

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012438.D
 Acq On : 01 Feb 2023 13:30
 Operator : KP/MD
 Sample : 01383-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2875

Quant Time: Feb 01 23:04:21 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)

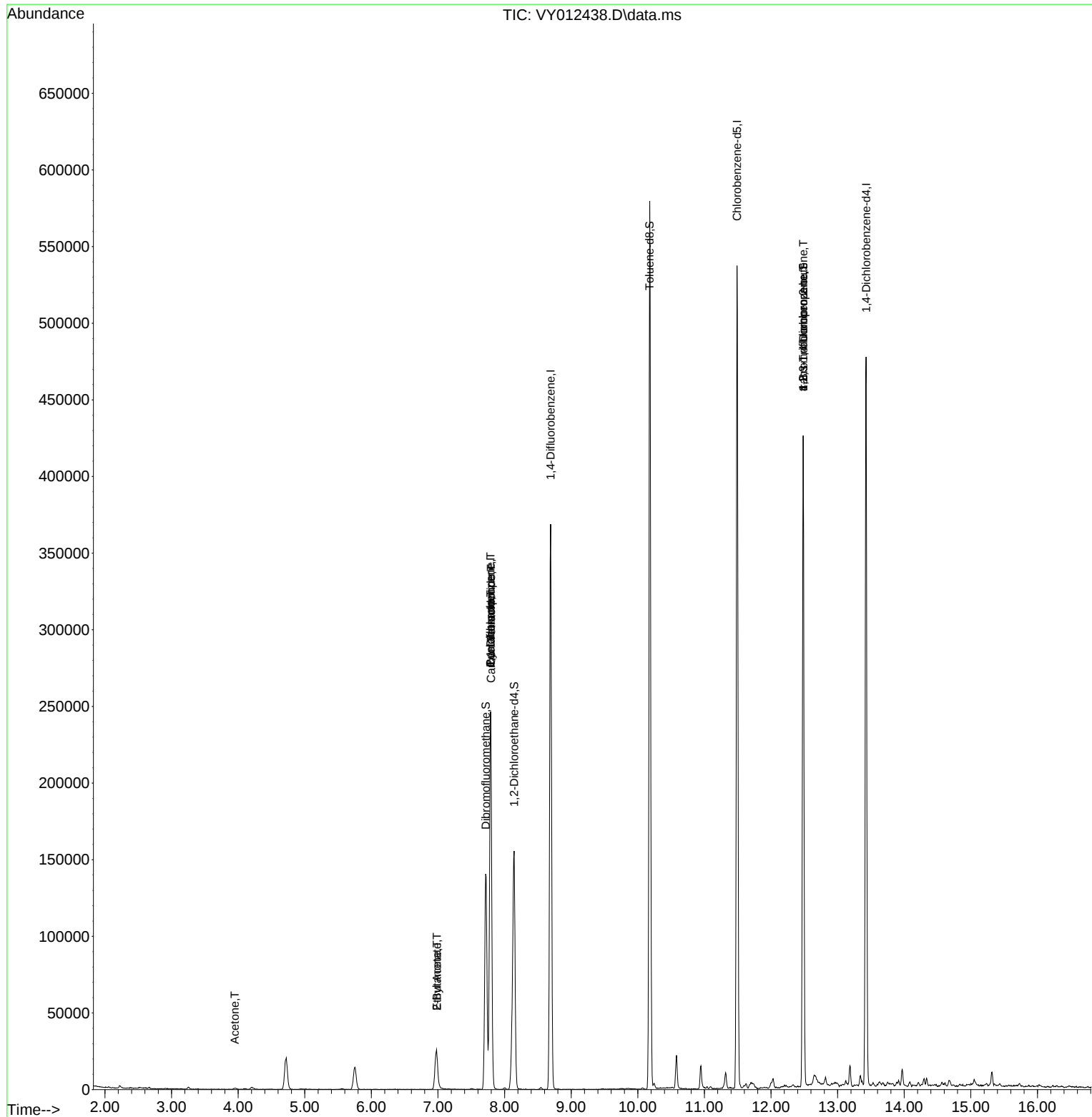
Internal Standards						
1) Pentafluorobenzene	7.789	168	199309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	305587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116113	72.016	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 144.040%		
35) Dibromofluoromethane	7.716	113	99236	56.494	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 112.980%		
50) Toluene-d8	10.179	98	385693	64.639	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 129.280%		
62) 4-Bromofluorobenzene	12.483	95	123980	50.068	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 100.140%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	394	Below Cal	#	74
16) Acetone	3.948	43	1494	2.692	ug/l	97
20) Methylene Chloride	4.716	84	16856	Below Cal		87
25) 2-Butanone	6.984	43	1353	2.208	ug/l #	76
31) Cyclohexane	7.789	56	3576	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13489	4.518	ug/l #	51
37) Ethyl Acetate	6.984	43	1353	1.028	ug/l #	1
38) Carbon Tetrachloride	7.795	117	19528	5.065	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	64706	54.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64706	111.906	ug/l #	13

