

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013735.D
 Acq On : 15 May 2023 14:29
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 16 01:31:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

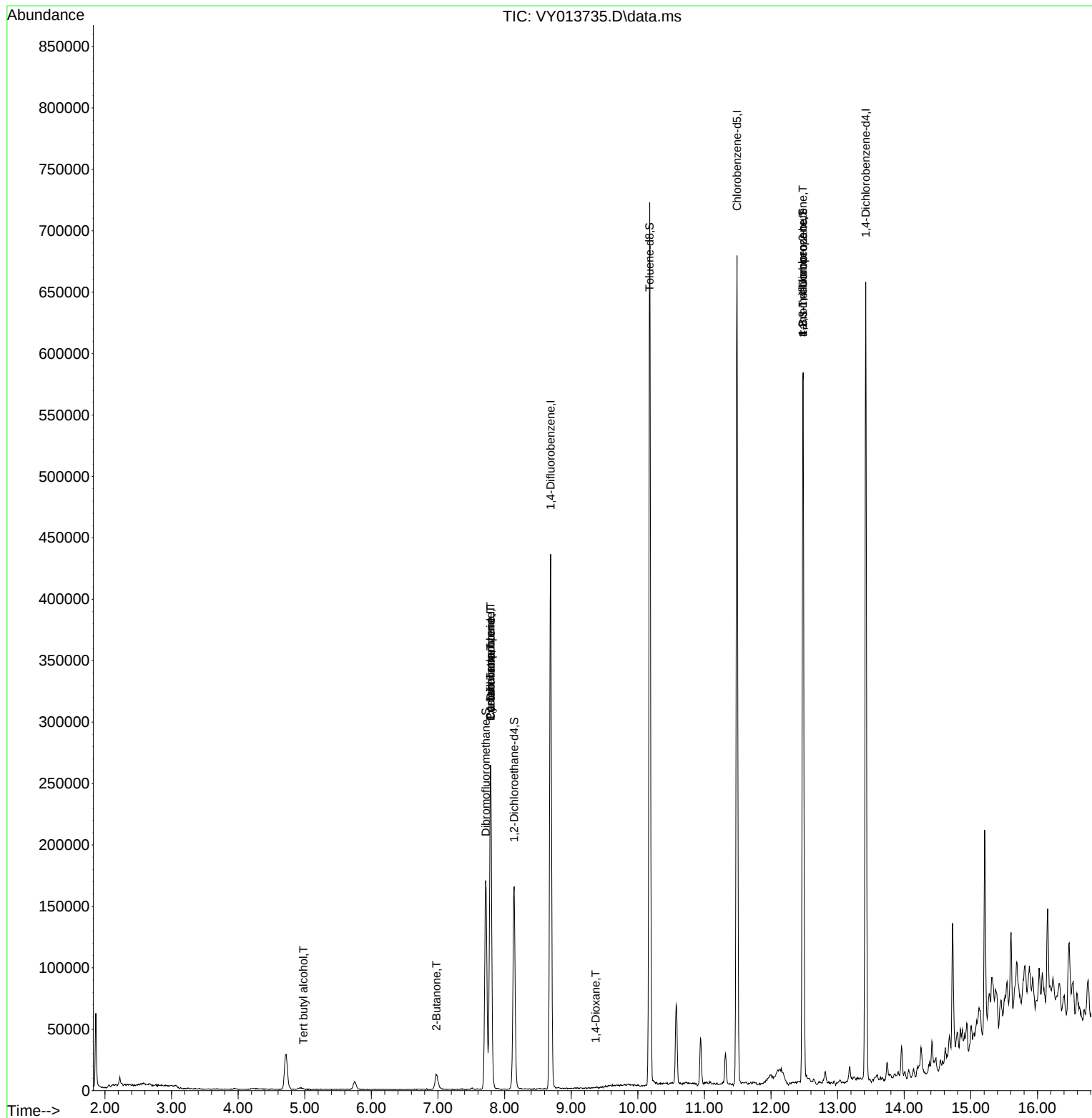
Internal Standards						
1) Pentafluorobenzene	7.789	168	201371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	346333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	128707	58.305	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 116.620%		
35) Dibromofluoromethane	7.716	113	119393	53.455	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.900%		
50) Toluene-d8	10.179	98	446747	56.226	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 112.460%		
62) 4-Bromofluorobenzene	12.477	95	152914	57.086	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 114.180%		
Target Compounds						
11) Tert butyl alcohol	4.978	59	171	1.336	ug/l #	89
13) Acrolein	3.936	56	20	Below Cal	#	16
20) Methylene Chloride	4.722	84	21043	Below Cal	#	85
25) 2-Butanone	6.978	43	1139	1.033	ug/l #	47
31) Cyclohexane	7.789	56	4810	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16299	4.397	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19977	5.142	ug/l #	17
49) 1,4-Dioxane	9.368	88	56	2.400	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	84739	39.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84739	81.586	ug/l #	13

