

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008979.D
 Acq On : 22 May 2022 04:14
 Operator : KP/MD
 Sample : N2887-12
 Misc : 4.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P039-SS001-0006-01

Quant Time: May 22 04:49:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

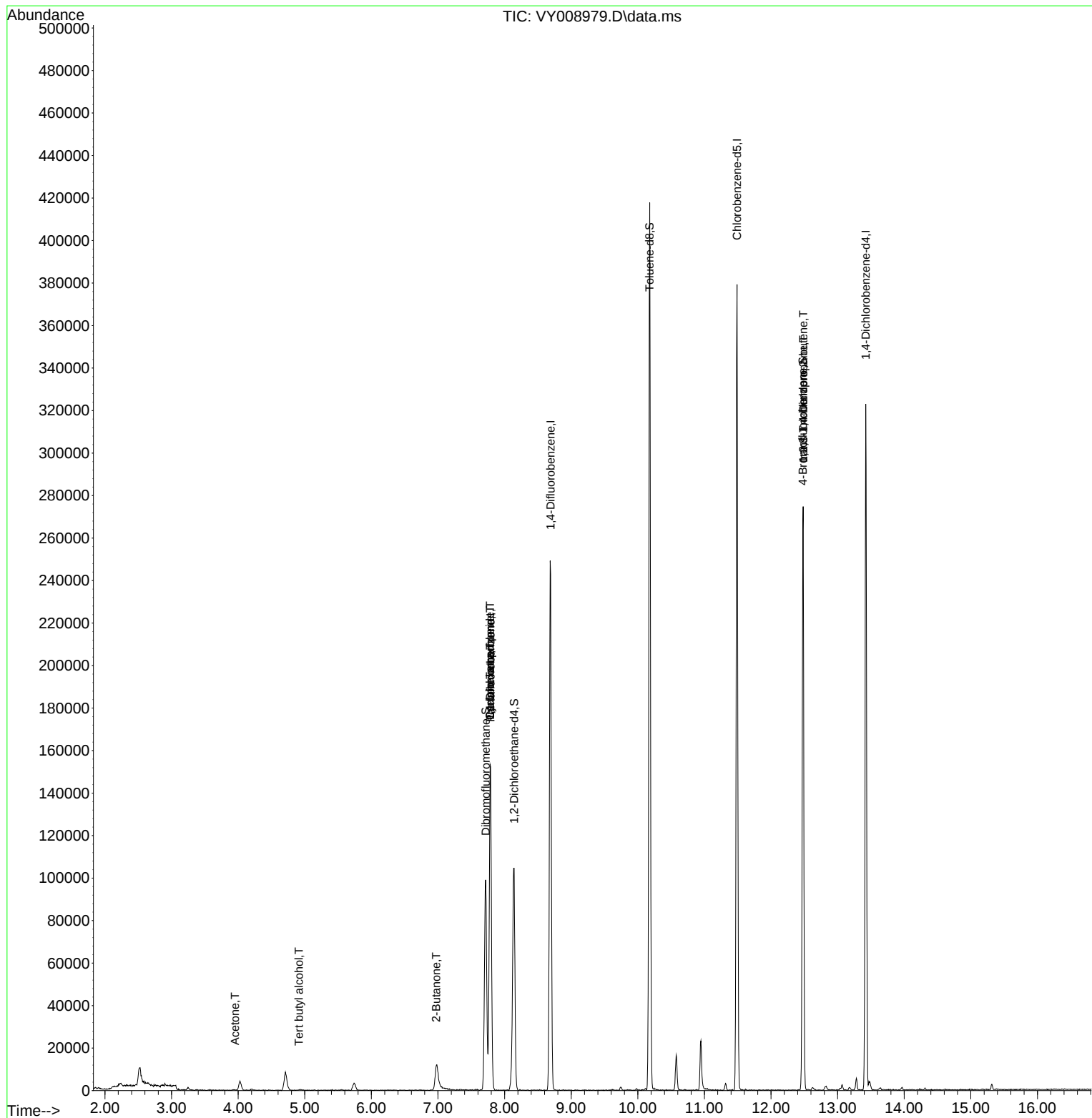
Internal Standards						
1) Pentafluorobenzene	7.789	168	116852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	193590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	77549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	77171	64.169	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 128.340%	
35) Dibromofluoromethane	7.716	113	67890	52.357	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 104.720%	
50) Toluene-d8	10.179	98	261090	54.580	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 109.160%	
62) 4-Bromofluorobenzene	12.477	95	72234	37.434	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 74.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	144	1.180	ug/l #	77
16) Acetone	3.954	43	593	2.369	ug/l #	47
20) Methylene Chloride	4.710	84	5699	Below Cal	#	79
25) 2-Butanone	6.972	43	668	1.494	ug/l #	54
31) Cyclohexane	7.783	56	2830	1.203	ug/l #	29
36) 1,1-Dichloropropene	7.783	75	10191	4.618	ug/l #	50
38) Carbon Tetrachloride	7.783	117	11467	4.968	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	42147	50.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42147	103.877	ug/l #	7

