

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013023.D
 Acq On : 21 Mar 2023 13:38
 Operator : KP/MD
 Sample : 02016-01
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 032023-1

Quant Time: Mar 22 04:19:25 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)

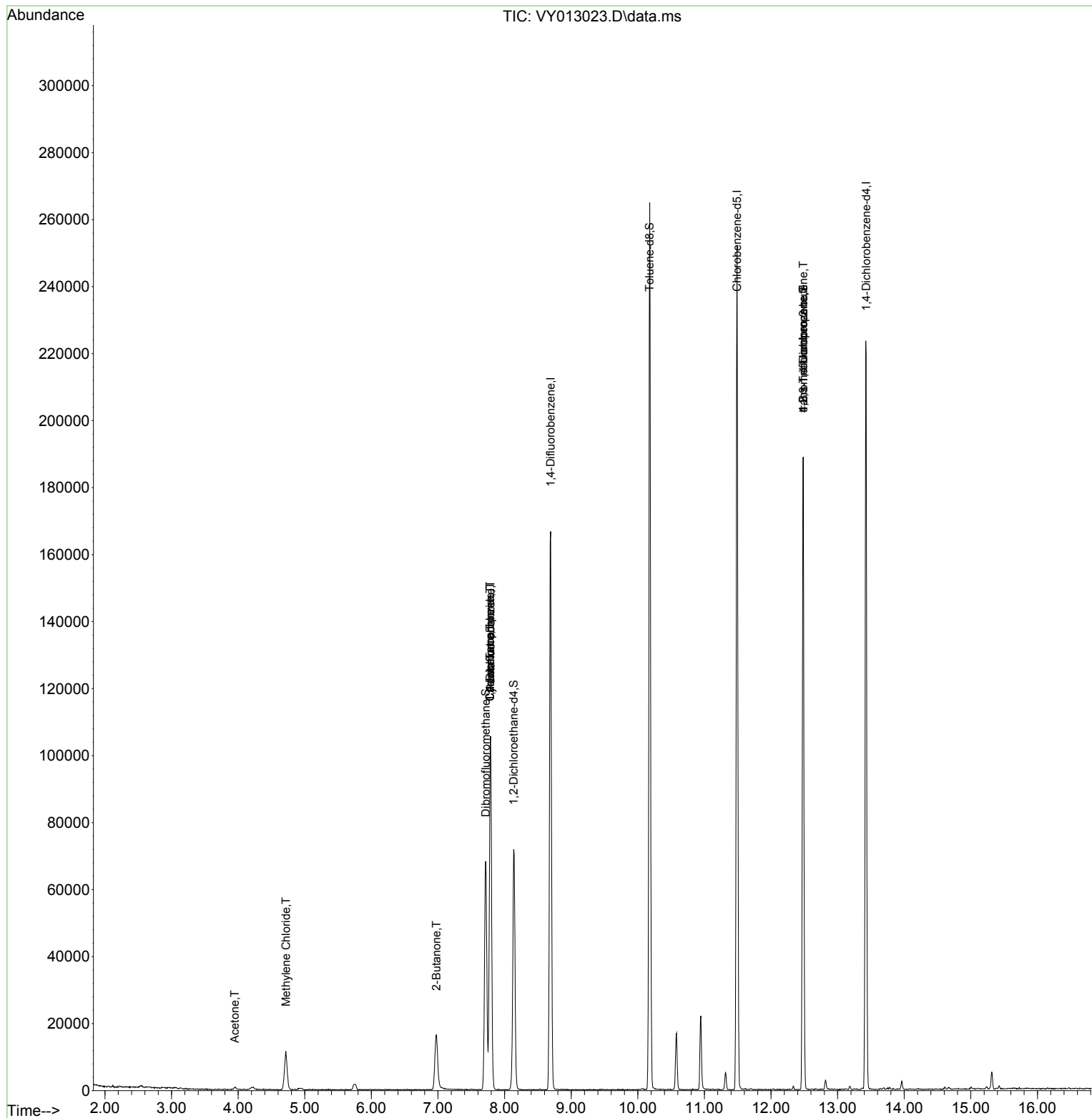
Internal Standards						
1) Pentafluorobenzene	7.789	168	83741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	140645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	131810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53800	64.707	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.420%	
35) Dibromofluoromethane	7.716	113	48656	57.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.640%	
50) Toluene-d8	10.179	98	165807	53.434	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.483	95	52116	49.760	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	95	Below Cal	#	74
16) Acetone	3.948	43	1290	3.953	ug/l #	68
20) Methylene Chloride	4.716	84	7338	2.236	ug/l #	87
25) 2-Butanone	6.978	43	1231	3.045	ug/l #	49
31) Cyclohexane	7.783	56	1906	1.197	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	6542	4.599	ug/l #	49
38) Carbon Tetrachloride	7.783	117	7952	5.414	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	27686	39.674	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27686	82.206	ug/l #	13