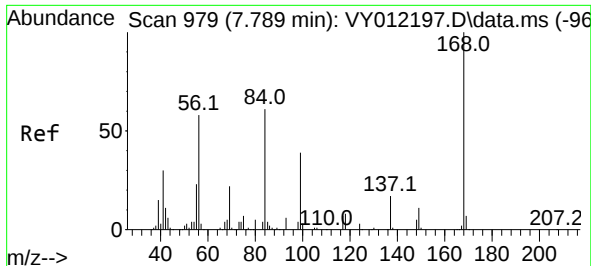
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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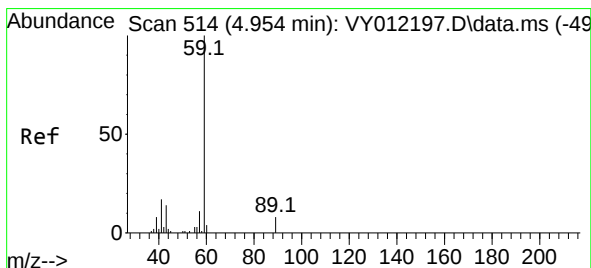
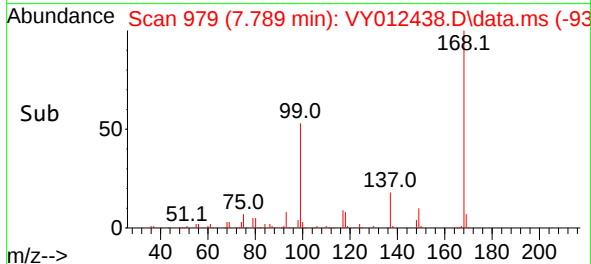
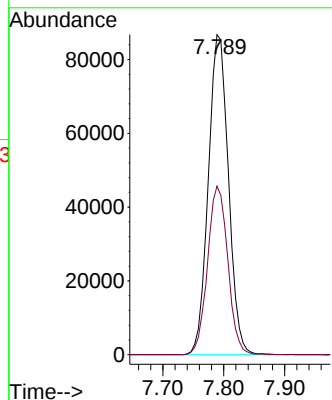
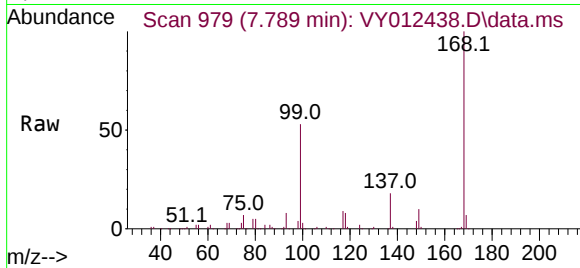




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

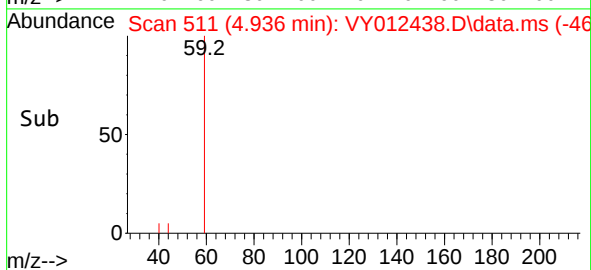
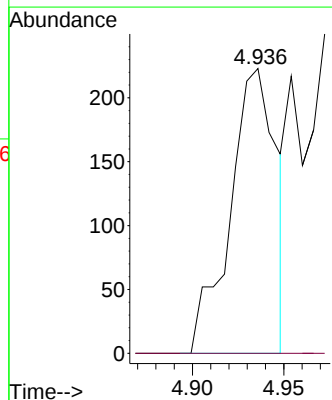
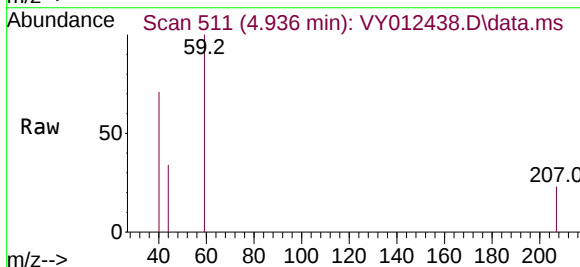
Instrument :
MSVOA_Y
ClientSampleId :
2875

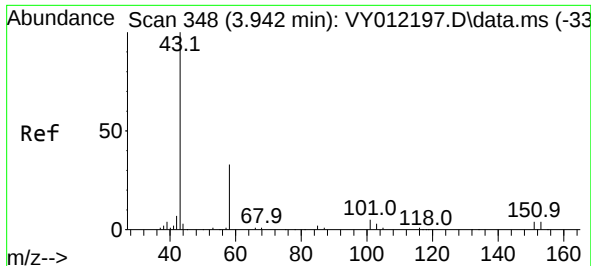
Tgt Ion:168 Resp: 199309
Ion Ratio Lower Upper
168 100
99 52.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 2.692 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012438.D

Acq: 01 Feb 2023 13:30

Instrument :

MSVOA_Y

ClientSampleId :