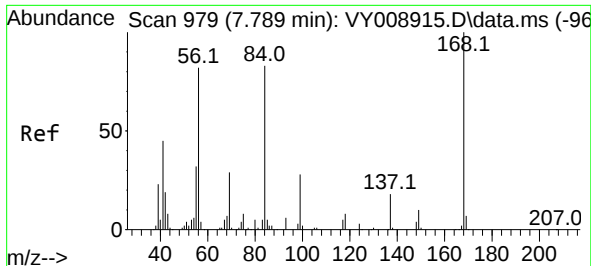
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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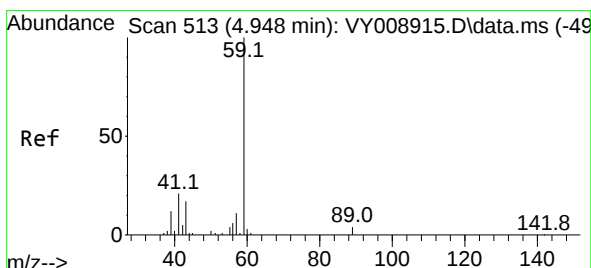
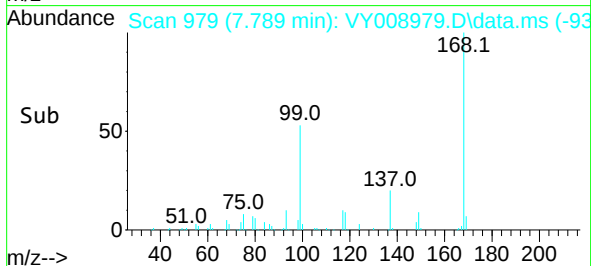
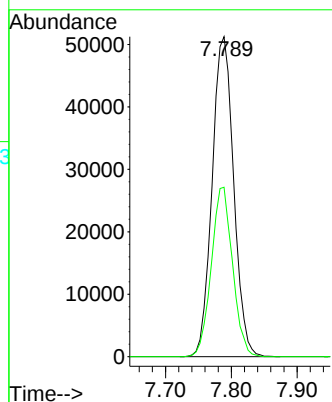
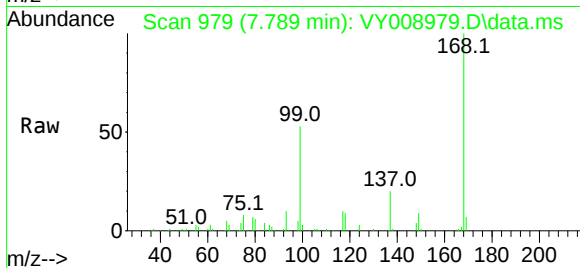




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008979.D
Acq: 22 May 2022 04:14

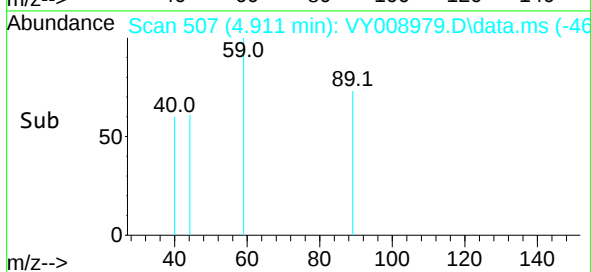
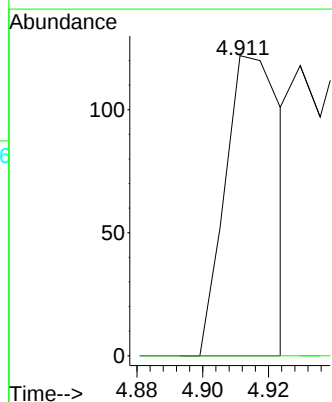
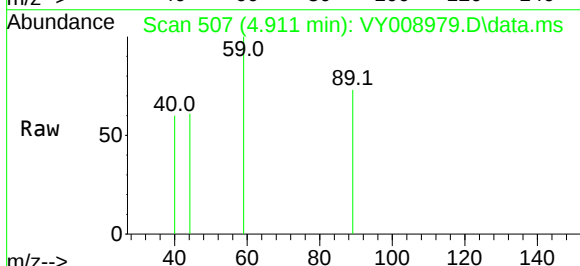
Instrument :
MSVOA_Y
ClientSampleId :
P039-SS001-0006-01

Tgt Ion:168 Resp: 116852
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.180 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY008979.D
Acq: 22 May 2022 04:14

Tgt Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.369 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY008979.D

Acq: 22 May 2022 04:14

Instrument :

MSVOA_Y

ClientSampleId :

