

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012980.D
 Acq On : 16 Mar 2023 19:03
 Operator : KP/MD
 Sample : 01928-01
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 031423-1

Quant Time: Mar 17 01:39:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

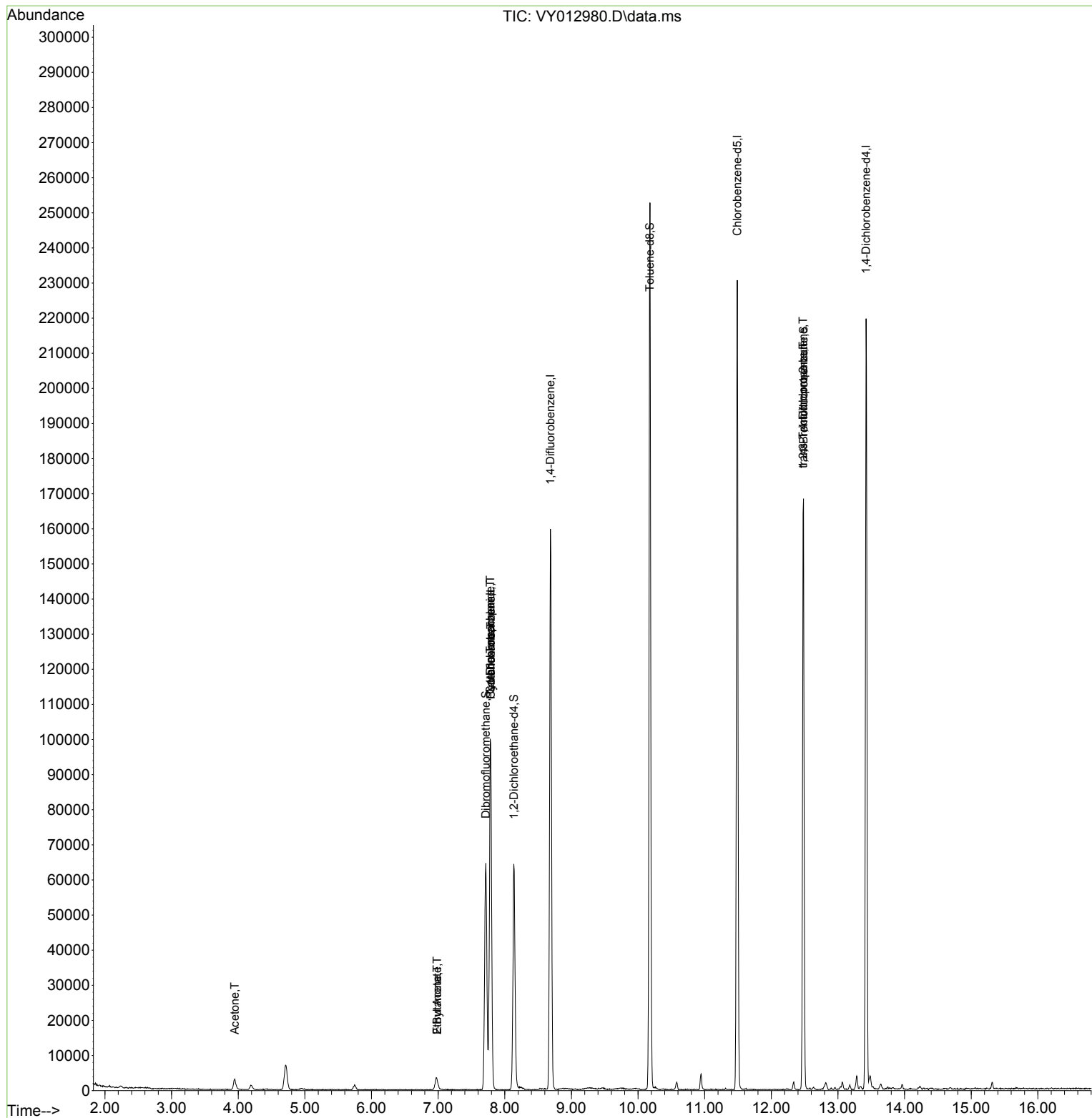
Internal Standards						
1) Pentafluorobenzene	7.789	168	77987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	133522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	121602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49861	64.394	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.780%			
35) Dibromofluoromethane	7.716	113	44537	55.270	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.540%			
50) Toluene-d8	10.179	98	161341	54.769	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.540%			
62) 4-Bromofluorobenzene	12.483	95	48334	48.611	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.220%			
Target Compounds						
11) Tert butyl alcohol	4.936	59	366	Below Cal	#	74
16) Acetone	3.948	43	5281	17.376	ug/l	94
25) 2-Butanone	6.984	43	1298	3.448	ug/l	94
31) Cyclohexane	7.789	56	1860	1.254	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	6126	4.537	ug/l	# 50
37) Ethyl Acetate	6.984	43	1298	1.525	ug/l	# 84
38) Carbon Tetrachloride	7.783	117	7774	5.575	ug/l	# 18
76) 1,2,3-Trichloropropane	12.477	75	25741	38.409	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	25741	79.584	ug/l	# 13

