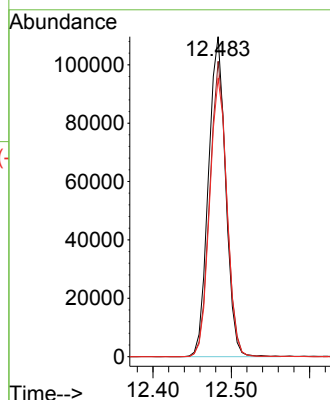
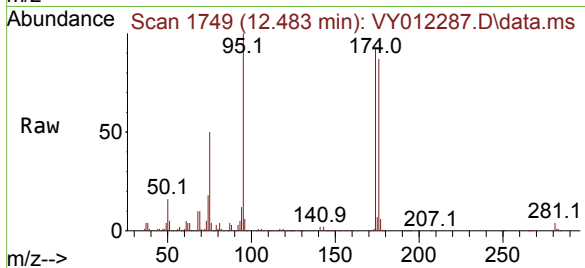
Tgt Ion: 95 Resp: 166989

Ion Ratio Lower Upper

95 100

174 91.0 0.0 172.0

176 87.7 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: VY012287.D

Acq: 20 Jan 2023 13:52

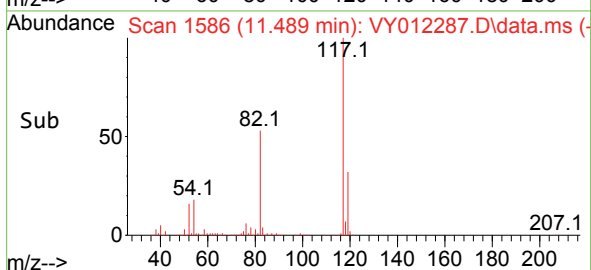
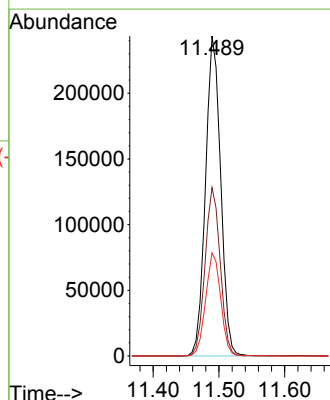
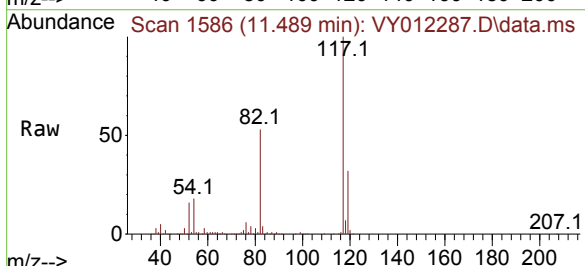
Tgt Ion: 117 Resp: 390863