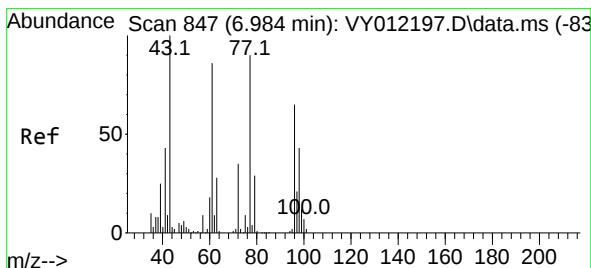
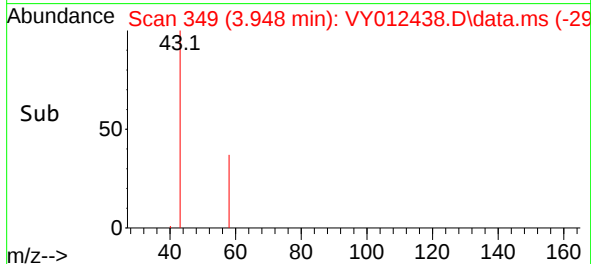
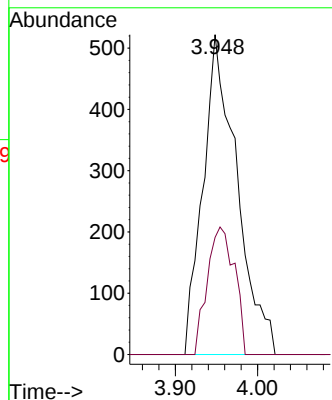
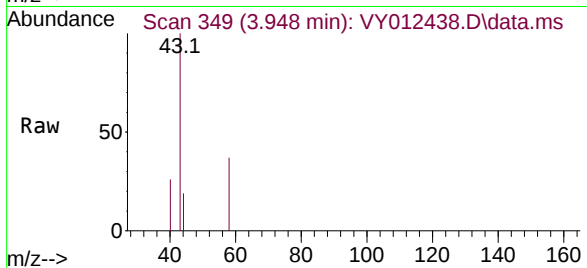
2875

Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

43 100

58 36.6 27.9 41.9



#25

2-Butanone

Concen: 2.208 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012438.D

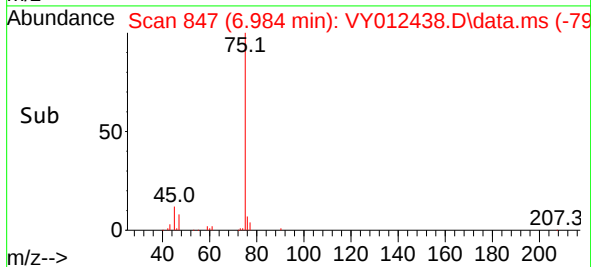
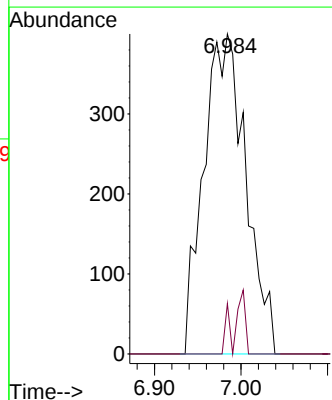
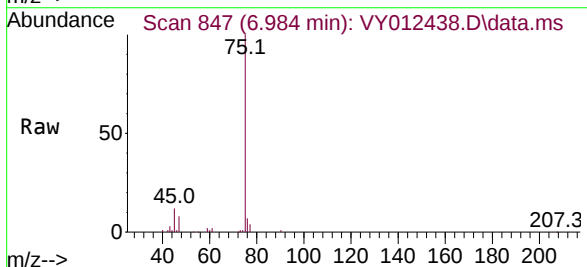
Acq: 01 Feb 2023 13:30

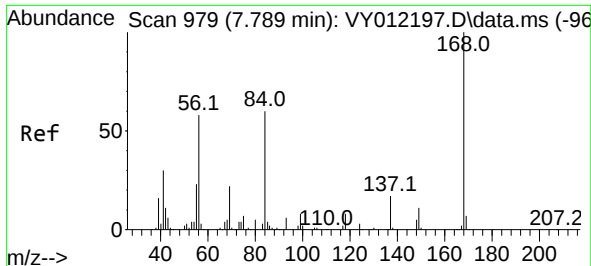
Tgt Ion: 43 Resp: 1353

Ion Ratio Lower Upper

43 100

72 15.8 22.6 34.0#

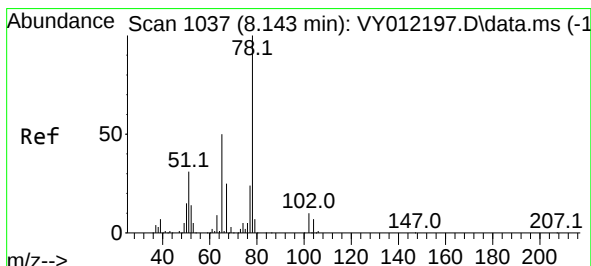
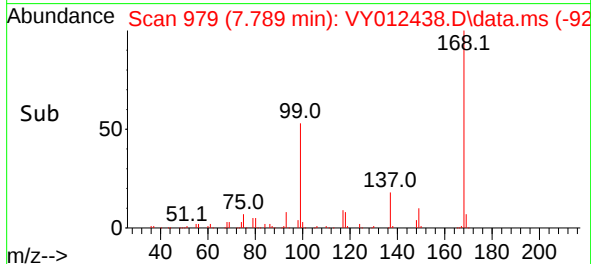
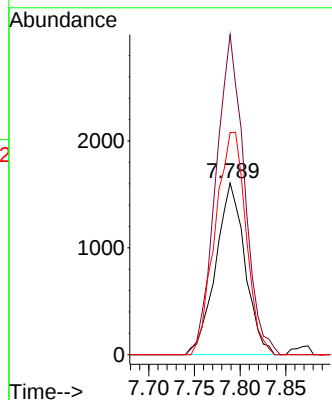
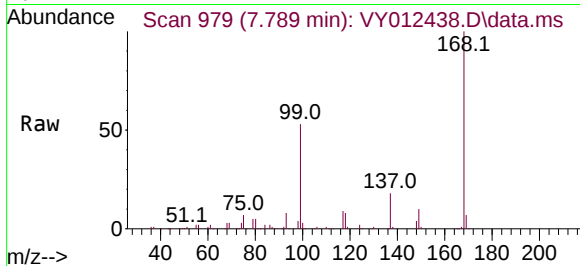