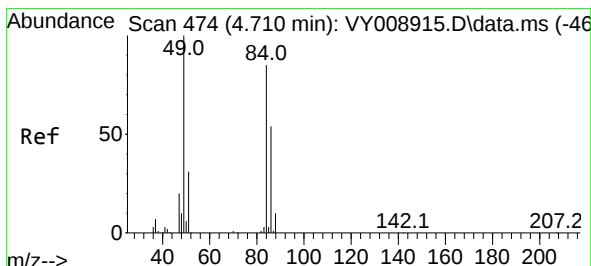
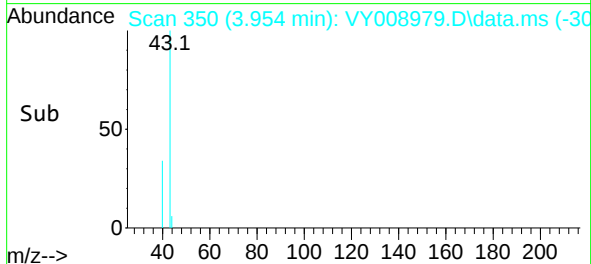
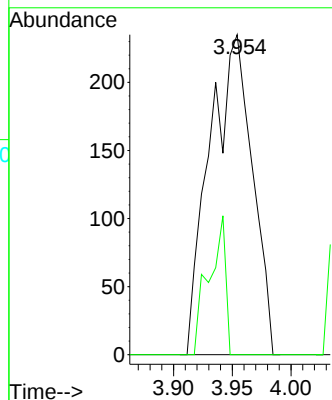
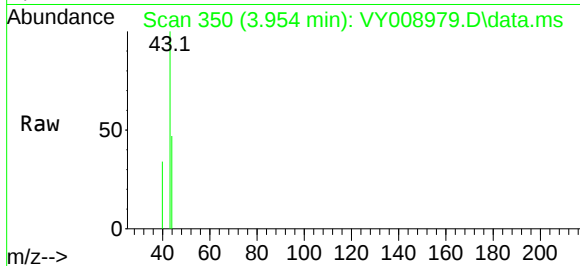
P039-SS001-0006-01

Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY008979.D

Acq: 22 May 2022 04:14

Tgt Ion: 84 Resp: 5699

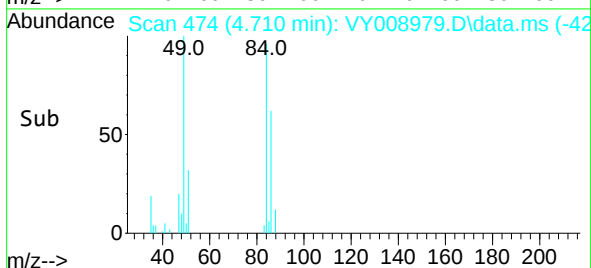
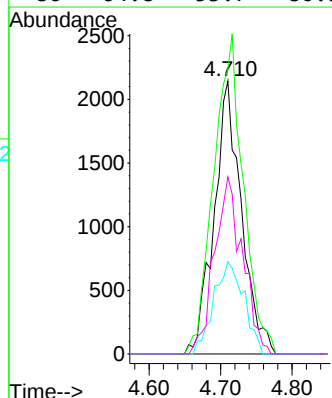
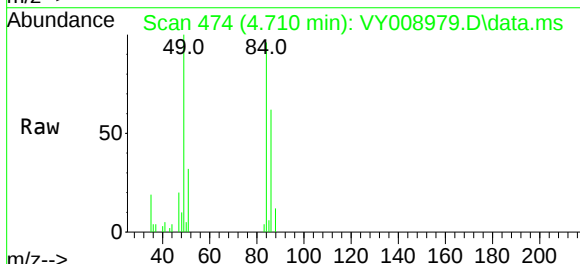
Ion Ratio Lower Upper

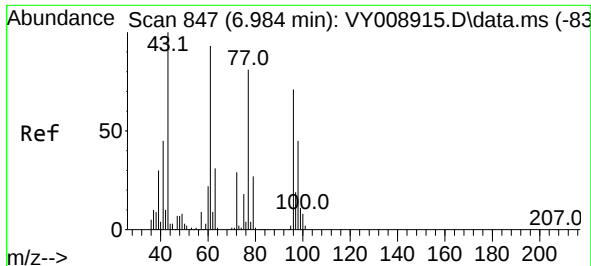
84 100

49 104.4 114.4 171.6#

51 33.8 35.3 52.9#

86 64.8 53.7 80.5





#25

2-Butanone

Concen: 1.494 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY008979.D

Acq: 22 May 2022 04:14

Instrument :

MSVOA_Y

ClientSampleId :

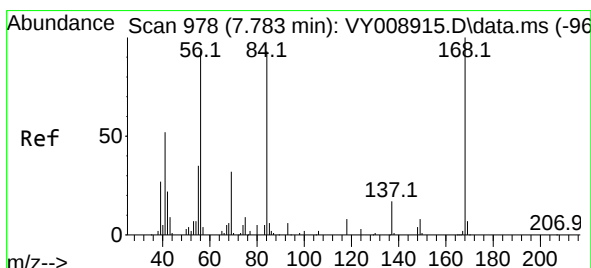
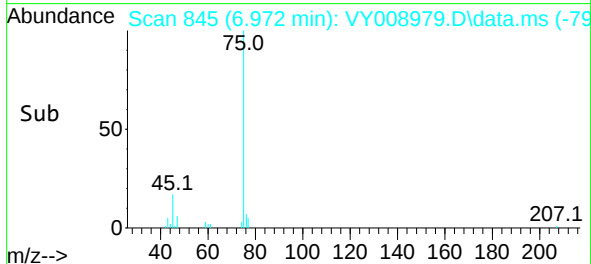
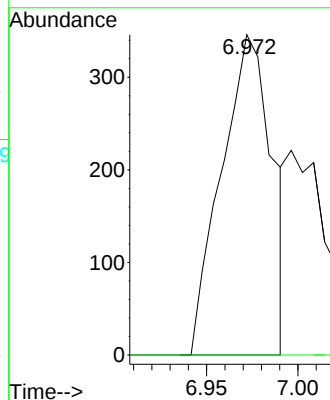
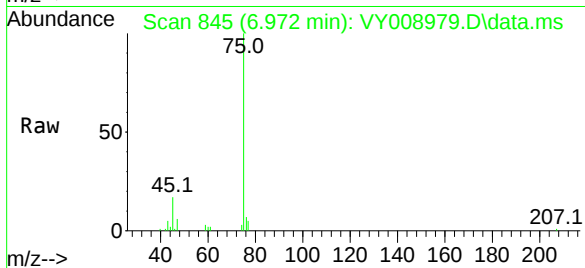
P039-SS001-0006-01