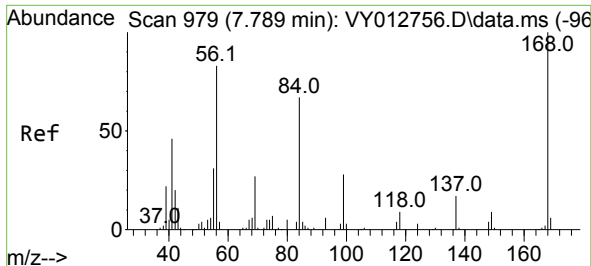
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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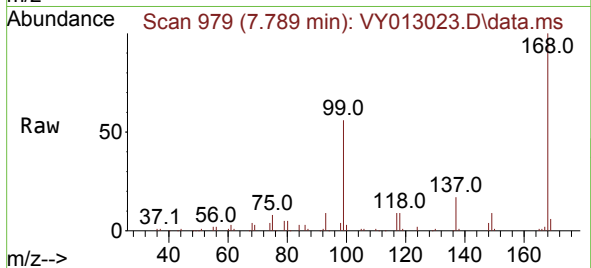
Quant Time: Mar 22 04:19:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
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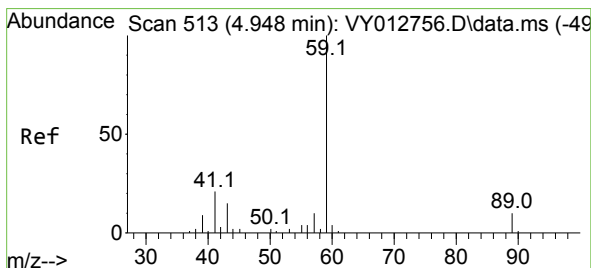
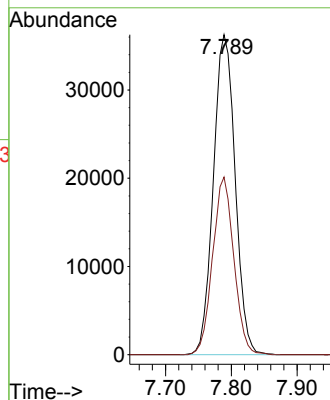
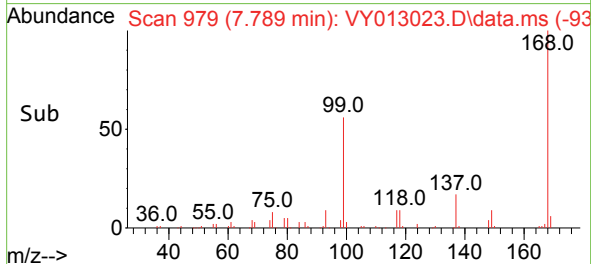


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :
032023-1

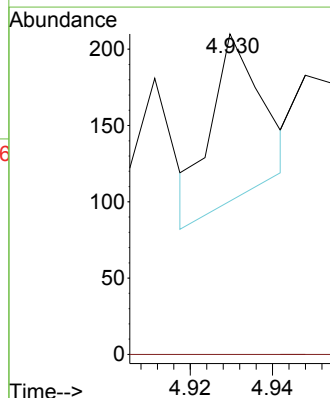
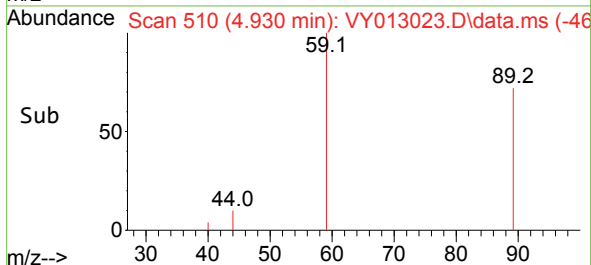
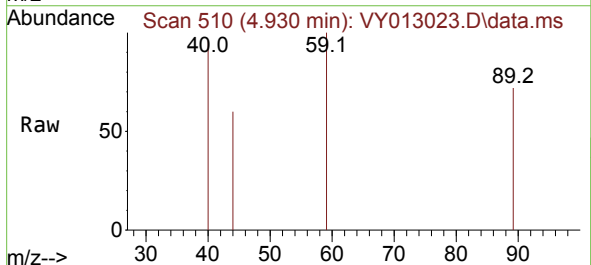


Tgt Ion:168 Resp: 83741
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 3.953 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY013023.D