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

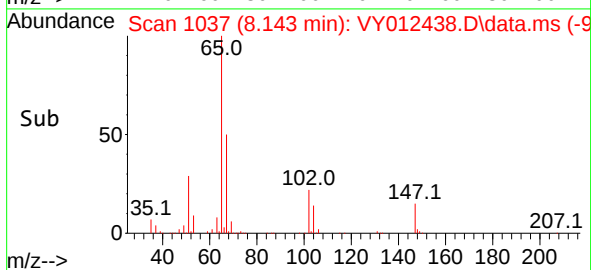
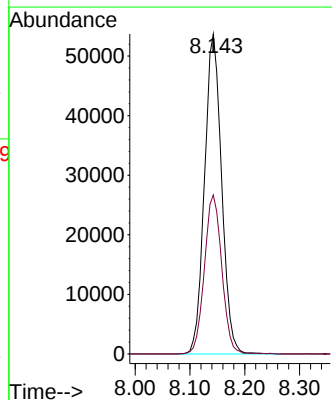
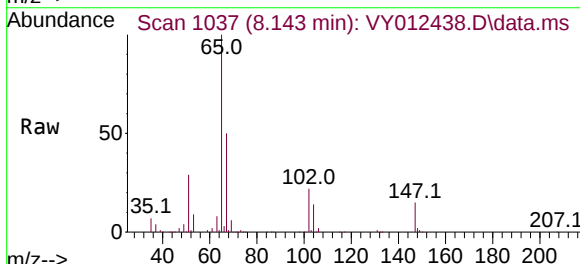
Instrument :
MSVOA_Y
ClientSampleId :
2875

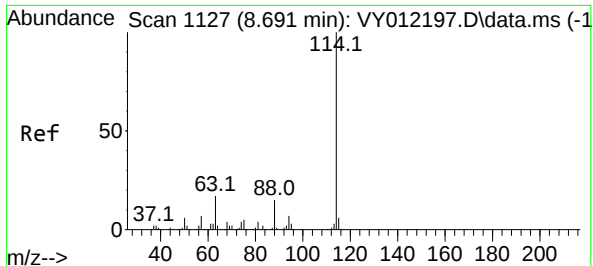
Tgt Ion: 56 Resp: 3576
Ion Ratio Lower Upper
56 100
69 186.4 29.2 43.8#
84 129.4 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 72.016 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

Tgt Ion: 65 Resp: 116113
Ion Ratio Lower Upper
65 100
67 50.5 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: VY012438.D

Acq: 01 Feb 2023 13:30

Instrument :

MSVOA_Y

ClientSampleId :

2875

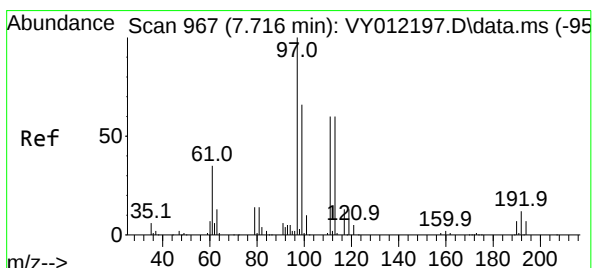
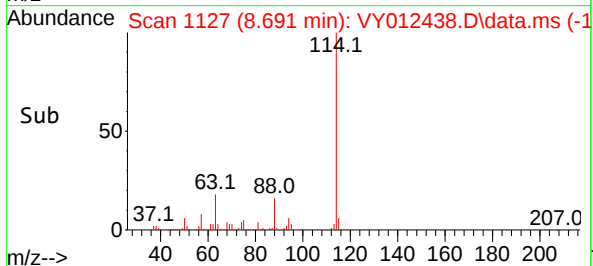
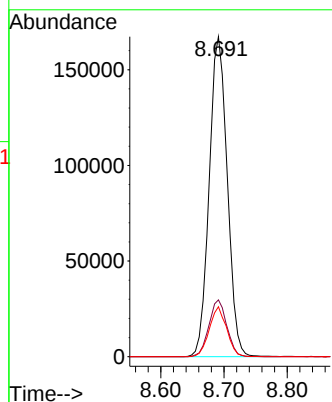
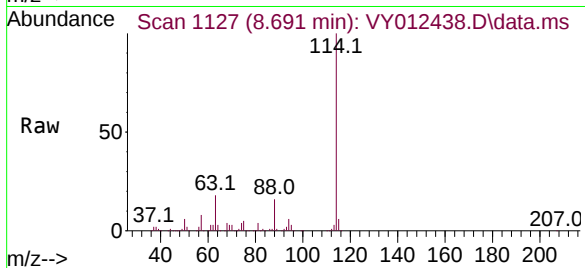
Tgt Ion:114 Resp: 331745