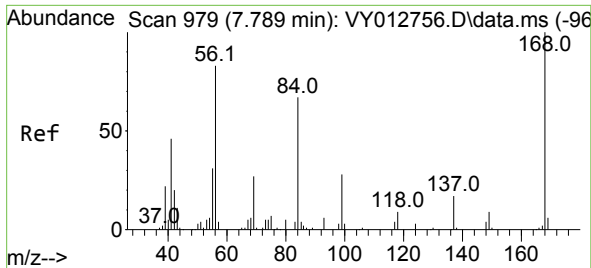
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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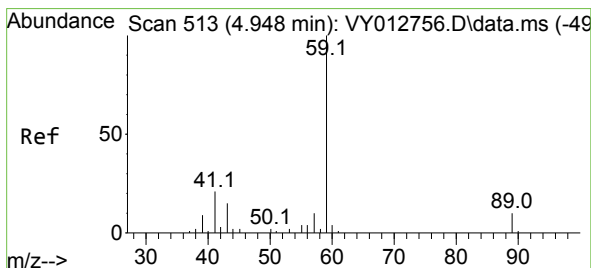
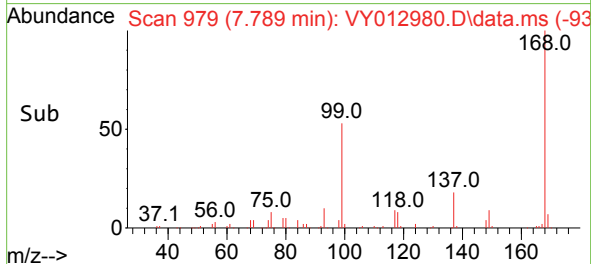
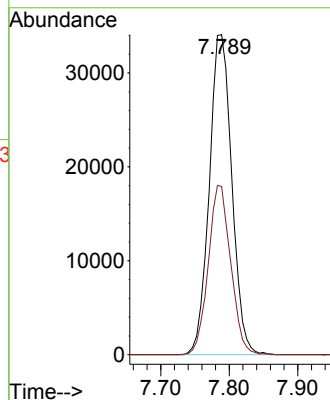
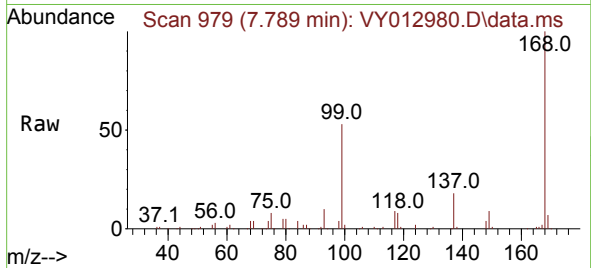




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

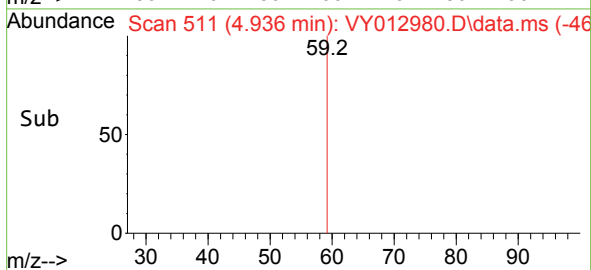
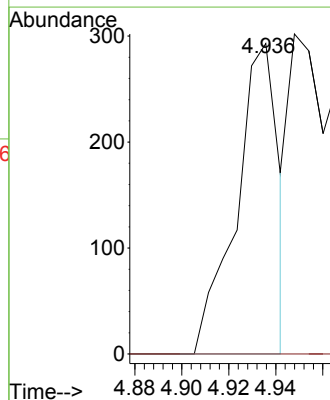
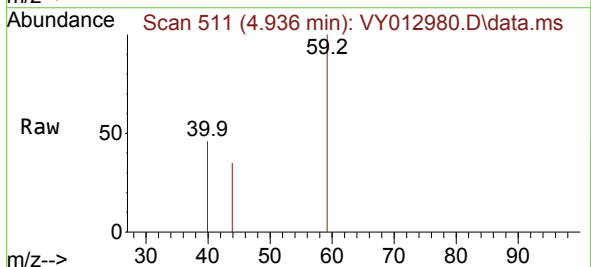
Instrument :
MSVOA_Y
ClientSampleId :
031423-1

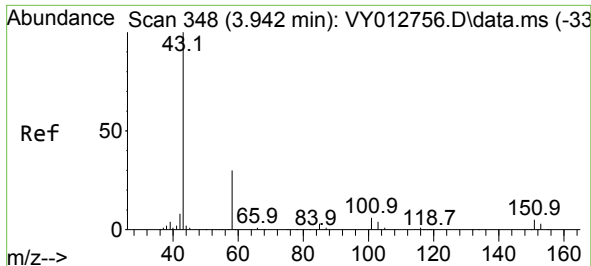
Tgt Ion:168 Resp: 77987
Ion Ratio Lower Upper
168 100
99 52.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