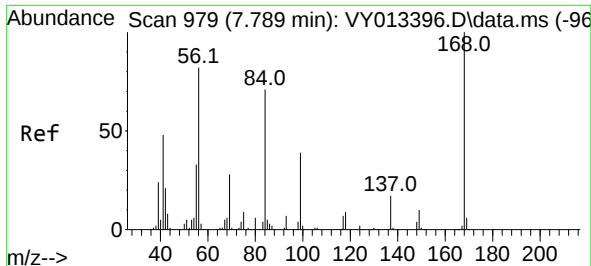
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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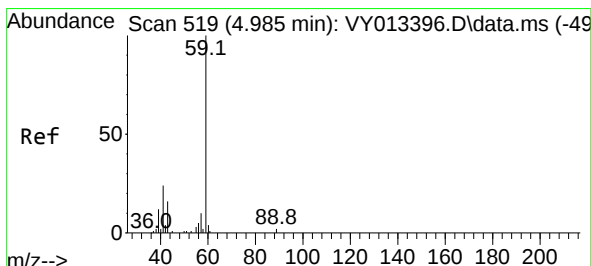
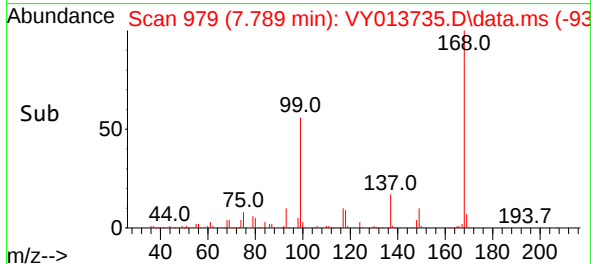
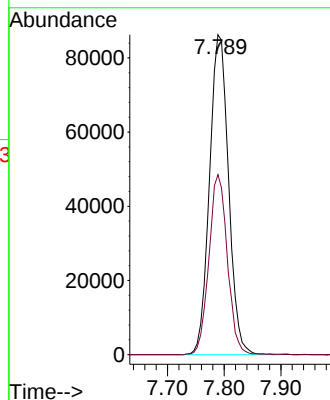
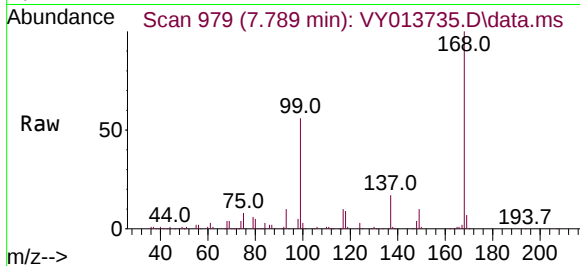




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

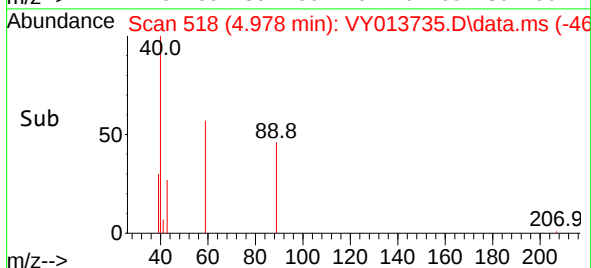
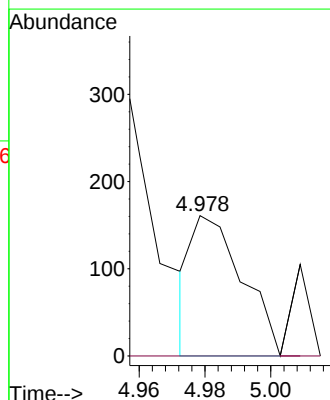
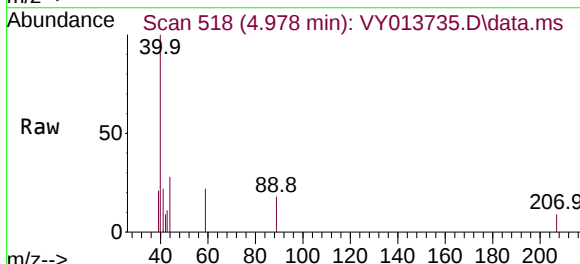
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

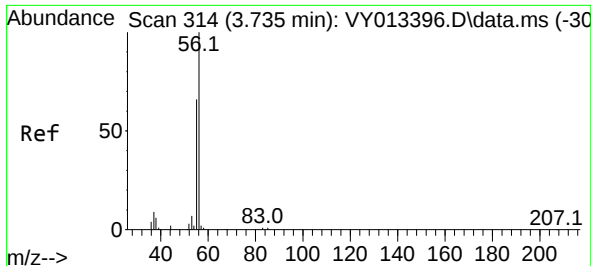
Tgt Ion:168 Resp: 201371
Ion Ratio Lower Upper
168 100
99 56.2 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.336 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