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.494 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012438.D

Acq: 01 Feb 2023 13:30

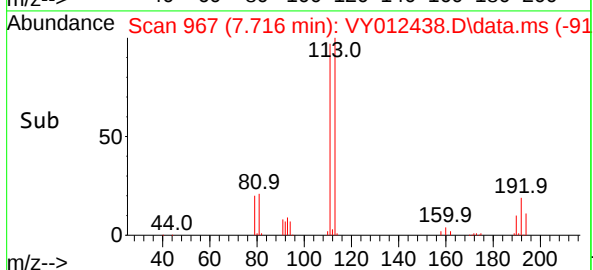
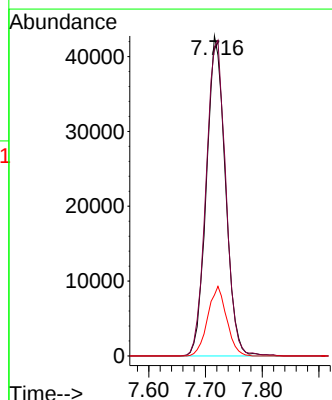
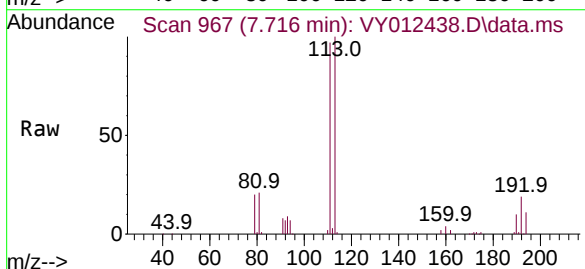
Tgt Ion:113 Resp: 99236

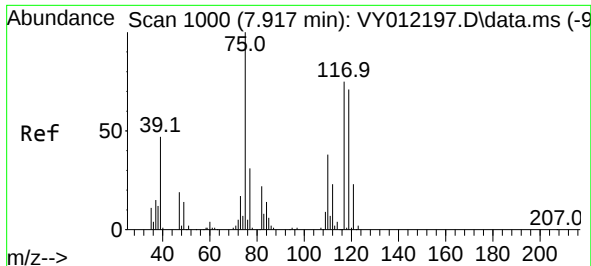
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 21.7 16.0 24.0

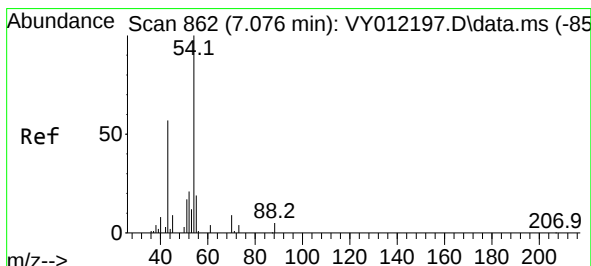
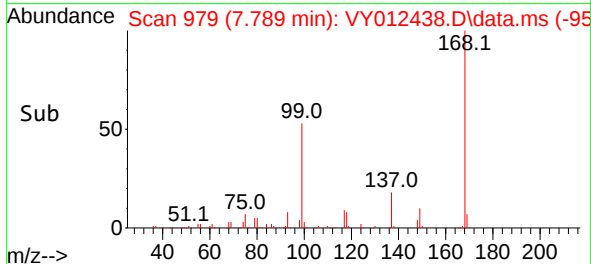
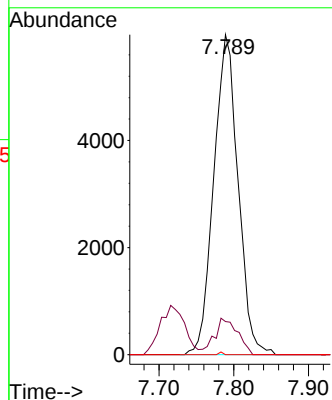
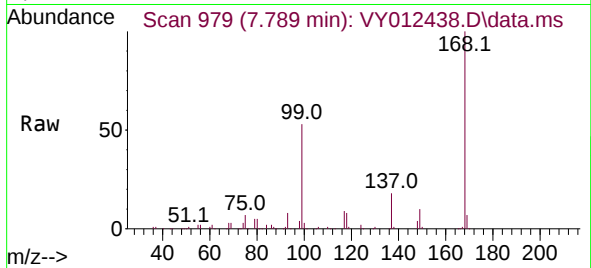




#36
1,1-Dichloropropene
Concen: 4.518 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