Tgt Ion: 59 Resp: 366
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

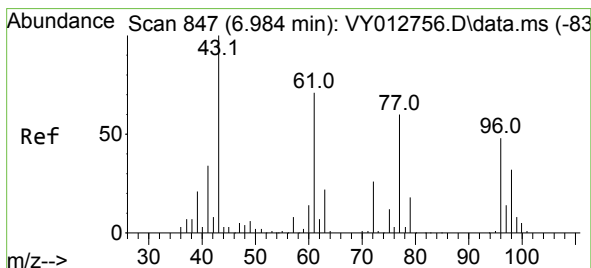
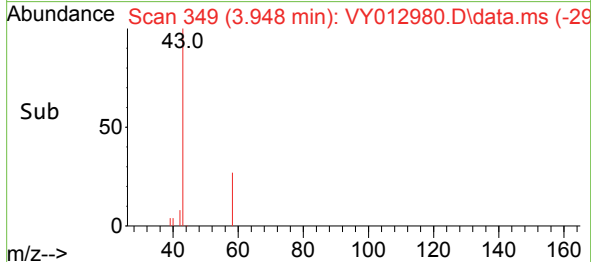
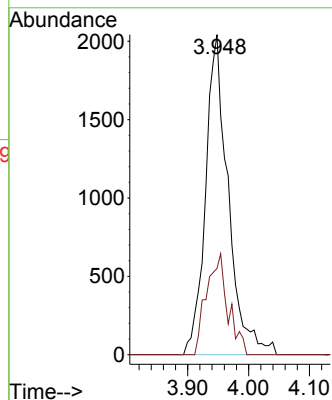
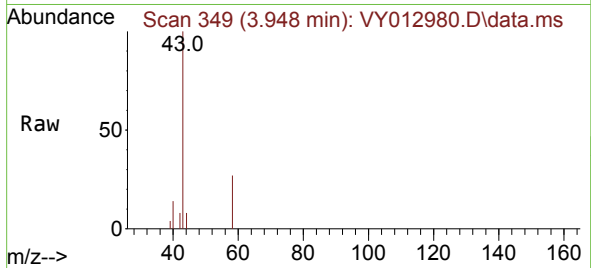




#16
Acetone
Concen: 17.376 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

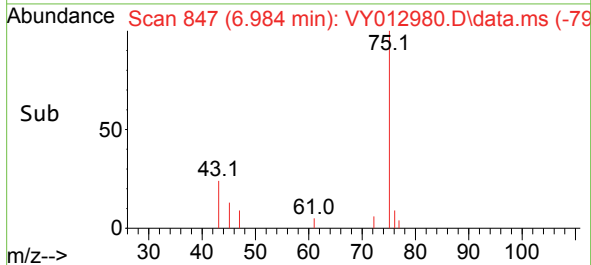
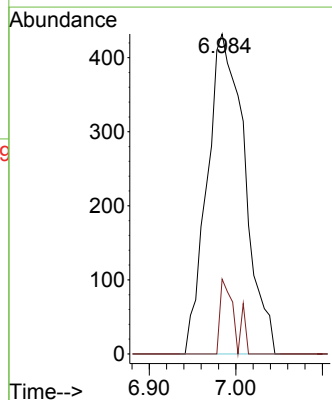
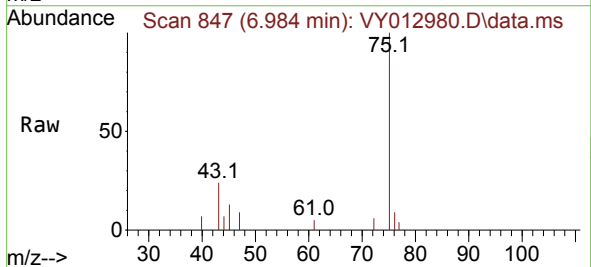
Instrument :
MSVOA_Y
ClientSampleId :
031423-1

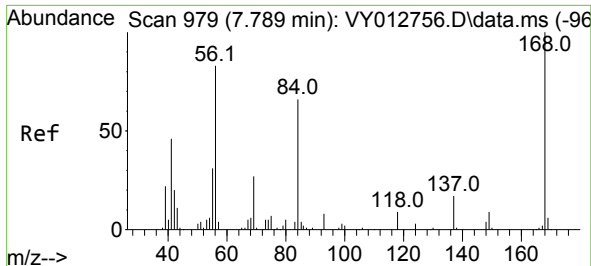
Tgt Ion: 43 Resp: 5281
Ion Ratio Lower Upper
43 100
58 27.0 24.2 36.2



#25
2-Butanone
Concen: 3.448 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
72 23.4 21.0 31.4

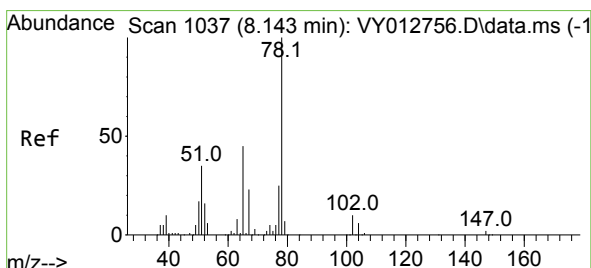
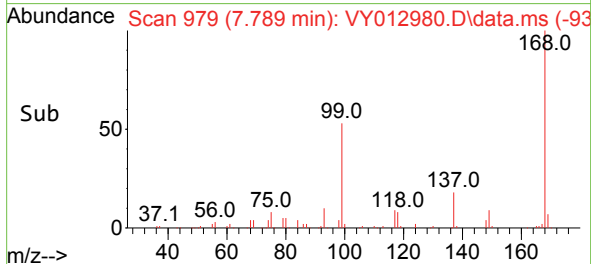
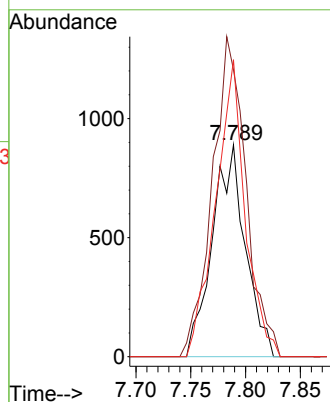
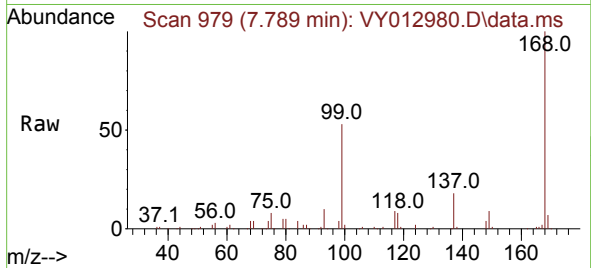