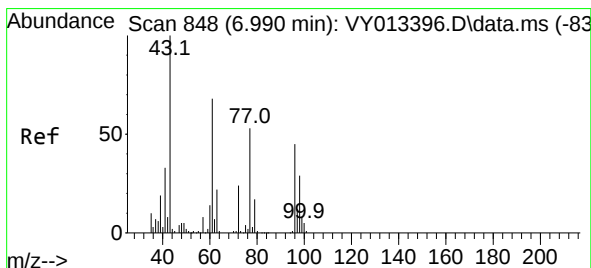
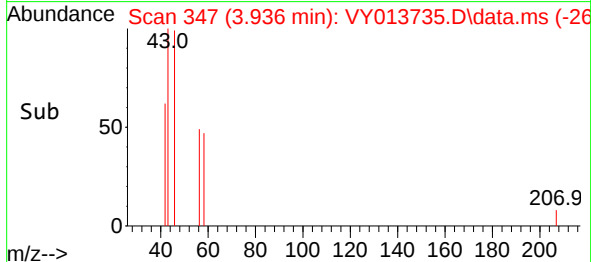
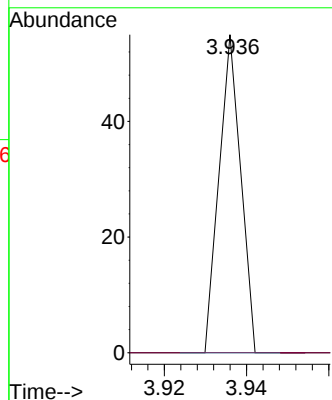
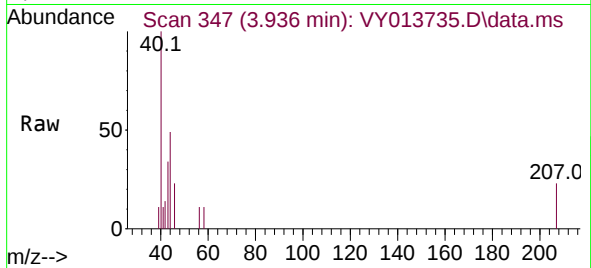




#13
Acrolein
Concen: Below Cal
RT: 3.936 min Scan# 34
Delta R.T. 0.207 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

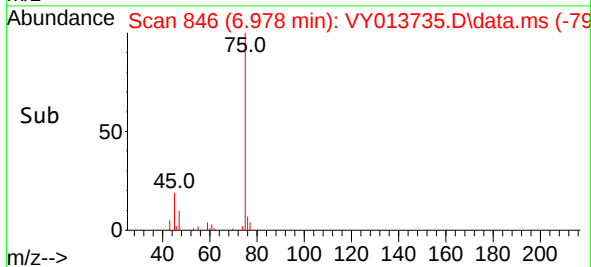
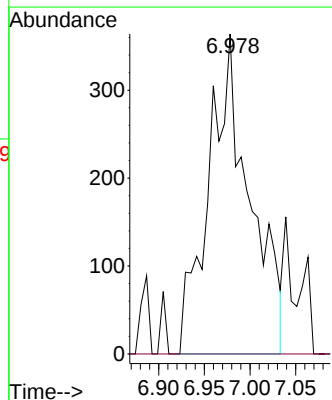
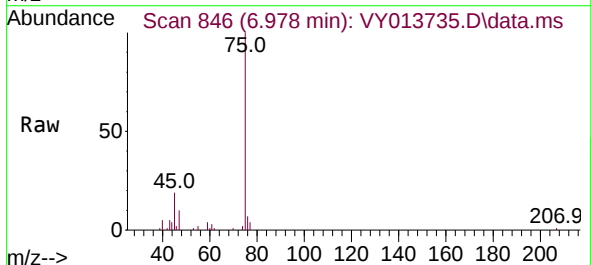
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

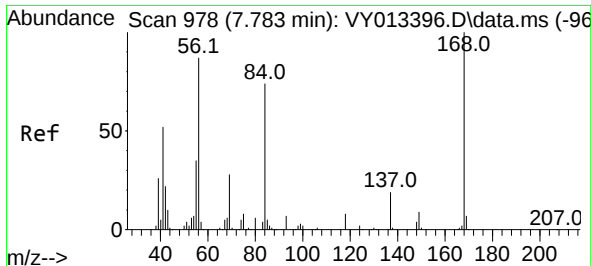
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#25
2-Butanone
Concen: 1.033 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#

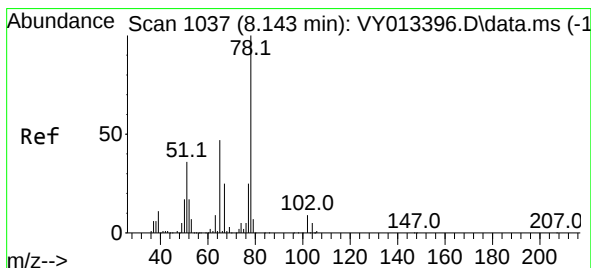
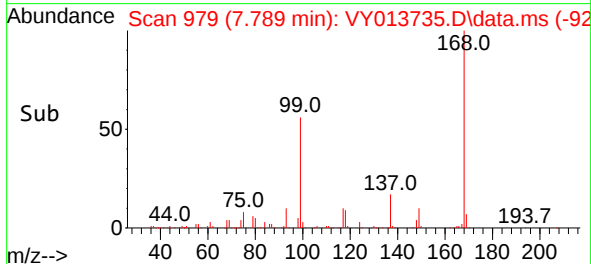
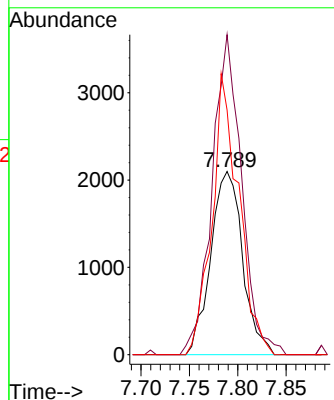
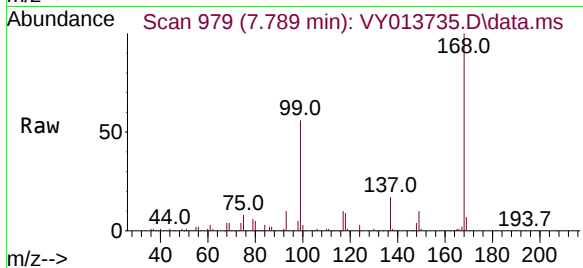