Acq: 21 Mar 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

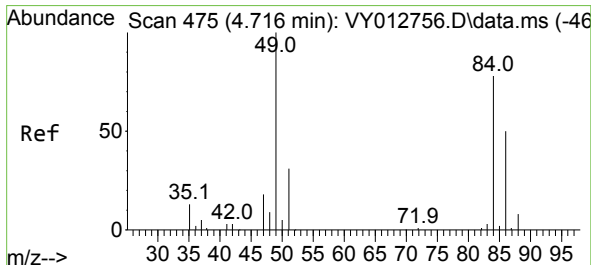
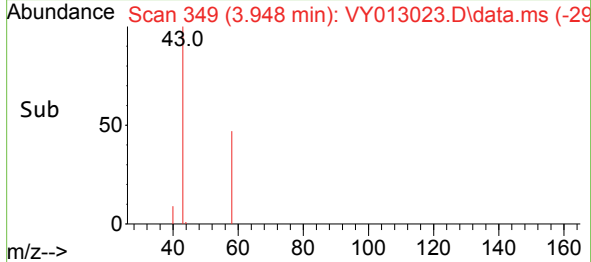
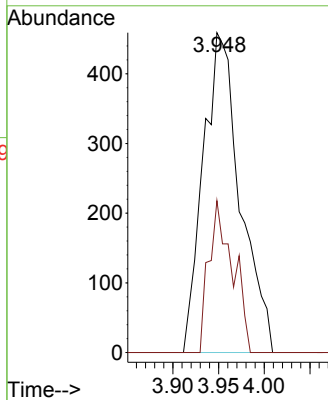
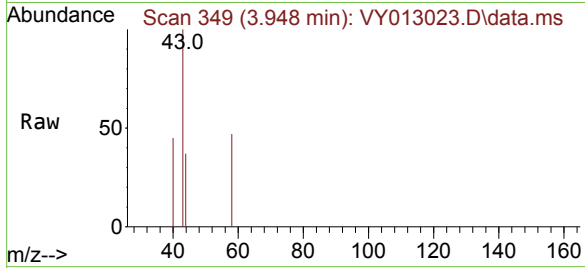
032023-1

Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 47.5 24.2 36.2#



#20

Methylene Chloride

Concen: 2.236 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013023.D

Acq: 21 Mar 2023 13:38

Tgt Ion: 84 Resp: 7338

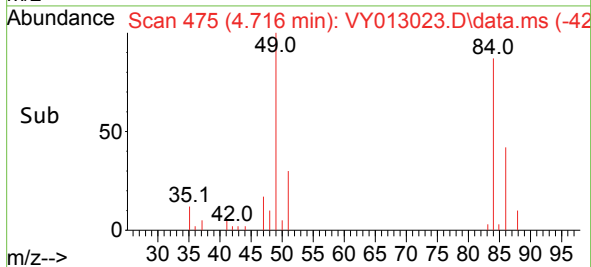
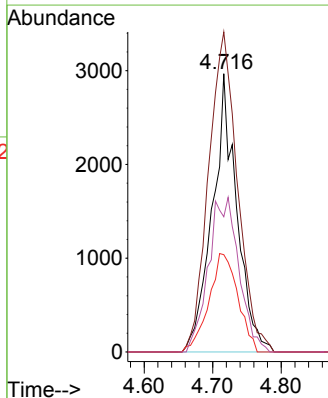
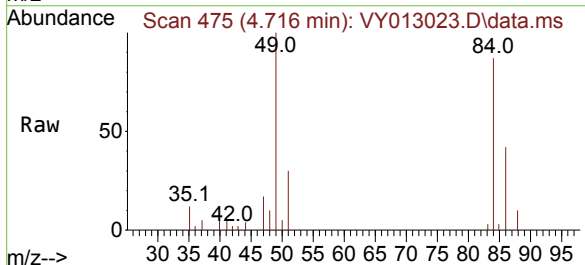
Ion Ratio Lower Upper

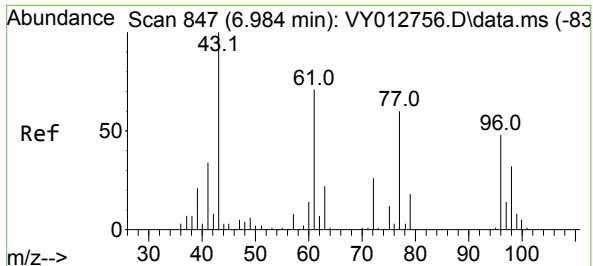
84 100

49 115.0 102.6 154.0

51 35.0 31.9 47.9

86 48.6 51.0 76.6#





#25

2-Butanone

Concen: 3.045 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY013023.D

Acq: 21 Mar 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

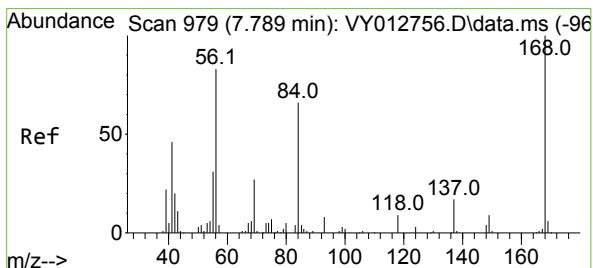
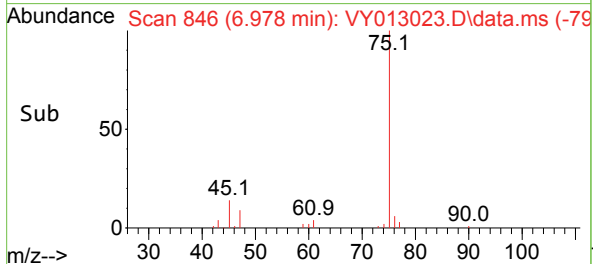
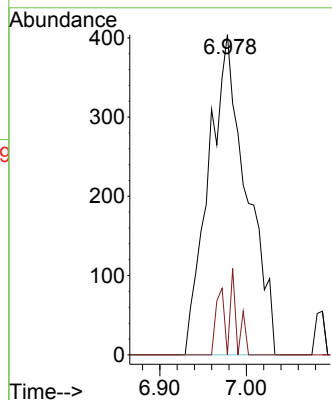
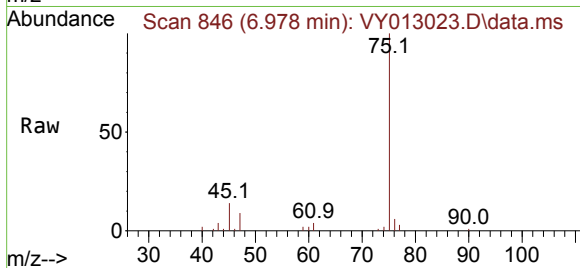
032023-1