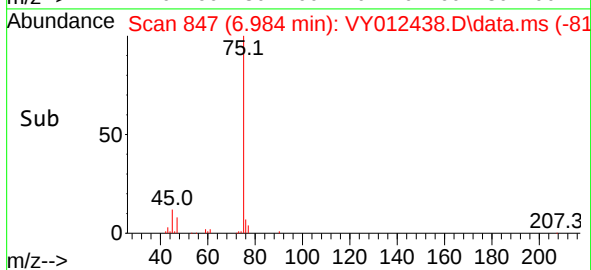
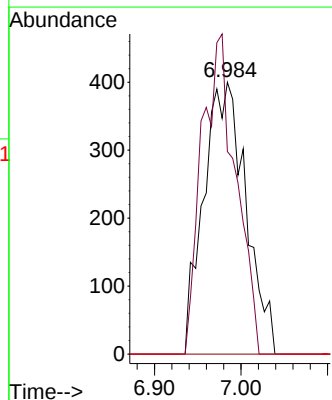
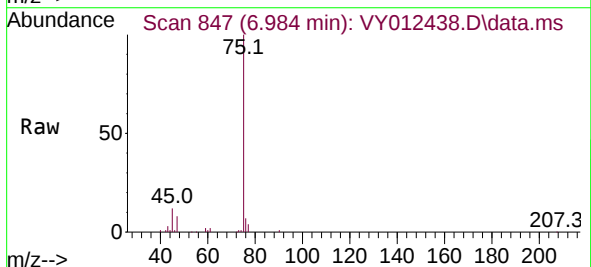
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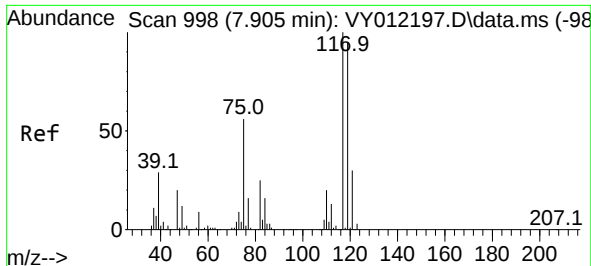
Tgt Ion: 75 Resp: 13489
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.1#
77 0.1 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.028 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.092 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
61 94.8 11.3 16.9#
70 0.0 8.2 12.4#

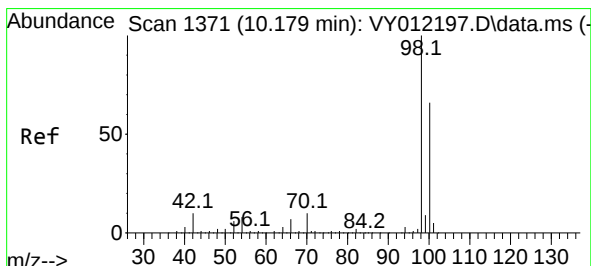
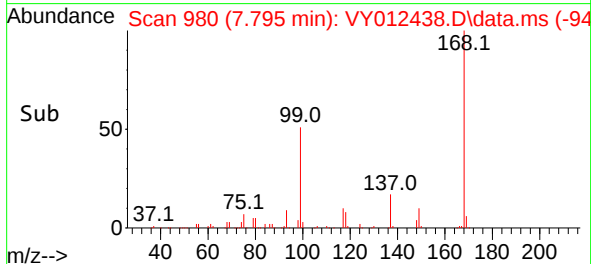
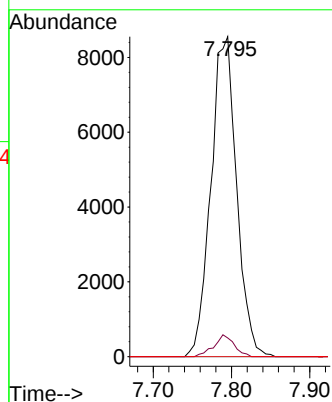
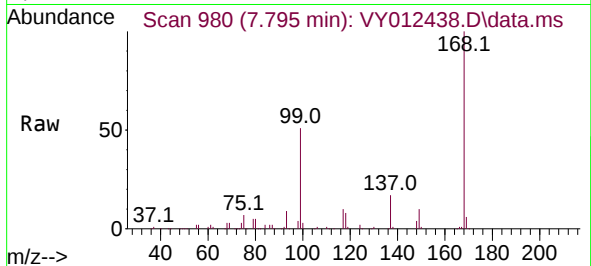




#38
Carbon Tetrachloride
Concen: 5.065 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

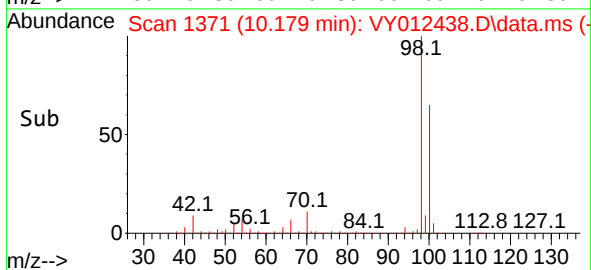
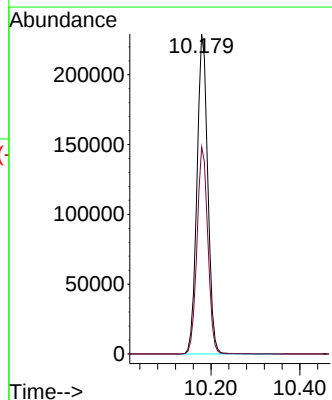
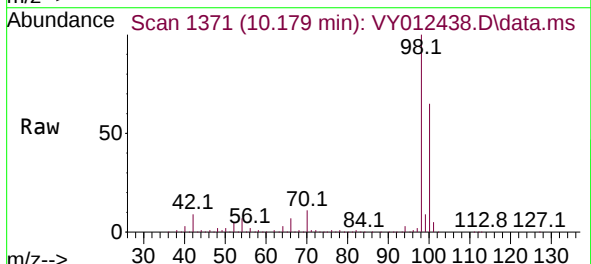
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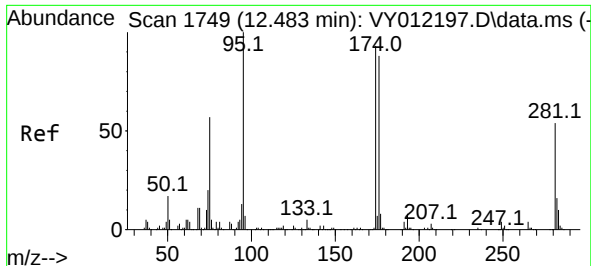
Tgt Ion:117 Resp: 19528
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 64.639 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012438.D
Acq: 01 Feb 2023 13:30