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

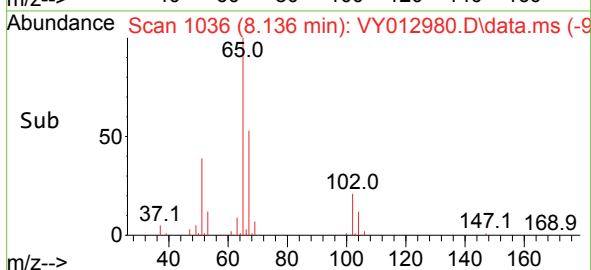
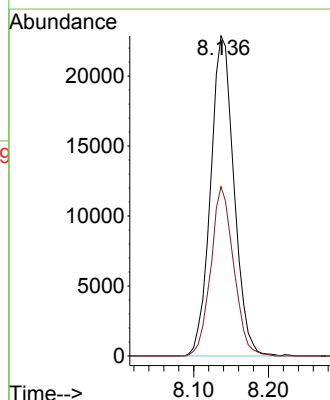
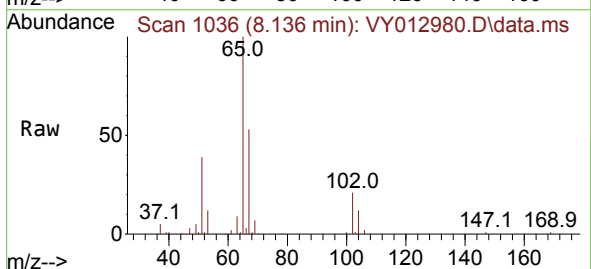
Instrument :
MSVOA_Y
ClientSampleId :
031423-1

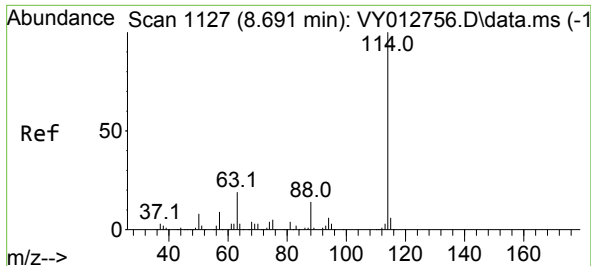
Tgt Ion: 56 Resp: 1860
Ion Ratio Lower Upper
56 100
69 135.4 25.7 38.5#
84 140.1 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 64.394 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

Tgt Ion: 65 Resp: 49861
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012980.D

Acq: 16 Mar 2023 19:03

Instrument :

MSVOA_Y

ClientSampleId :

031423-1

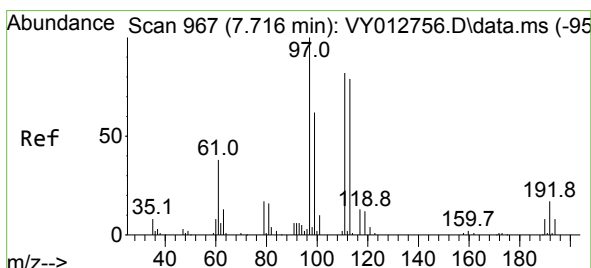
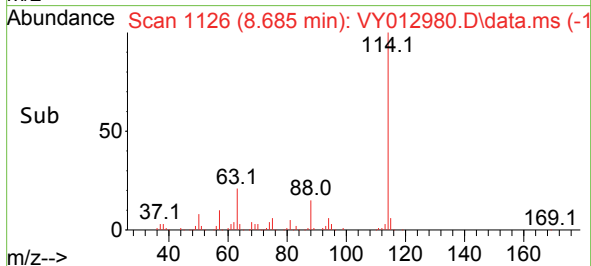
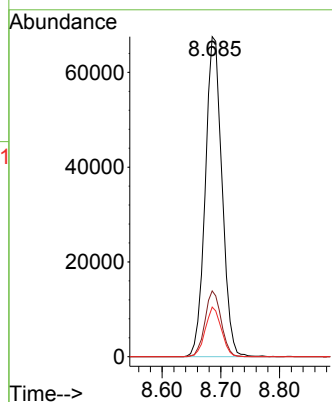
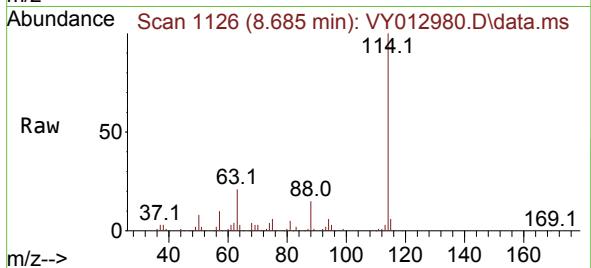
Tgt Ion:114 Resp: 133522