Tgt Ion: 43 Resp: 1231

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013023.D

Acq: 21 Mar 2023 13:38

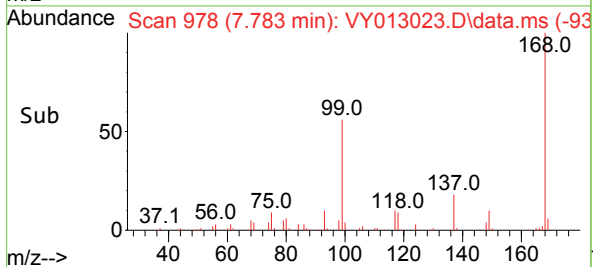
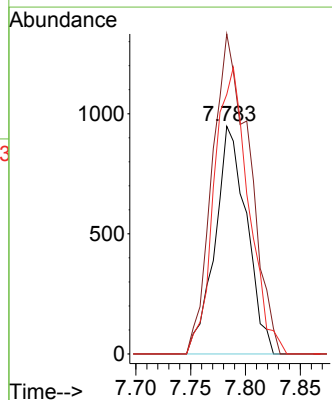
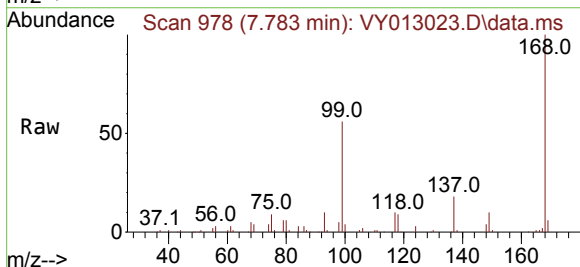
Tgt Ion: 56 Resp: 1906

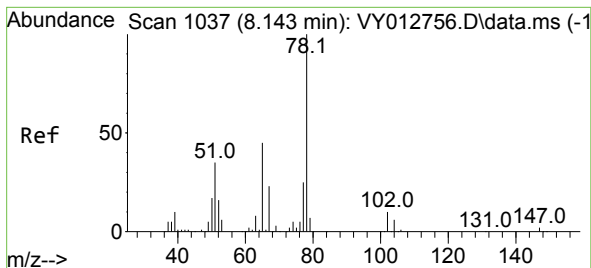
Ion Ratio Lower Upper

56 100

69 140.5 25.7 38.5#

84 113.9 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 64.707 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY013023.D

Acq: 21 Mar 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

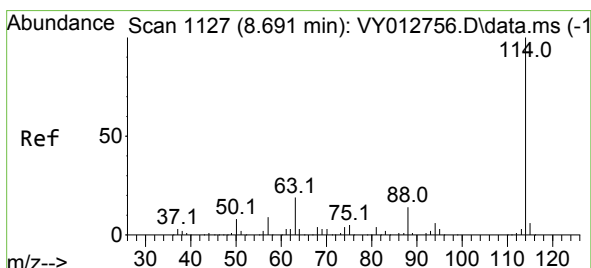
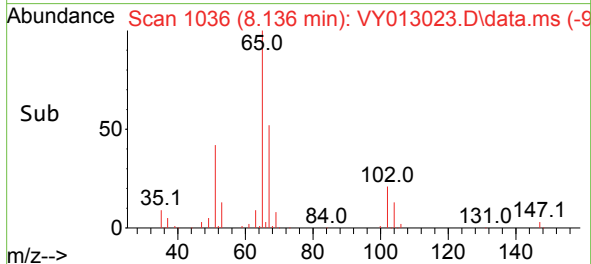
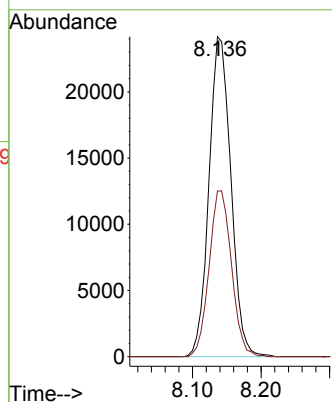
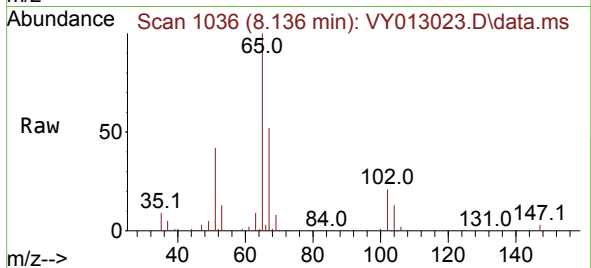
032023-1