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY008979.D

Acq: 22 May 2022 04:14

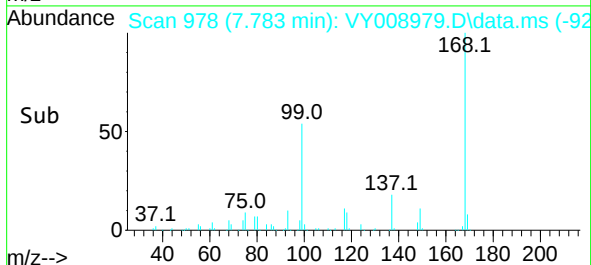
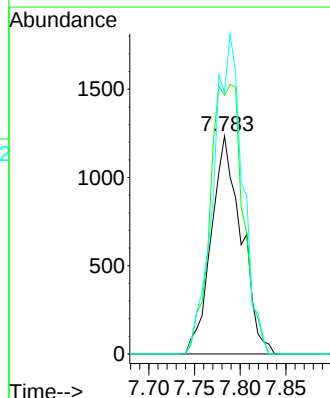
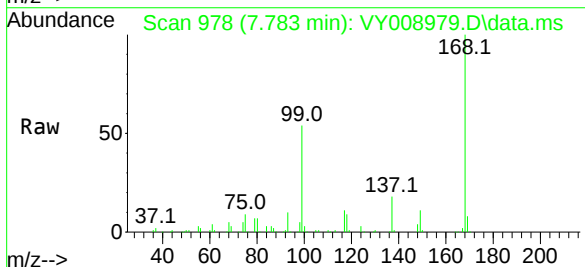
Tgt Ion: 56 Resp: 2830

Ion Ratio Lower Upper

56 100

69 118.7 26.7 40.1#

84 120.0 67.2 100.8#

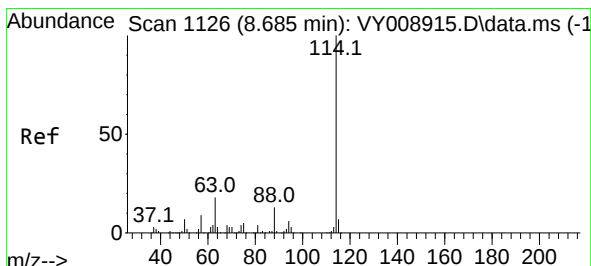
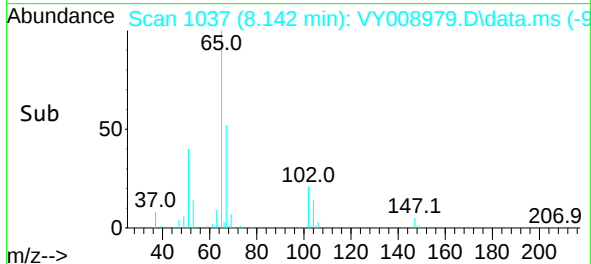
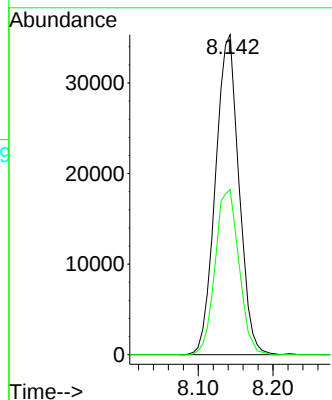
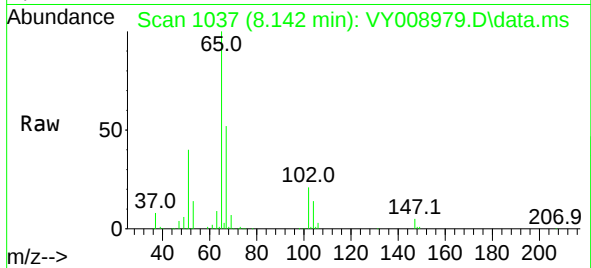




#33
 1,2-Dichloroethane-d4
 Concen: 64.169 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY008979.D
 Acq: 22 May 2022 04:14