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 55.270 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012980.D

Acq: 16 Mar 2023 19:03

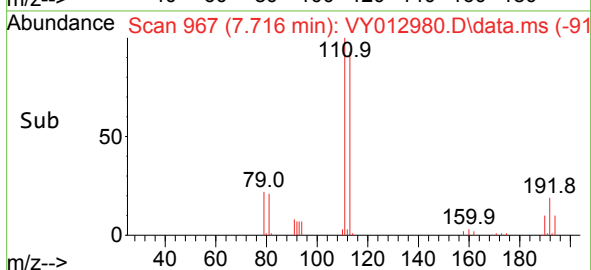
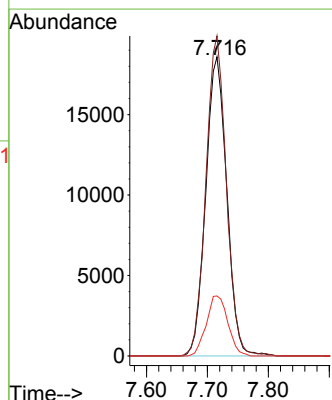
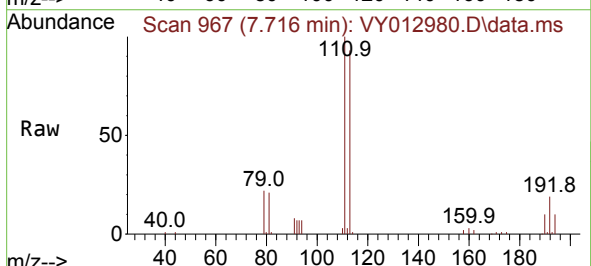
Tgt Ion:113 Resp: 44537

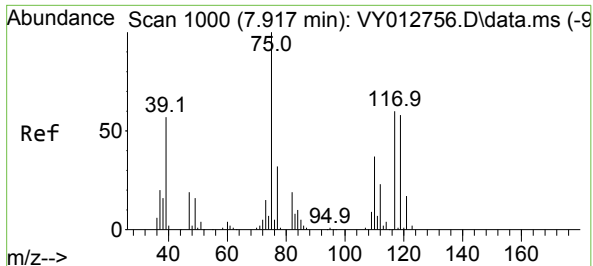
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.2

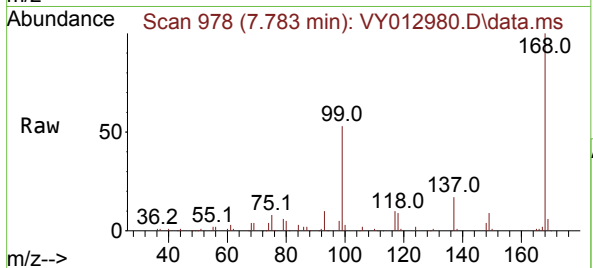
192 20.6 16.8 25.2



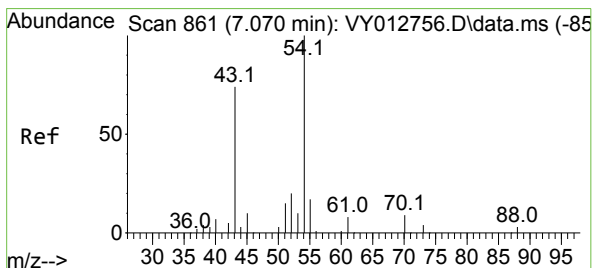
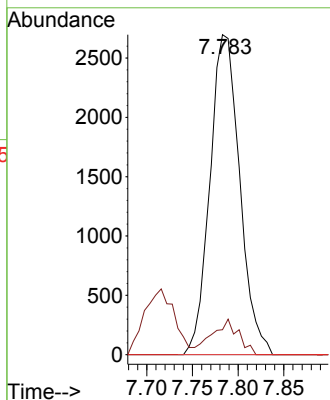
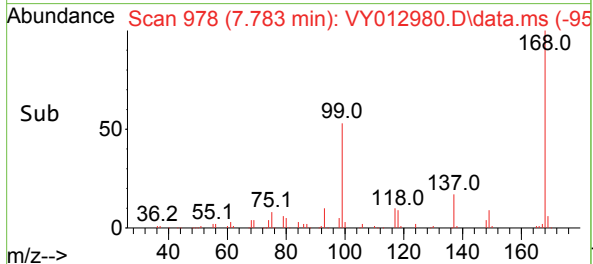


#36
1,1-Dichloropropene
Concen: 4.537 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