Tgt Ion: 65 Resp: 53800

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013023.D

Acq: 21 Mar 2023 13:38

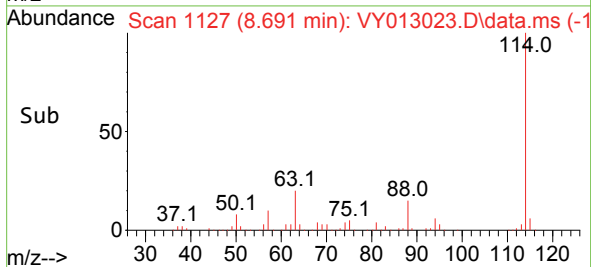
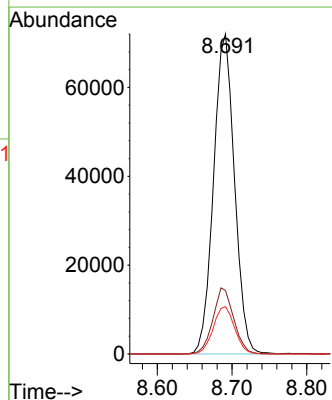
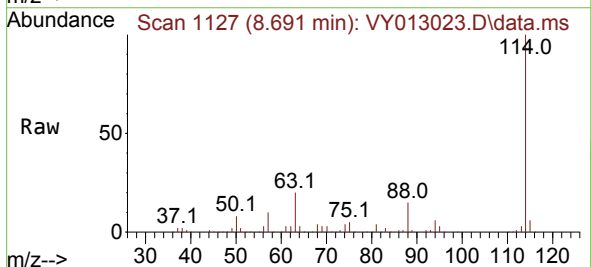
Tgt Ion: 114 Resp: 140645

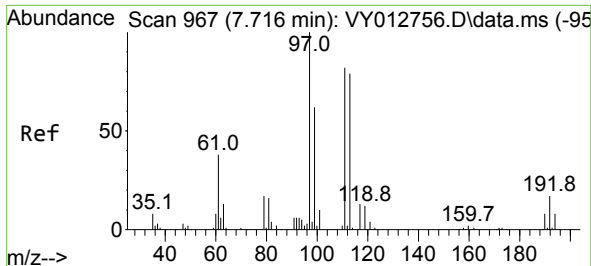
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 14.8 0.0 28.6

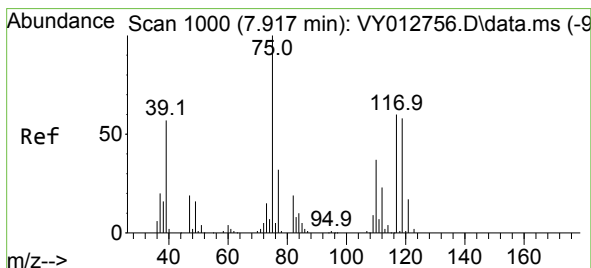
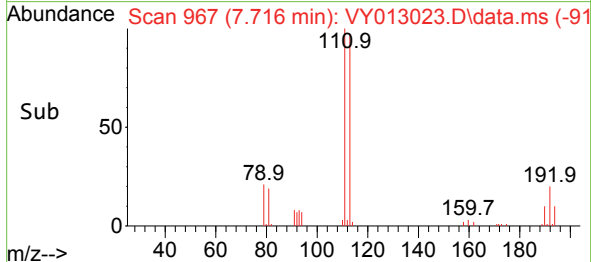
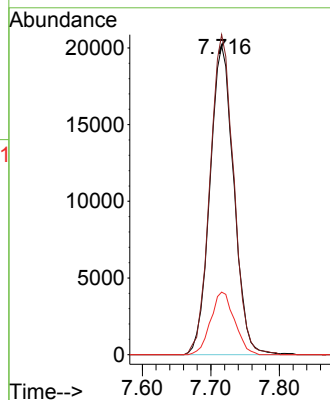
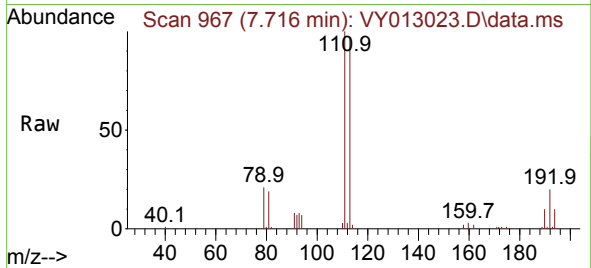




#35
Dibromofluoromethane
Concen: 57.324 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