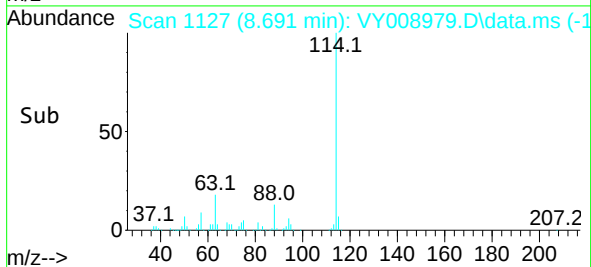
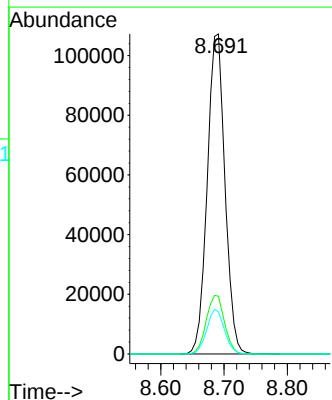
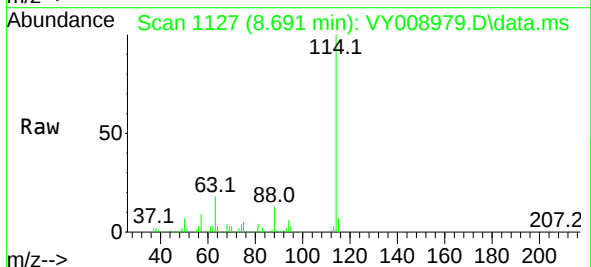
Instrument :
 MSVOA_Y
 ClientSampleId :
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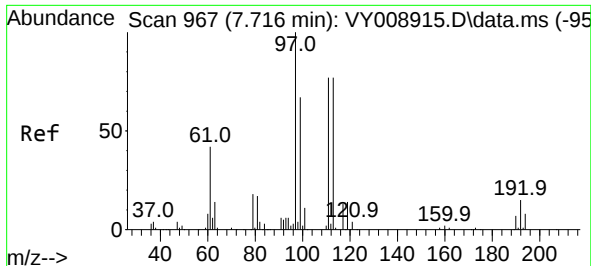
Tgt Ion: 65 Resp: 77171
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY008979.D
 Acq: 22 May 2022 04:14

Tgt Ion: 114 Resp: 208521
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 43.2
 88 13.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.357 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY008979.D

Acq: 22 May 2022 04:14

Instrument :

MSVOA_Y

ClientSampleId :

P039-SS001-0006-01

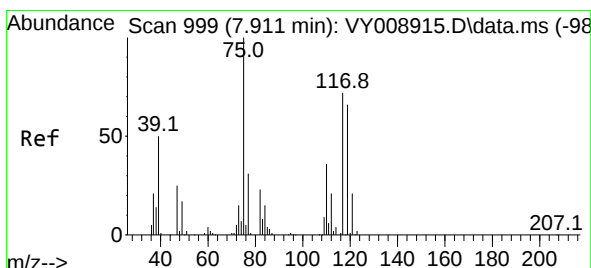
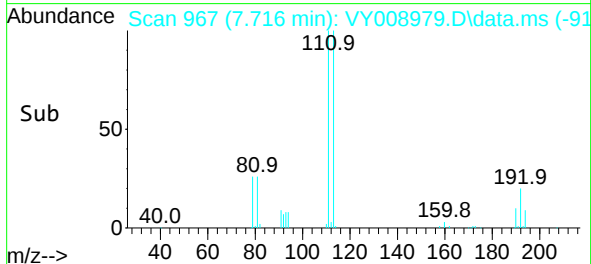
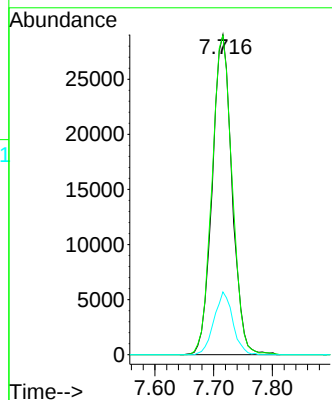
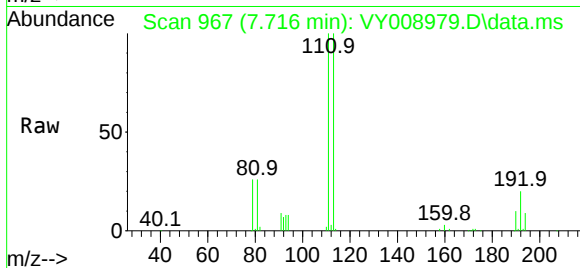
Tgt Ion:113 Resp: 67890

Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 18.7 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY008979.D

Acq: 22 May 2022 04:14

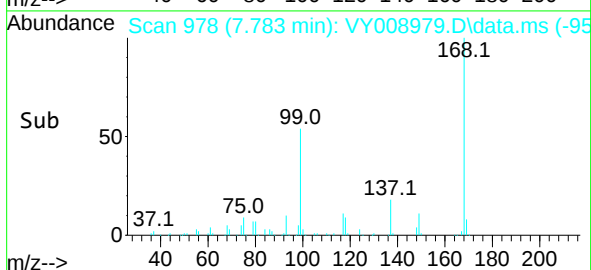
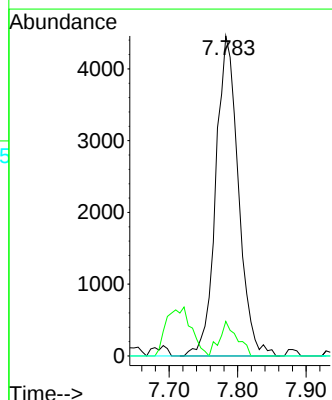
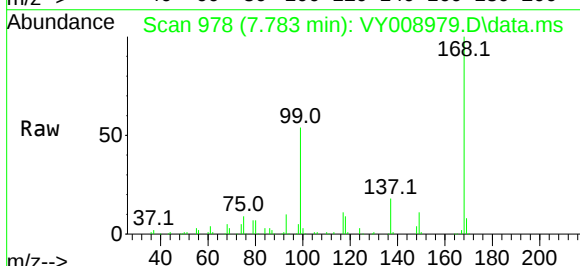
Tgt Ion: 75 Resp: 10191