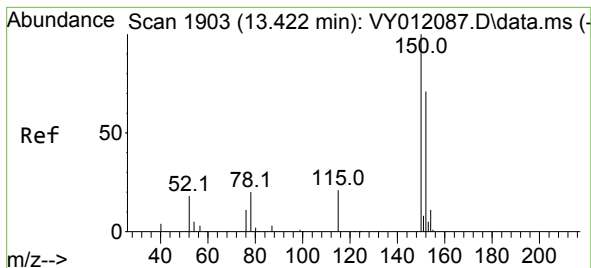
Ion Ratio Lower Upper

117 100

82 52.6 44.8 67.2

119 32.2 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: VY012287.D

Acq: 20 Jan 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

PE-8

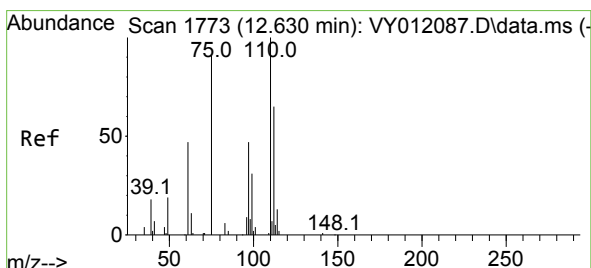
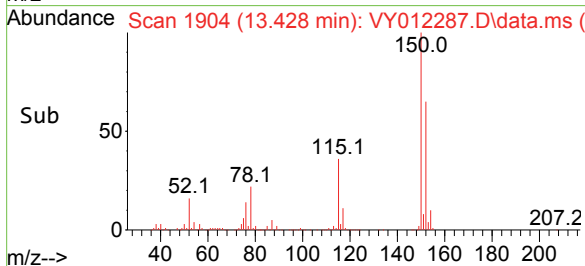
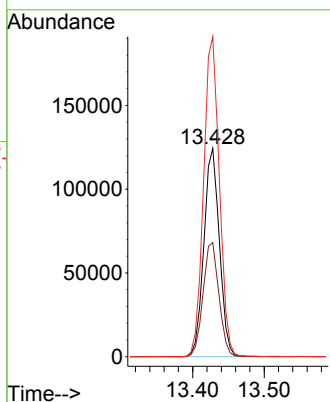
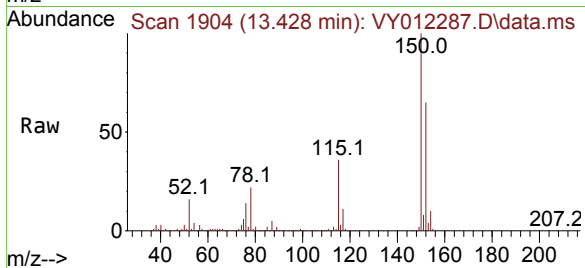
Tgt Ion:152 Resp: 187393

Ion Ratio Lower Upper

152 100

115 56.1 29.1 87.3

150 156.0 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 49.046 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012287.D

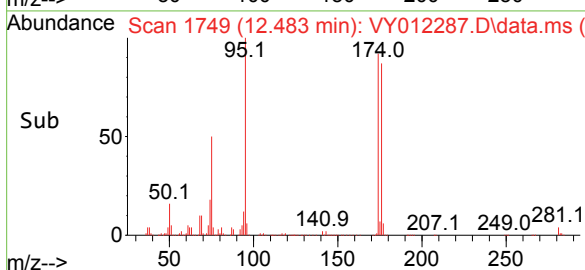
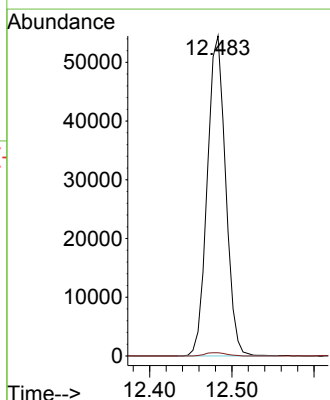
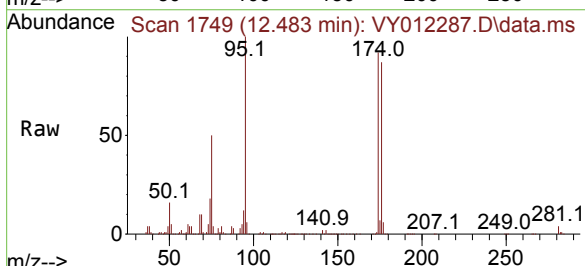
Acq: 20 Jan 2023 13:52

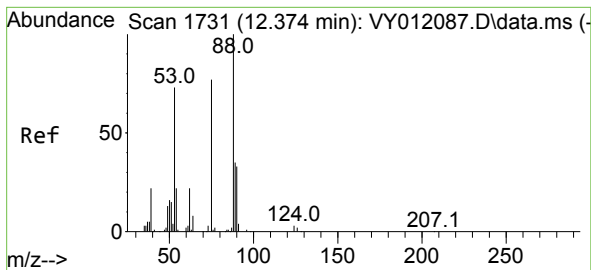
Tgt Ion: 75 Resp: 84514

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.057 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012287.D
 Acq: 20 Jan 2023 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-8

Tgt Ion: 75 Resp: 84514
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.0 37.0 55.4#