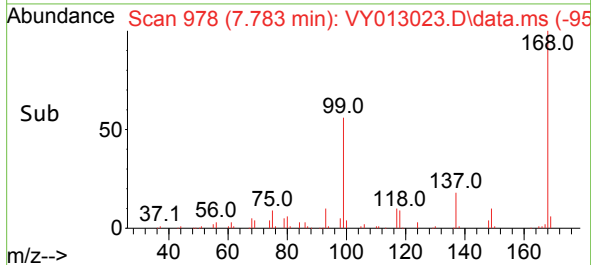
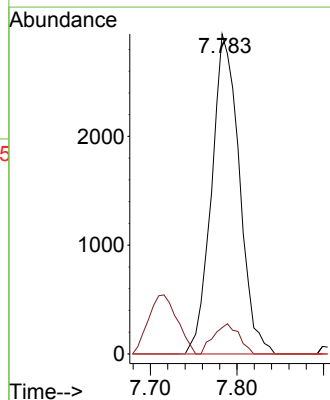
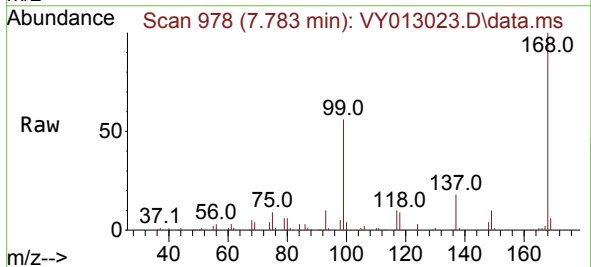
Instrument :
MSVOA_Y
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032023-1

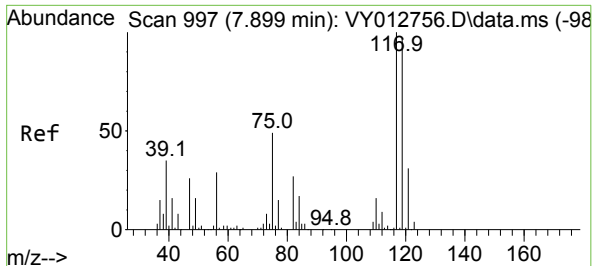
Tgt Ion:113 Resp: 48656
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 20.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

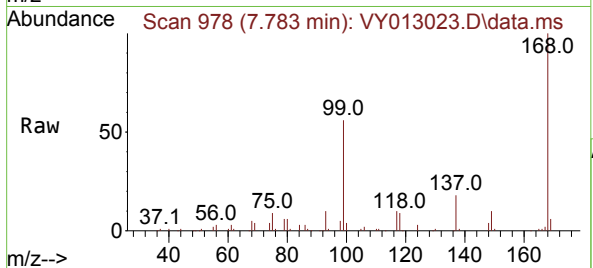
Tgt Ion: 75 Resp: 6542
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 25.0 37.4#



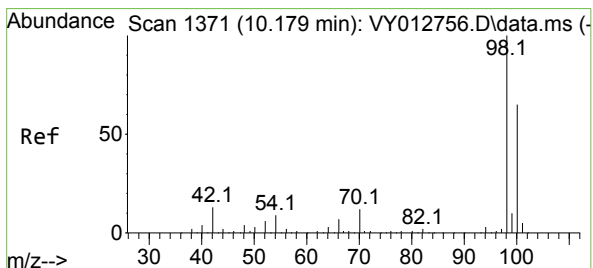
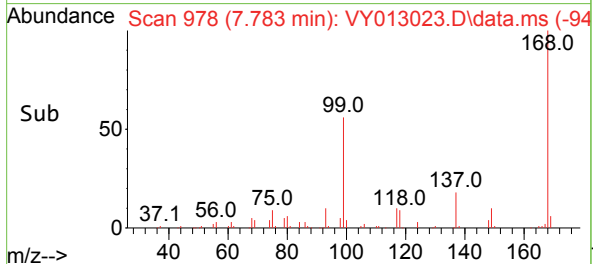
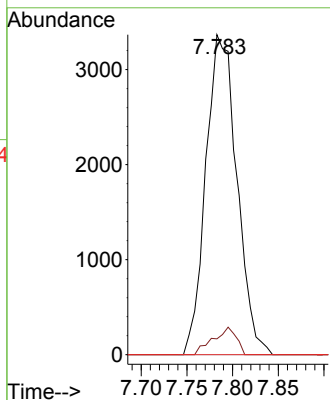


#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :
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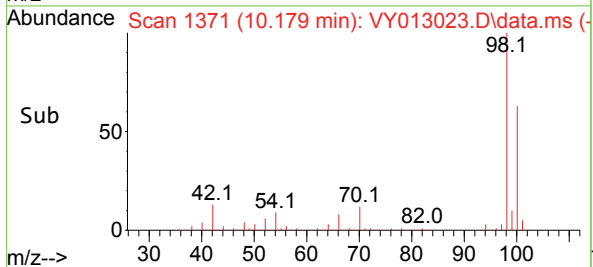
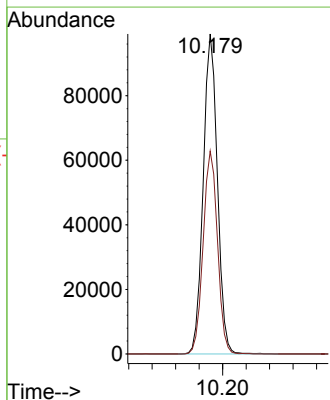
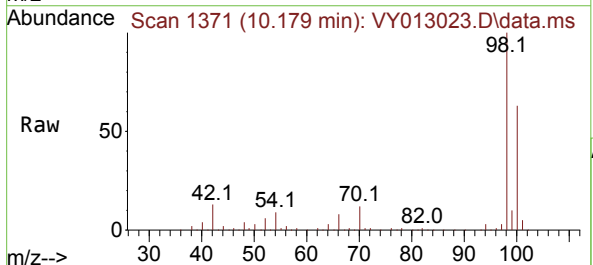