Tgt Ion: 98 Resp: 385693
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 50.068 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012438.D

Acq: 01 Feb 2023 13:30

Instrument :

MSVOA_Y

ClientSampleId :

2875

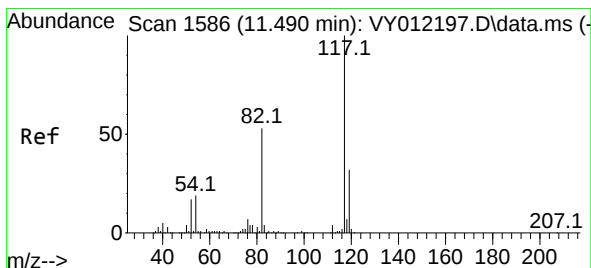
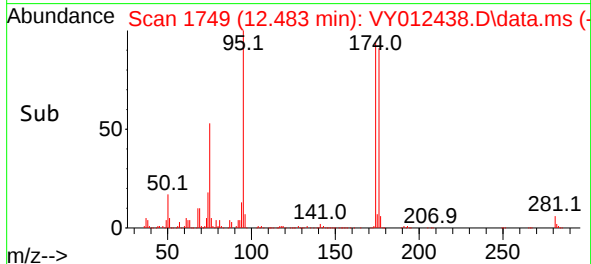
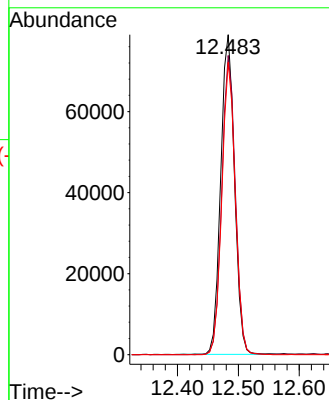
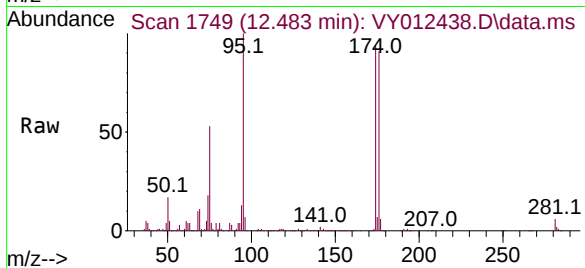
Tgt Ion: 95 Resp: 123980

Ion Ratio Lower Upper

95 100

174 92.2 0.0 172.0

176 89.0 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY012438.D

Acq: 01 Feb 2023 13:30

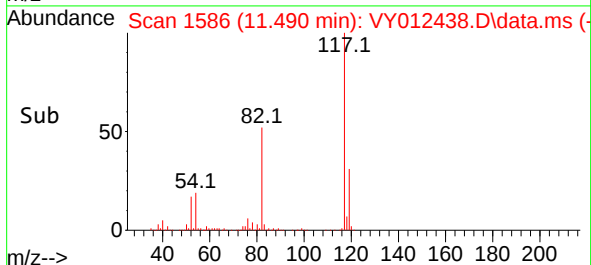
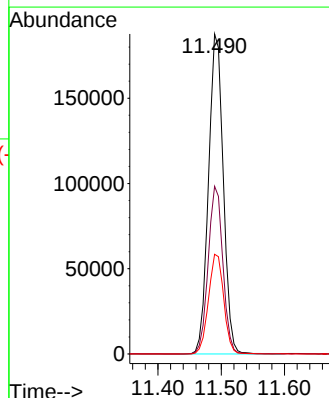
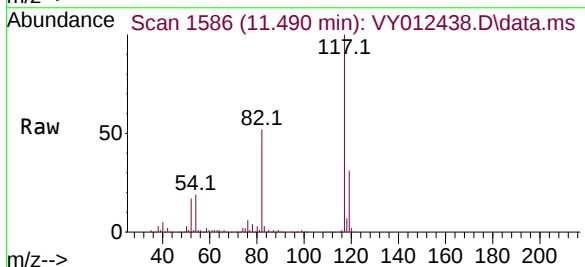
Tgt Ion: 117 Resp: 305587

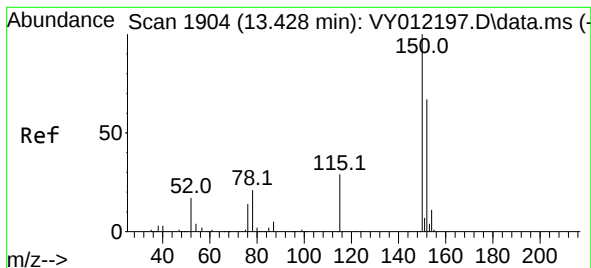
Ion Ratio Lower Upper

117 100

82 52.4 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# 1904

Delta R.T. 0.006 min

Lab File: VY012438.D

Acq: 01 Feb 2023 13:30

Instrument :