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

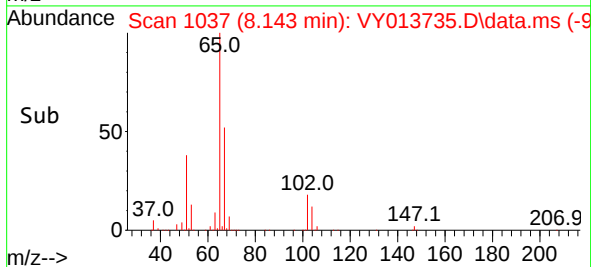
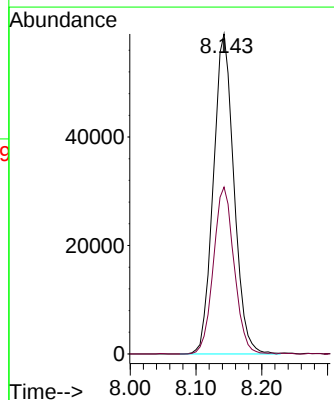
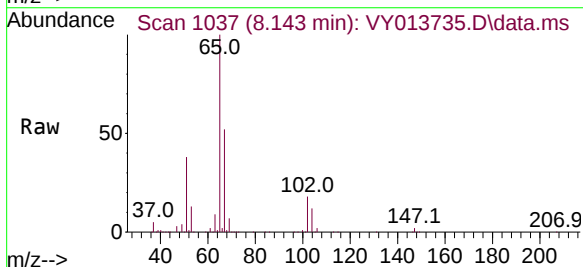
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

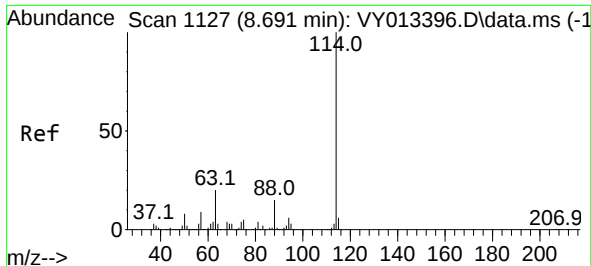
Tgt Ion: 56 Resp: 4810
Ion Ratio Lower Upper
56 100
69 174.7 29.2 43.8#
84 133.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 58.305 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

Tgt Ion: 65 Resp: 128707
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013735.D

Acq: 15 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

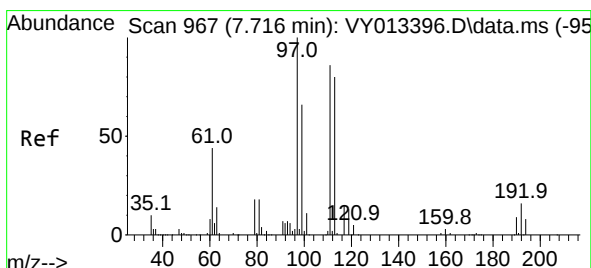
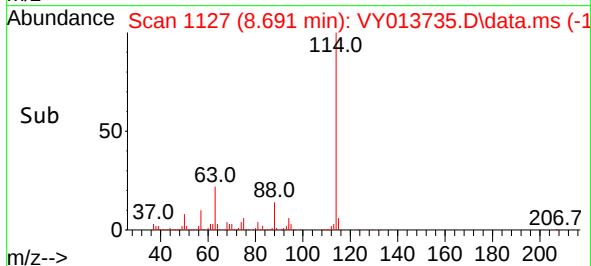
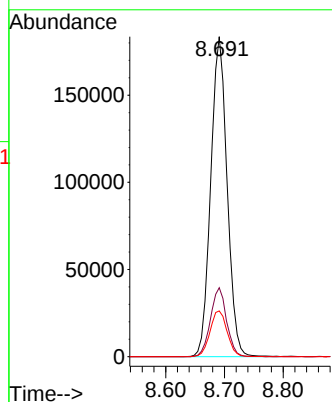
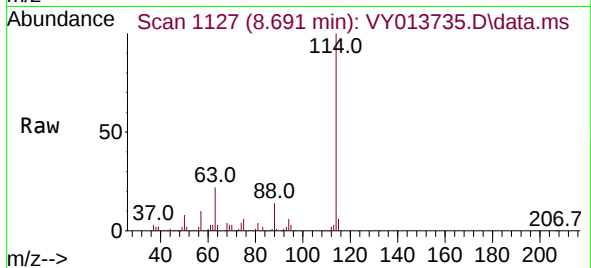
Tgt Ion:114 Resp: 355118

Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.6

88 14.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 53.455 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013735.D

Acq: 15 May 2023 14:29

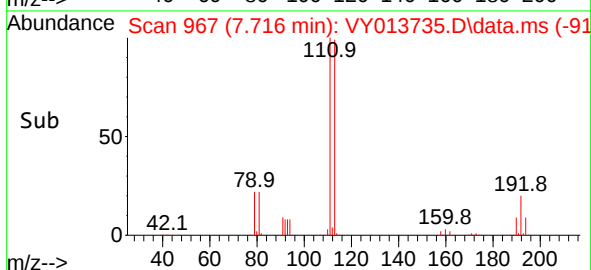
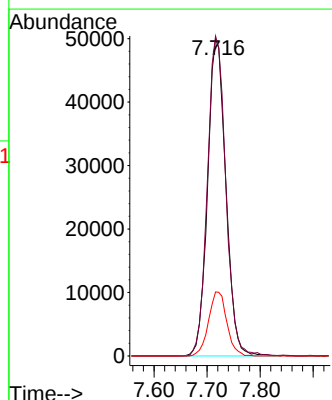
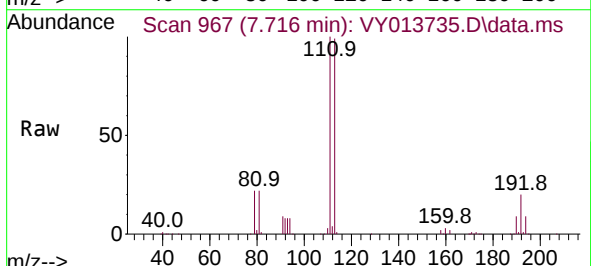
Tgt Ion:113 Resp: 119393

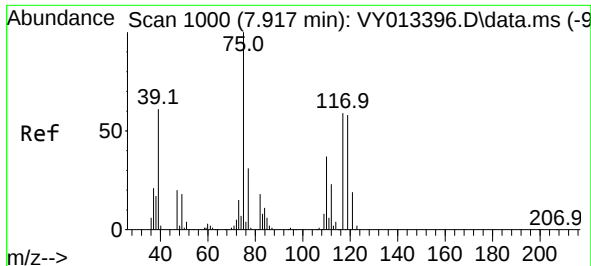
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

192 20.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.397 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013735.D

Acq: 15 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

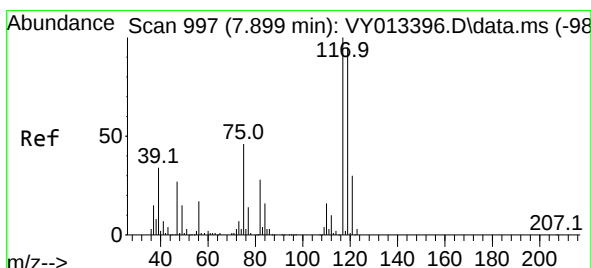
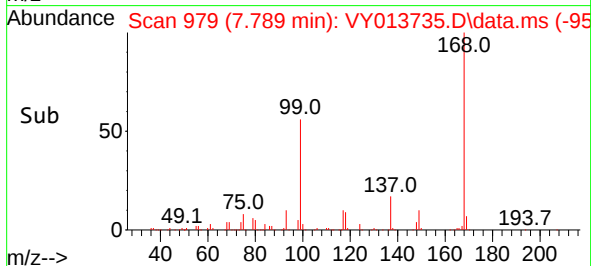
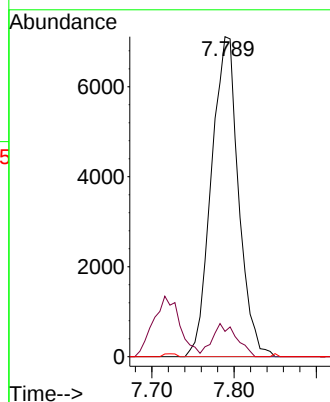
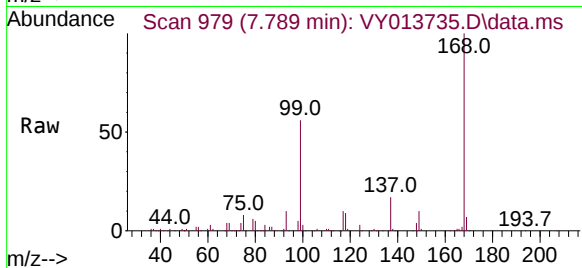
Tgt Ion: 75 Resp: 16299

Ion Ratio Lower Upper

75 100

110 9.2 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.142 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013735.D