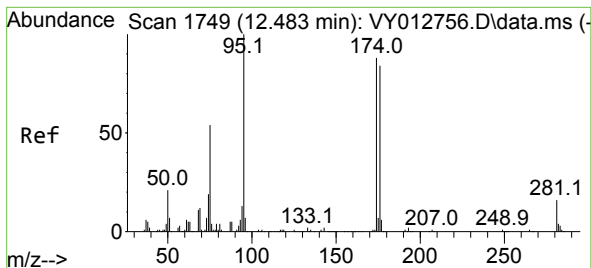
Tgt Ion:117 Resp: 7952
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.434 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

Tgt Ion: 98 Resp: 165807
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

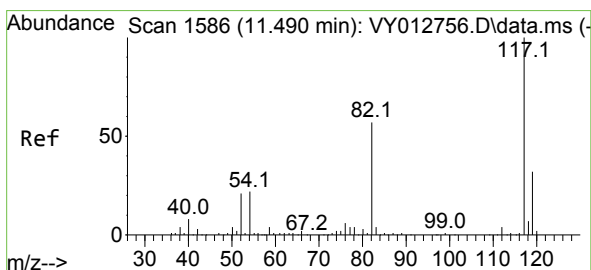
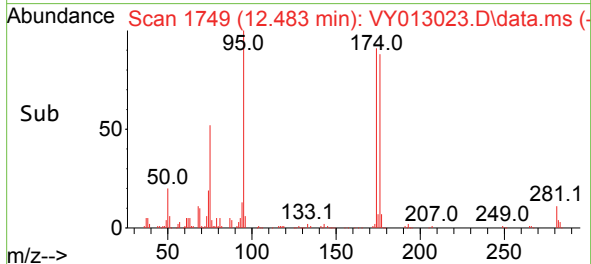
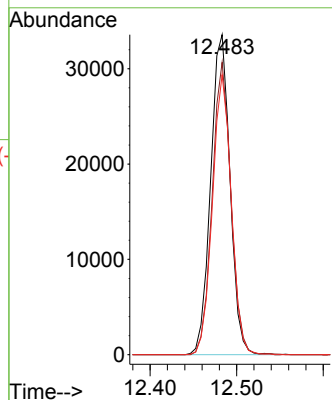
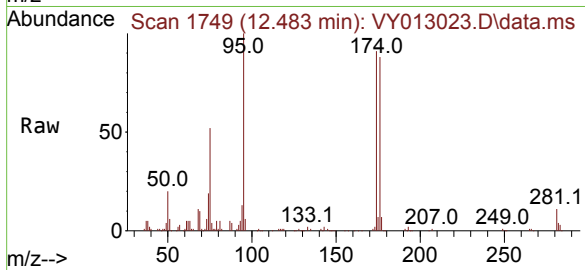




#62
4-Bromofluorobenzene
Concen: 49.760 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

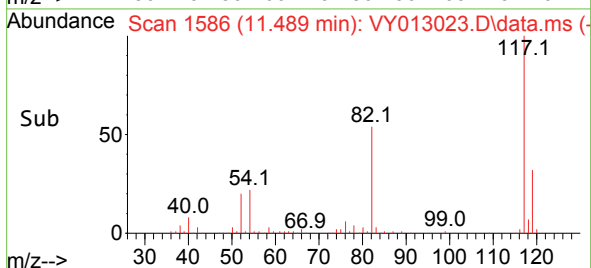
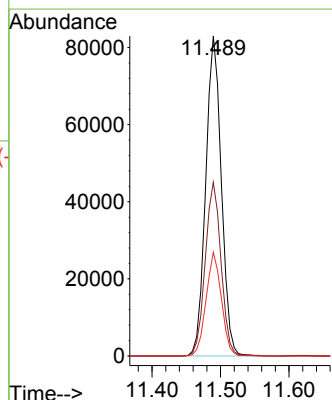
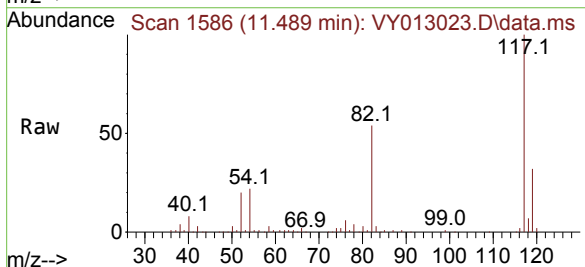
Instrument :
MSVOA_Y
ClientSampleId :
032023-1