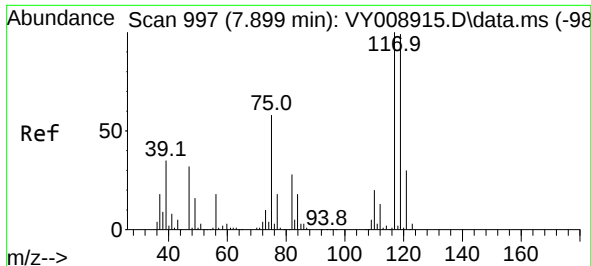
Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 24.4 36.6#

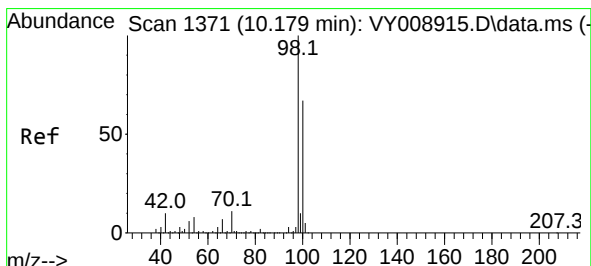
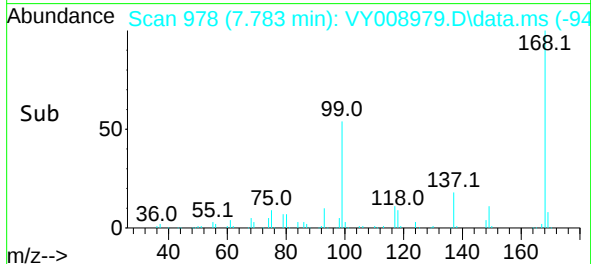
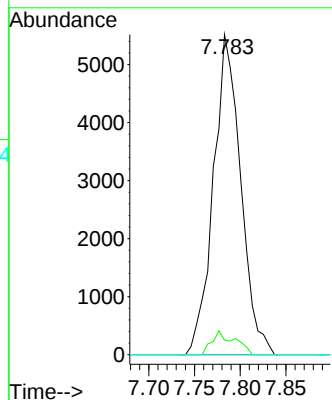
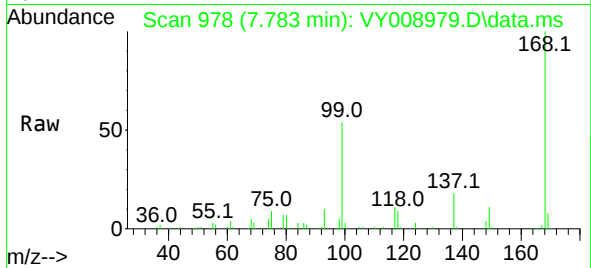




#38
Carbon Tetrachloride
Concen: 4.968 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008979.D
Acq: 22 May 2022 04:14

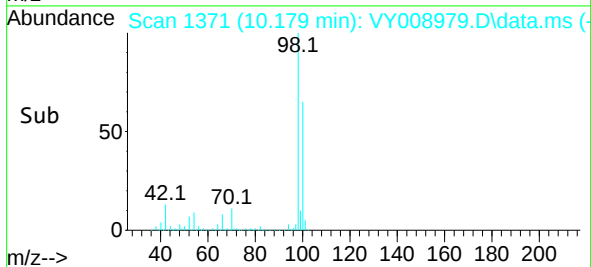
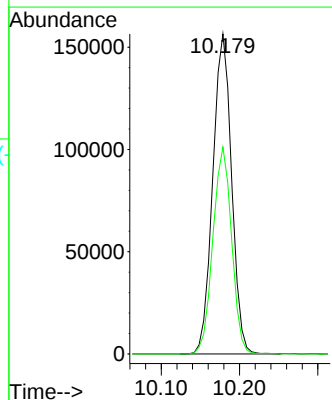
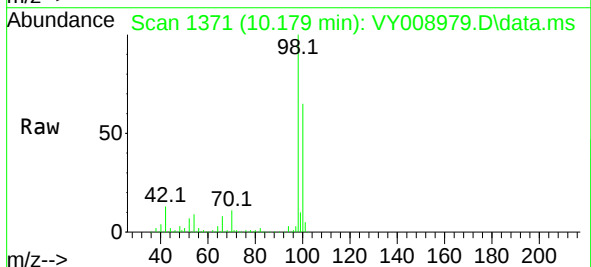
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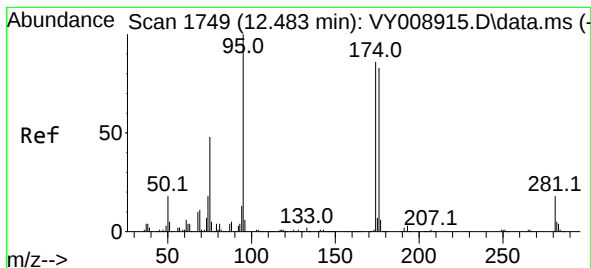
Tgt Ion:117 Resp: 11467
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.580 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008979.D
Acq: 22 May 2022 04:14