Instrument :
MSVOA_Y
ClientSampleId :
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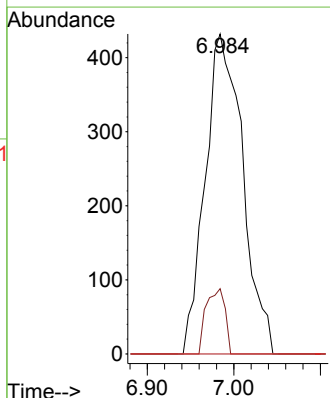
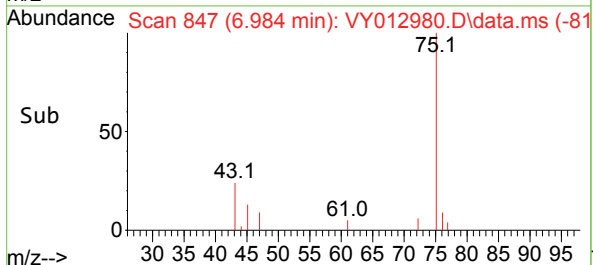
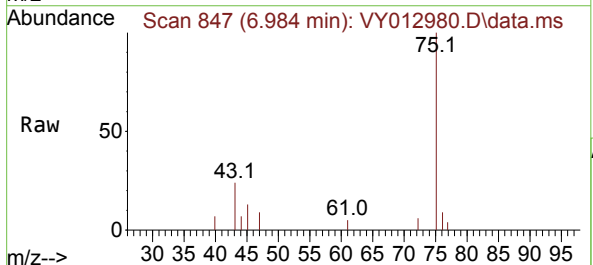


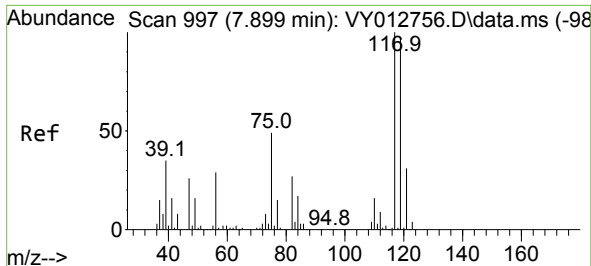
Tgt Ion: 75 Resp: 6126
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.525 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

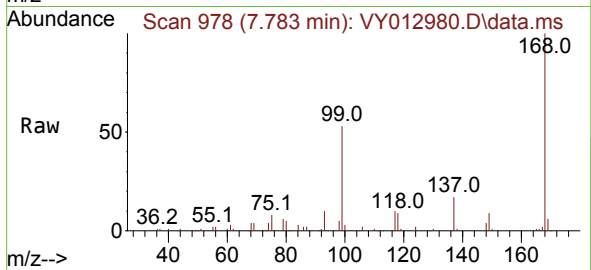
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
61 10.2 10.7 16.1#
70 0.0 7.8 11.8#



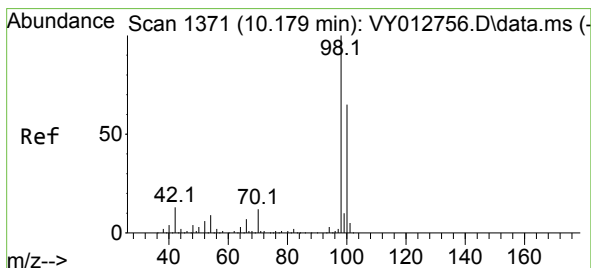
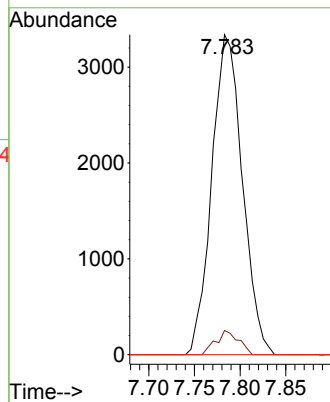
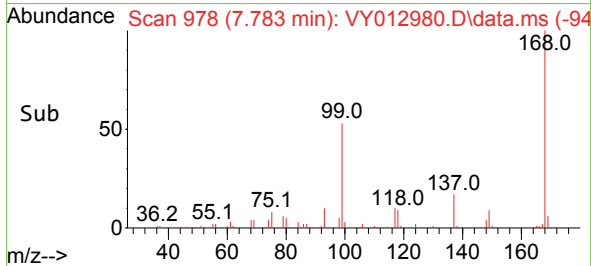


#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

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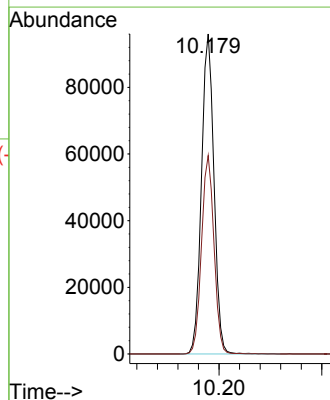
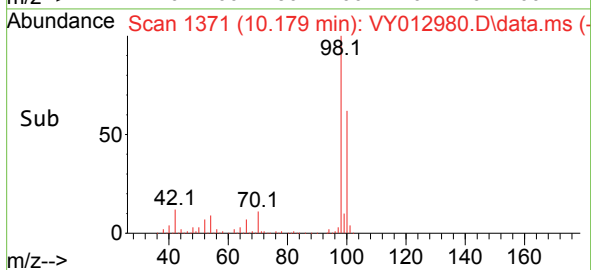
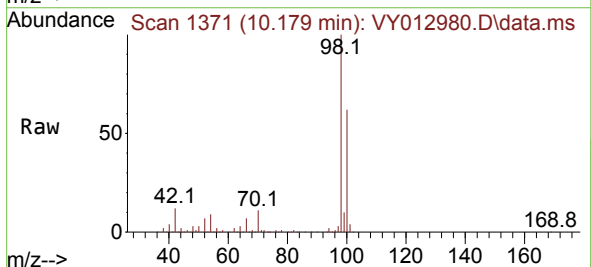