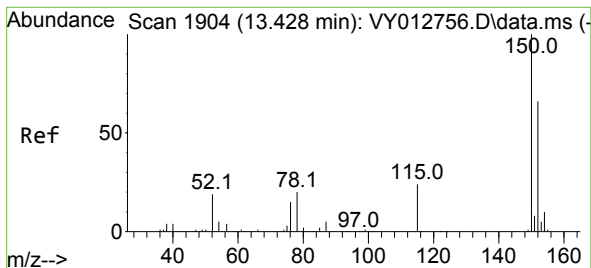
Tgt Ion: 95 Resp: 52116
Ion Ratio Lower Upper
95 100
174 88.4 0.0 176.6
176 85.2 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013023.D
Acq: 21 Mar 2023 13:38

Tgt Ion: 117 Resp: 131810
Ion Ratio Lower Upper
117 100
82 54.3 45.4 68.0
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY013023.D

Acq: 21 Mar 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

032023-1

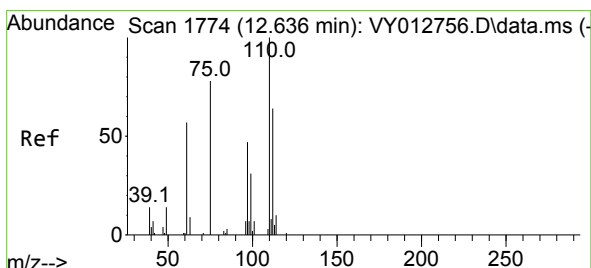
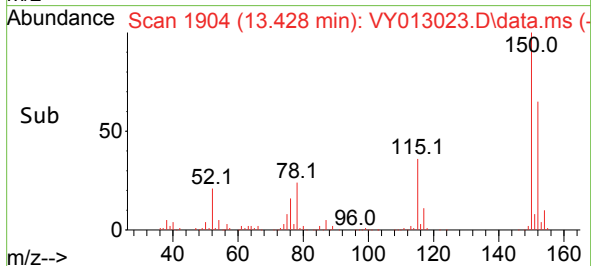
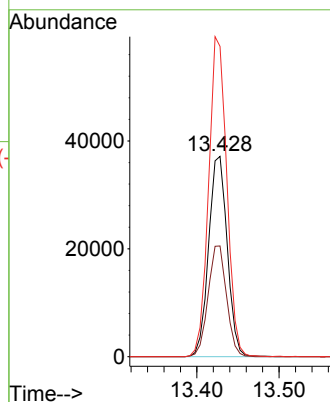
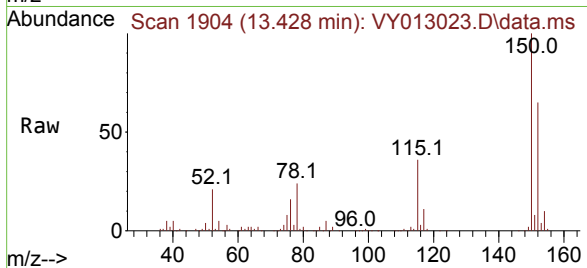
Tgt Ion:152 Resp: 58437

Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.3

150 155.6 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.674 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013023.D

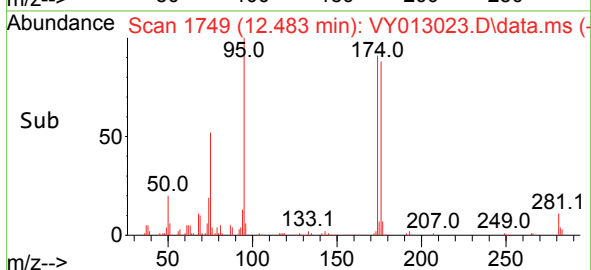
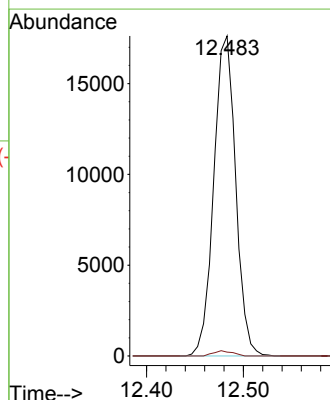
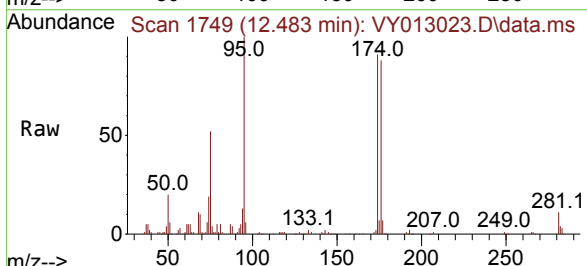
Acq: 21 Mar 2023 13:38

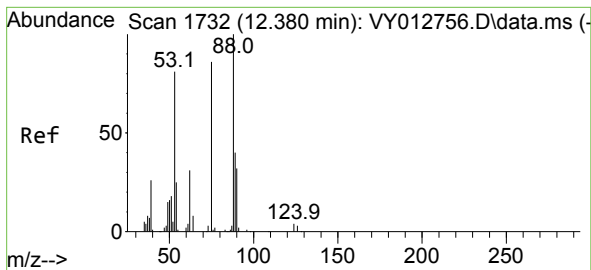
Tgt Ion: 75 Resp: 27686

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.206 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013023.D
 Acq: 21 Mar 2023 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 032023-1

Tgt Ion: 75 Resp: 27686
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.2 36.6 55.0#