Tgt Ion: 98 Resp: 261090
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

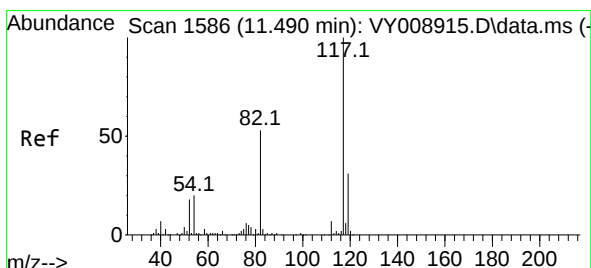
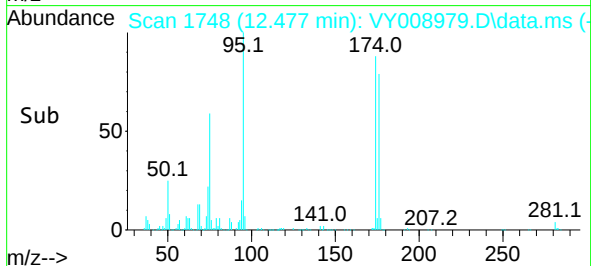
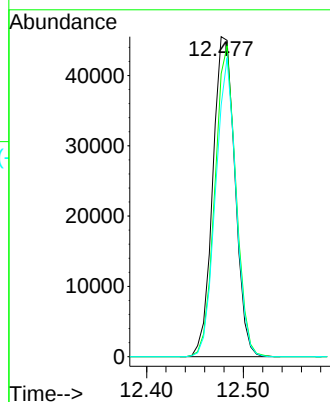
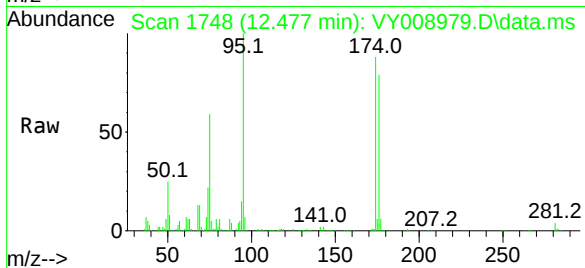




#62
4-Bromofluorobenzene
Concen: 37.434 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008979.D
Acq: 22 May 2022 04:14

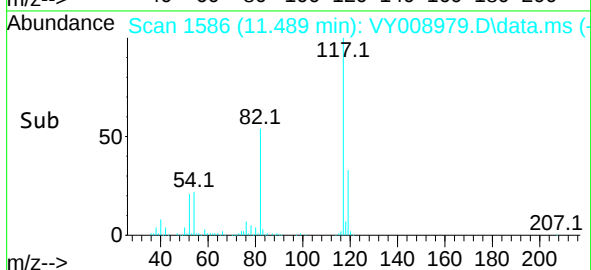
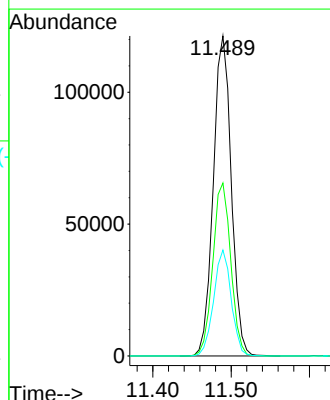
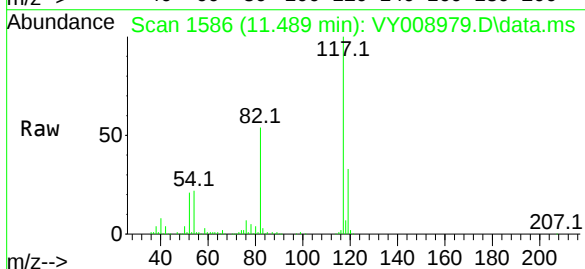
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P039-SS001-0006-01

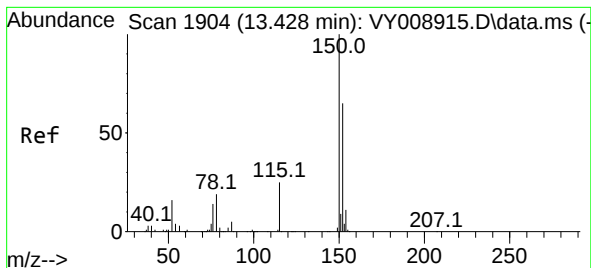
Tgt Ion: 95 Resp: 72234
Ion Ratio Lower Upper
95 100
174 92.0 0.0 177.0
176 86.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY008979.D
Acq: 22 May 2022 04:14

Tgt Ion: 117 Resp: 193590
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 33.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY008979.D