Acq: 15 May 2023 14:29

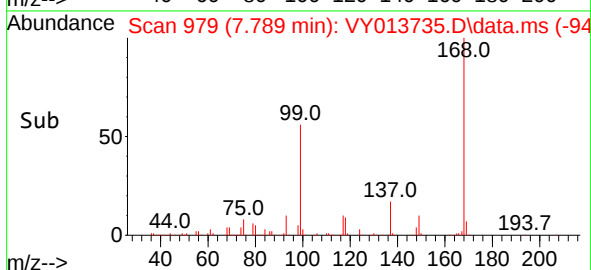
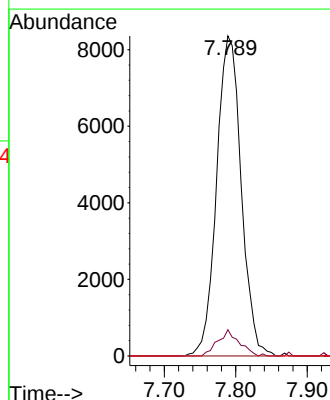
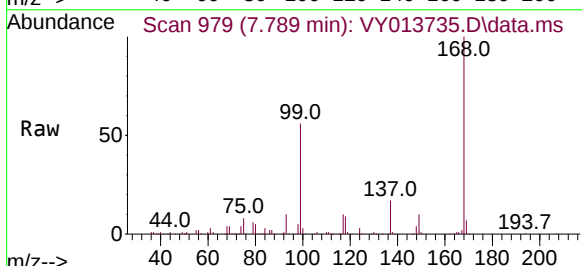
Tgt Ion: 117 Resp: 19977

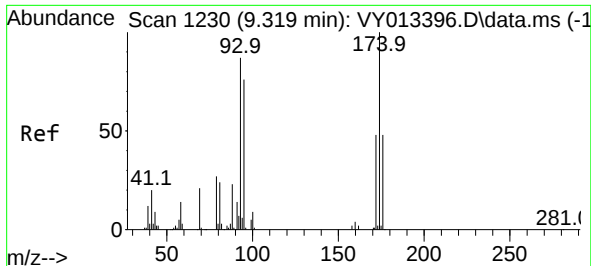
Ion Ratio Lower Upper

117 100

119 8.2 79.0 118.6#

121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 2.400 ug/l

RT: 9.368 min Scan# 11

Delta R.T. 0.061 min

Lab File: VY013735.D

Acq: 15 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

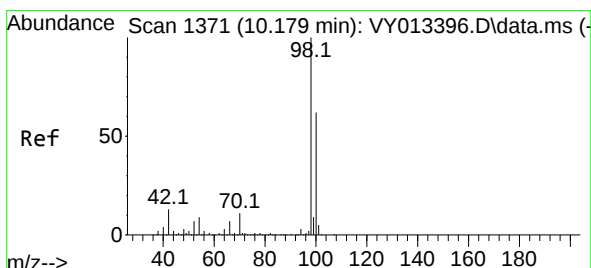
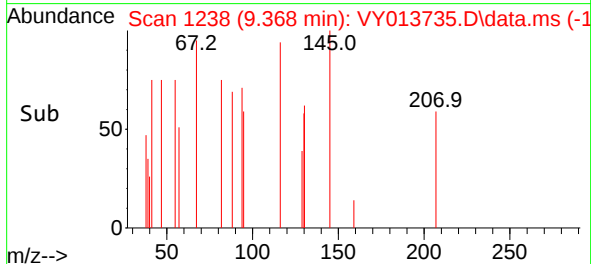
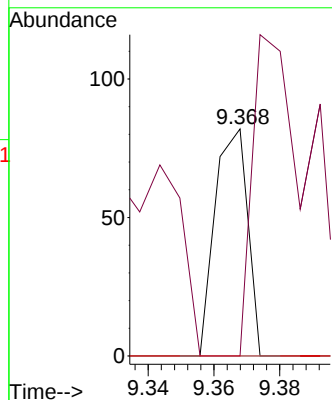
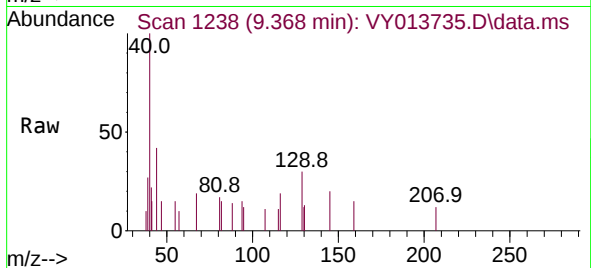
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 241.1 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 56.226 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013735.D

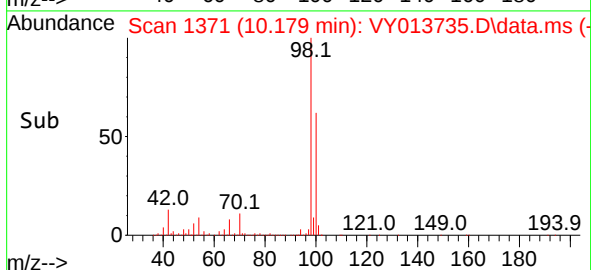
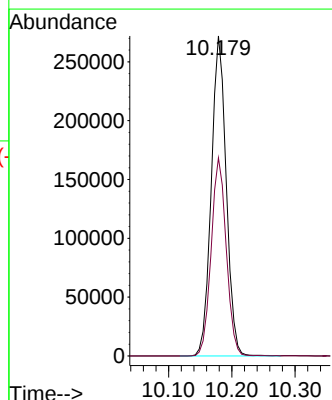
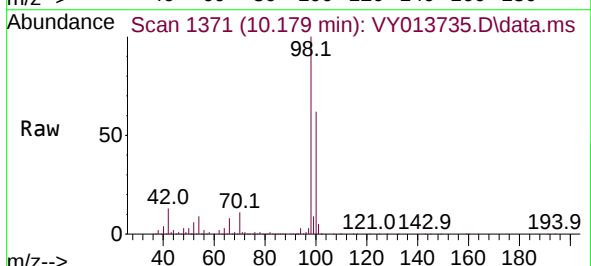
Acq: 15 May 2023 14:29