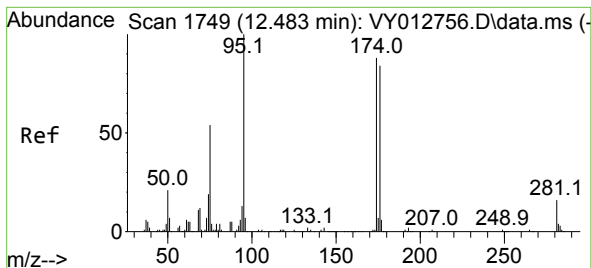
Tgt Ion:117 Resp: 7774
Ion Ratio Lower Upper
117 100
119 7.5 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.769 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

Tgt Ion: 98 Resp: 161341
Ion Ratio Lower Upper
98 100
100 62.1 50.9 76.3

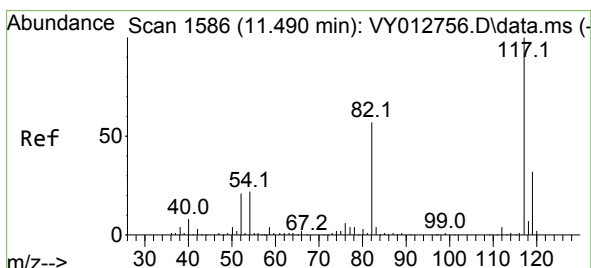
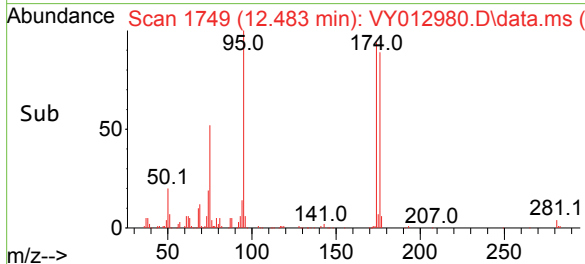
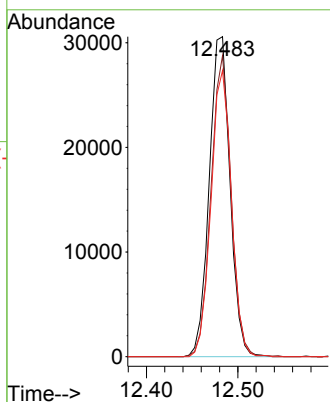
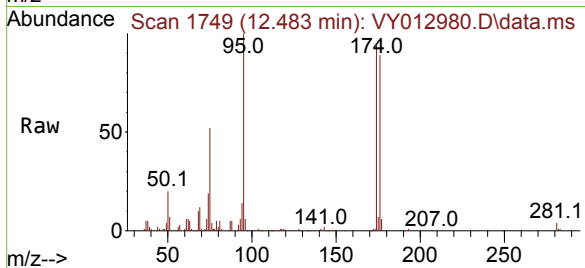




#62
4-Bromofluorobenzene
Concen: 48.611 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

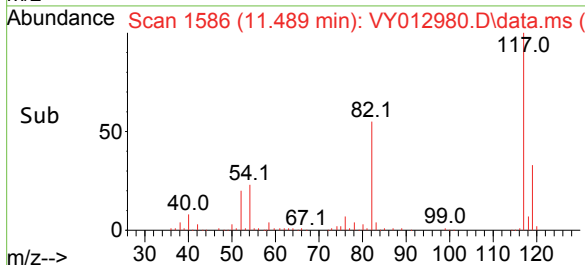
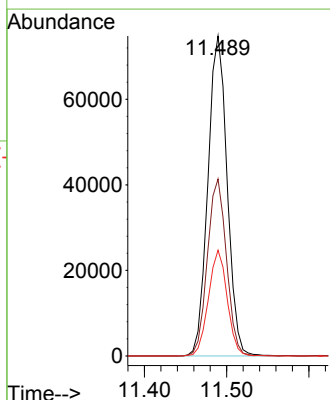
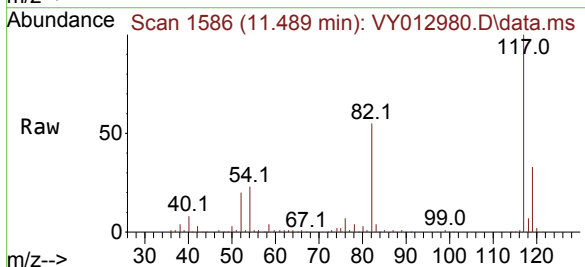
Instrument :
MSVOA_Y
ClientSampleId :
031423-1