MSVOA_Y

ClientSampleId :

2875

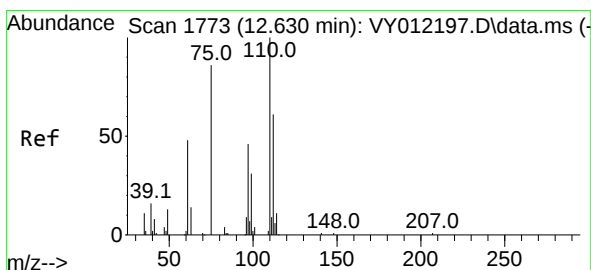
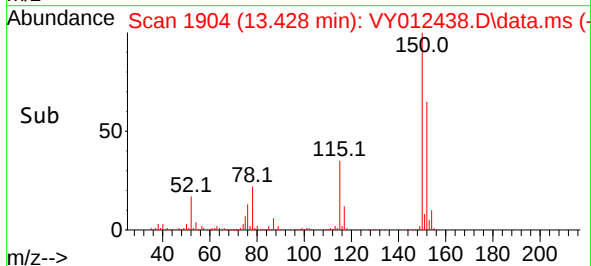
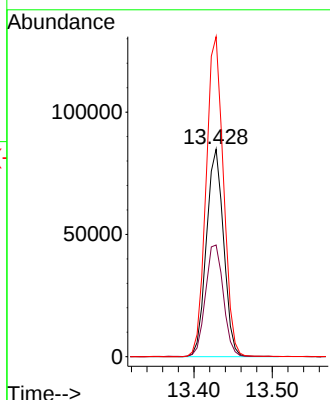
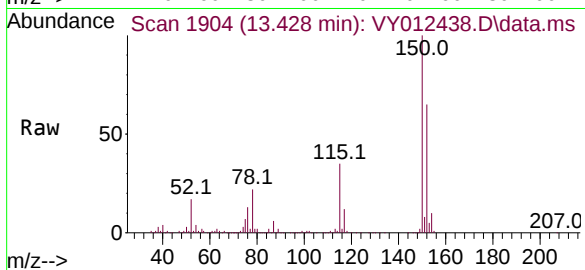
Tgt Ion:152 Resp: 129564

Ion Ratio Lower Upper

152 100

115 55.7 29.1 87.3

150 155.5 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 54.311 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012438.D

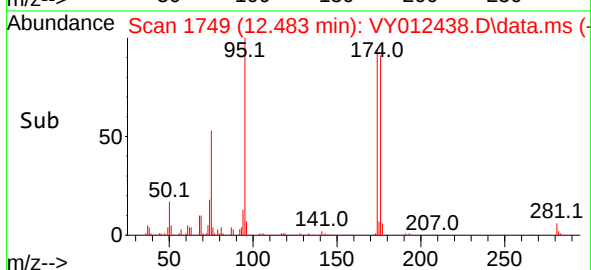
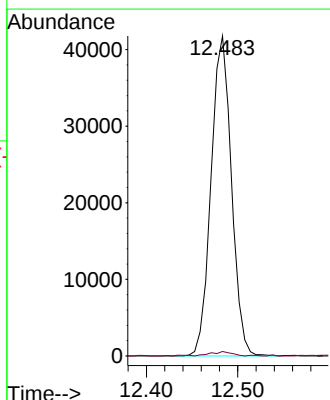
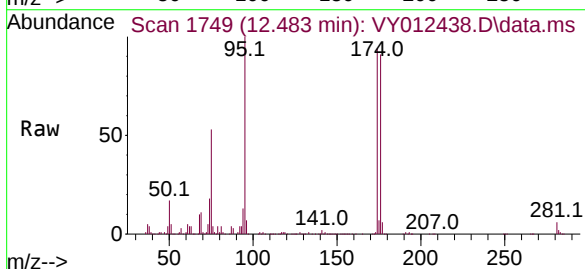
Acq: 01 Feb 2023 13:30

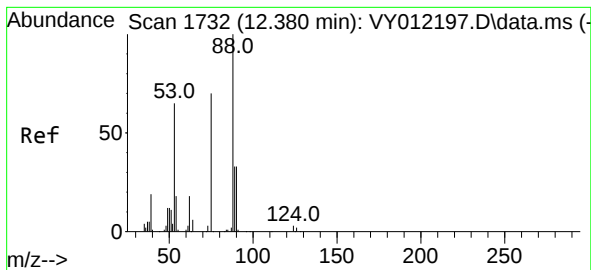
Tgt Ion: 75 Resp: 64706

Ion Ratio Lower Upper

75 100

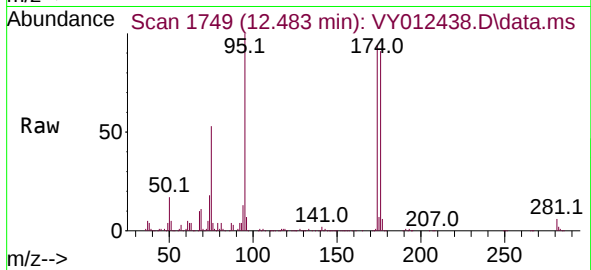
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.906 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012438.D
 Acq: 01 Feb 2023 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 2875



Tgt Ion: 75 Resp: 64706
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.5 108.7#
 89 0.0 37.0 55.4#