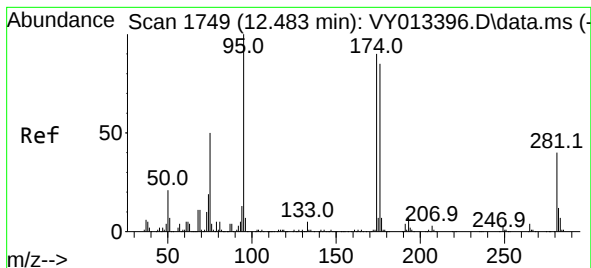
Tgt Ion: 98 Resp: 446747

Ion Ratio Lower Upper

98 100

100 62.5 50.5 75.7

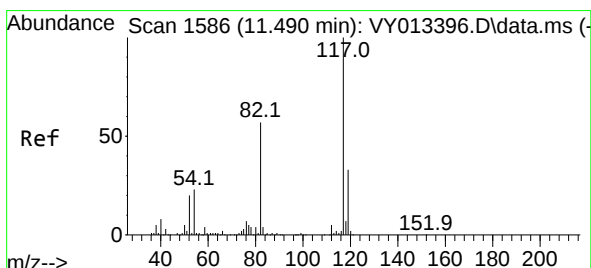
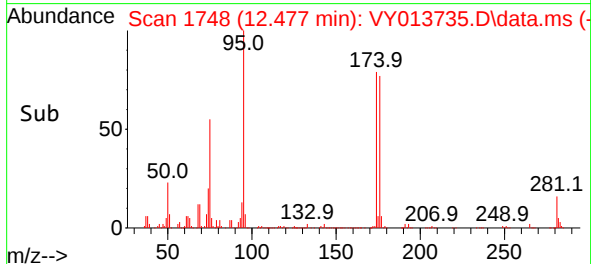
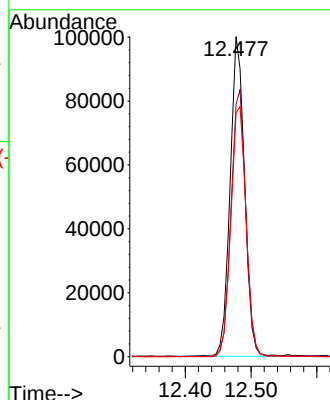
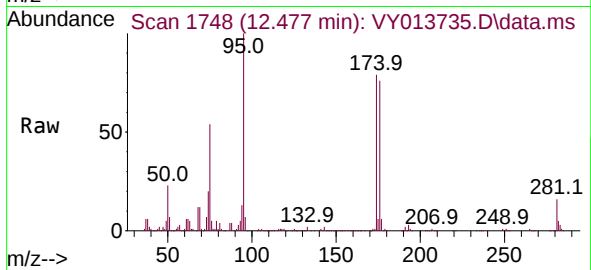




#62
4-Bromofluorobenzene
Concen: 57.086 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

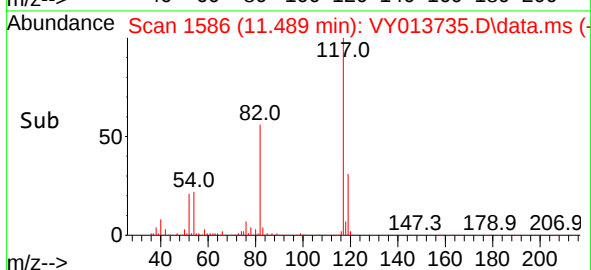
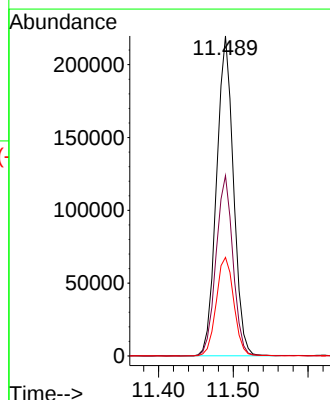
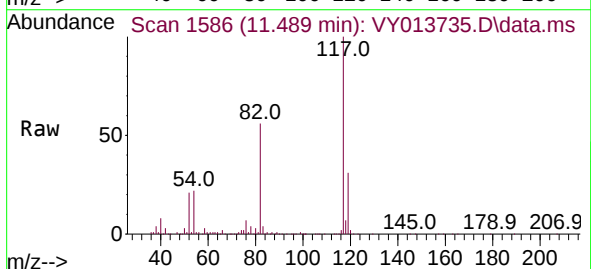
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