Acq: 22 May 2022 04:14

Instrument :

MSVOA_Y

ClientSampleId :

P039-SS001-0006-01

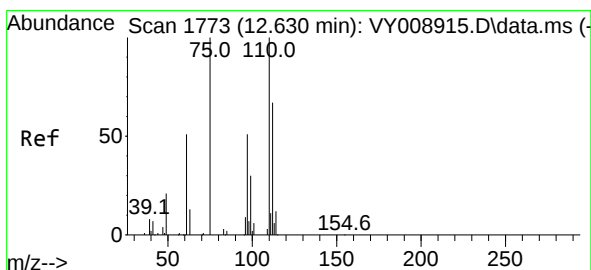
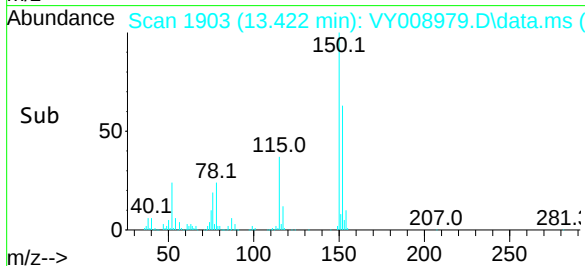
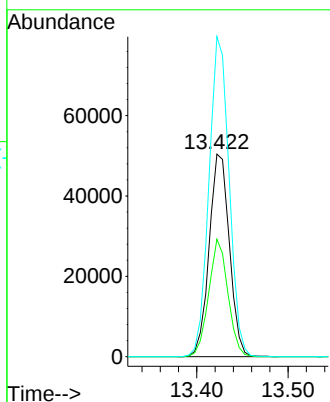
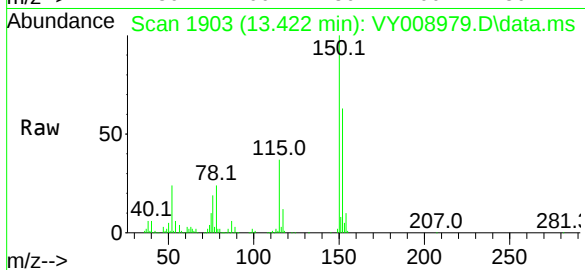
Tgt Ion:152 Resp: 77549

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 157.1 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 50.610 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY008979.D

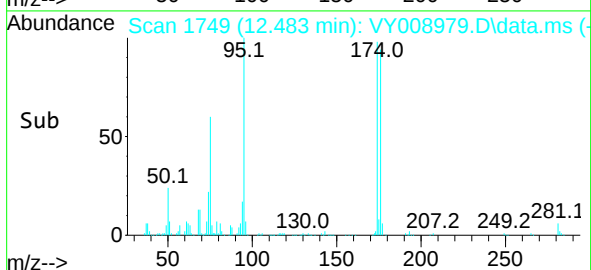
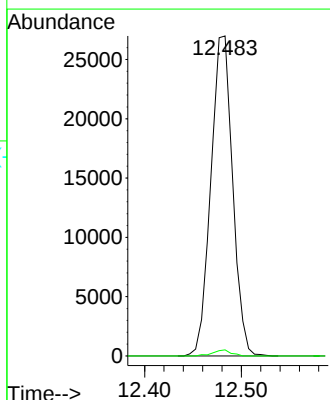
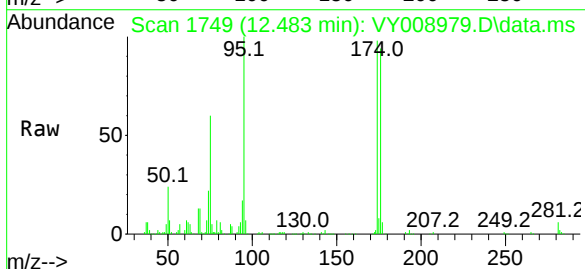
Acq: 22 May 2022 04:14

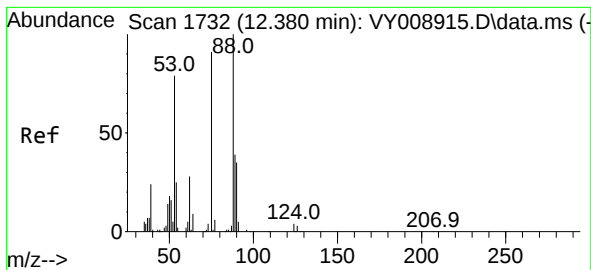
Tgt Ion: 75 Resp: 42147

Ion Ratio Lower Upper

75 100

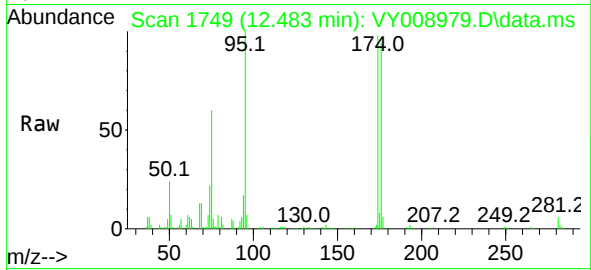
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.877 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008979.D
 Acq: 22 May 2022 04:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 P039-SS001-0006-01



Tgt Ion: 75 Resp: 42147
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