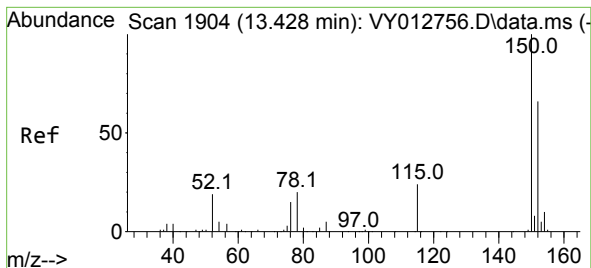
Tgt Ion: 95 Resp: 48334
Ion Ratio Lower Upper
95 100
174 91.2 0.0 176.6
176 87.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012980.D
Acq: 16 Mar 2023 19:03

Tgt Ion: 117 Resp: 121602
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.0
119 33.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012980.D

Acq: 16 Mar 2023 19:03

Instrument :

MSVOA_Y

ClientSampleId :

031423-1

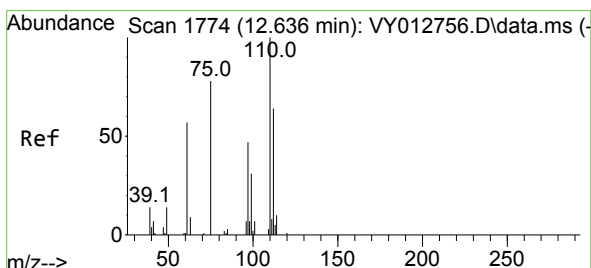
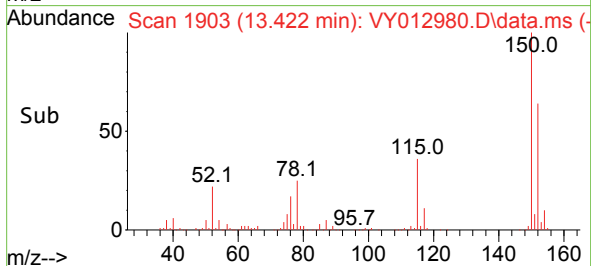
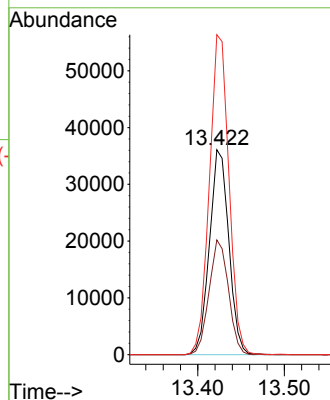
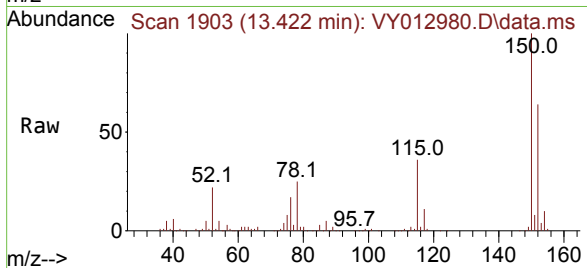
Tgt Ion:152 Resp: 56122

Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 157.3 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 38.409 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012980.D

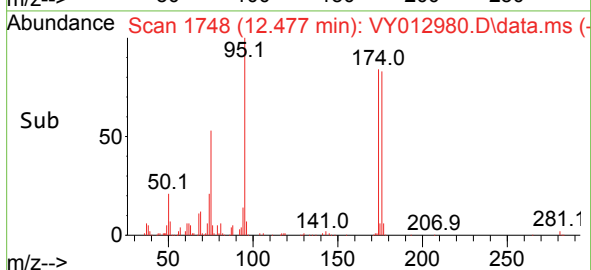
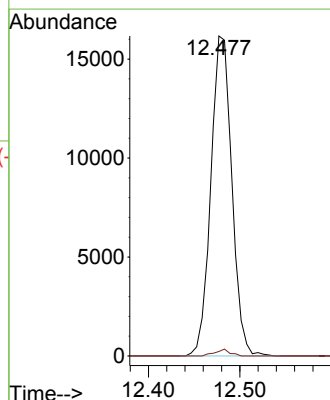
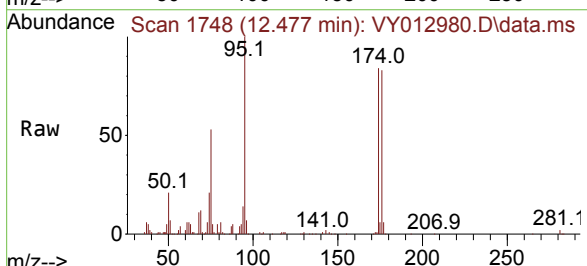
Acq: 16 Mar 2023 19:03

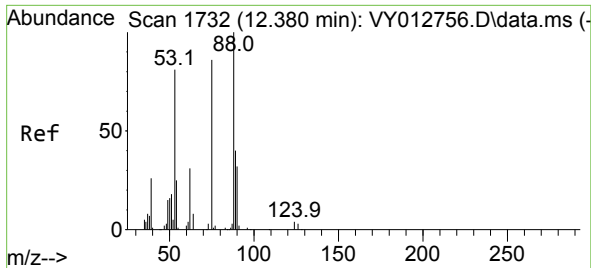
Tgt Ion: 75 Resp: 25741

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.584 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY012980.D
 Acq: 16 Mar 2023 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 031423-1

Tgt Ion: 75 Resp: 25741
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.4 110.0#
 89 0.0 36.6 55.0#