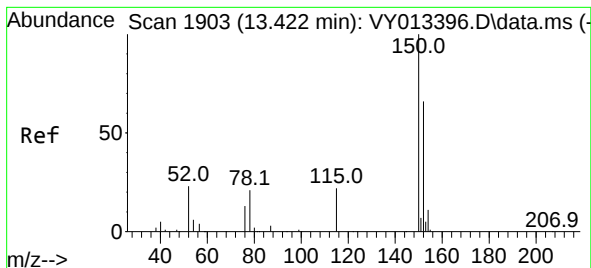
Tgt Ion: 95 Resp: 152914
Ion Ratio Lower Upper
95 100
174 85.3 0.0 182.0
176 82.6 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013735.D
Acq: 15 May 2023 14:29

Tgt Ion: 117 Resp: 346333
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.6
119 30.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013735.D

Acq: 15 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

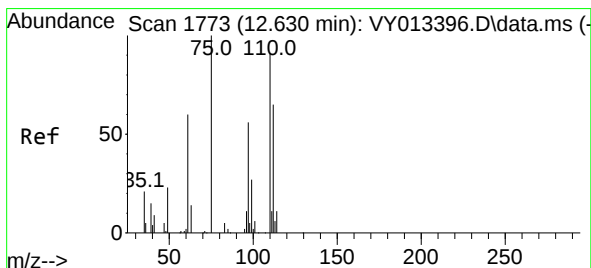
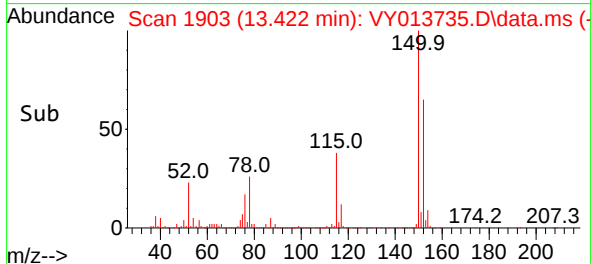
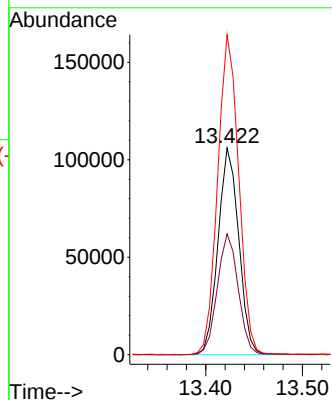
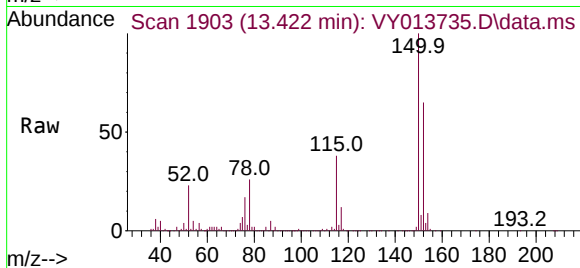
Tgt Ion:152 Resp: 157539

Ion Ratio Lower Upper

152 100

115 59.1 28.1 84.2

150 157.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 39.885 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013735.D

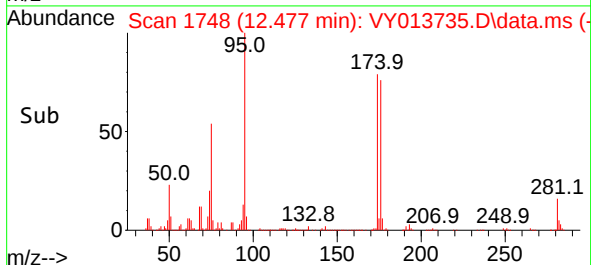
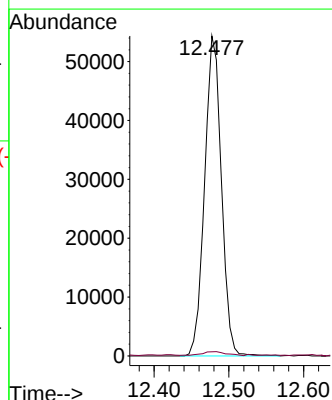
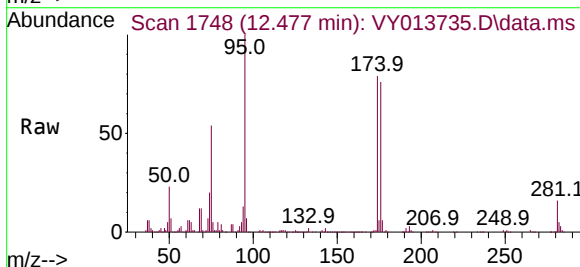
Acq: 15 May 2023 14:29

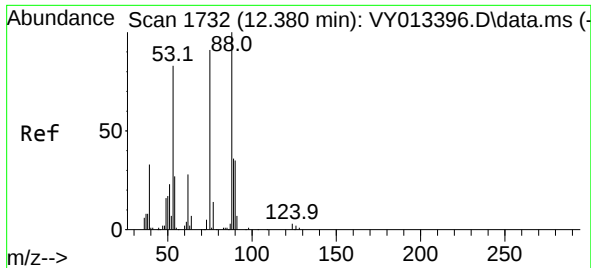
Tgt Ion: 75 Resp: 84739

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.586 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013735.D
 Acq: 15 May 2023 14:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 84739
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.5 38.0 57.0#

