

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013787.D
 Acq On : 17 May 2023 19:34
 Operator : KP/MD
 Sample : 02812-13
 Misc : 7.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B4-10-13

Quant Time: May 18 07:18:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

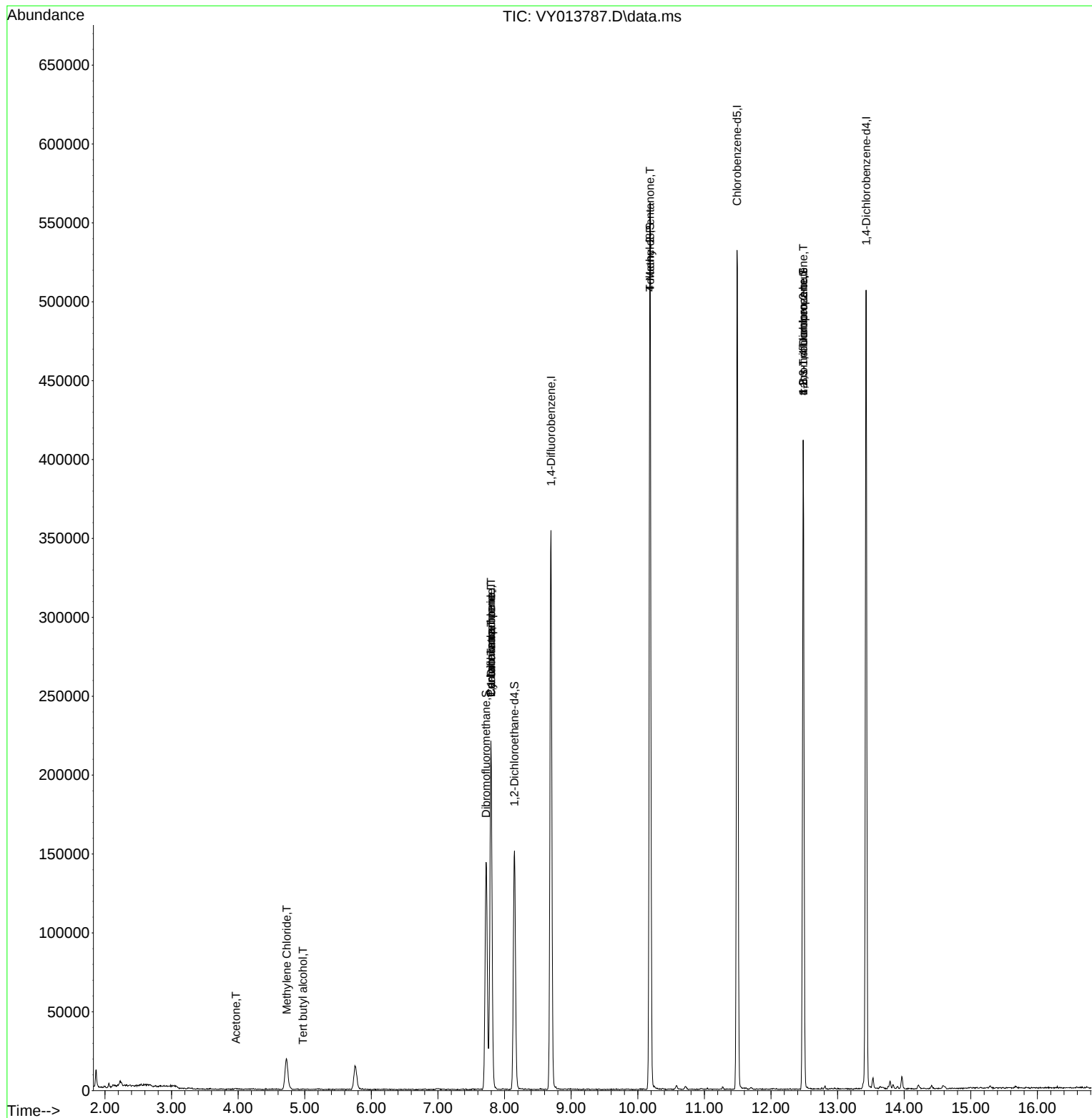
Internal Standards						
1) Pentafluorobenzene	7.795	168	165077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	288901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	279585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122047	63.644	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.280%	
35) Dibromofluoromethane	7.722	113	101172	54.611	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.220%	
50) Toluene-d8	10.185	98	351939	50.109	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.220%	
62) 4-Bromofluorobenzene	12.483	95	116063	49.751	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	274	1.764	ug/l #	73
16) Acetone	3.967	43	1162	2.008	ug/l #	45
20) Methylene Chloride	4.729	84	14085	2.210	ug/l	90
31) Cyclohexane	7.795	56	4297	1.563	ug/l #	26
36) 1,1-Dichloropropene	7.795	75	13060	5.102	ug/l #	52
38) Carbon Tetrachloride	7.795	117	16370	6.062	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	1928	1.083	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	62690	41.616	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	62690	92.653	ug/l #	12

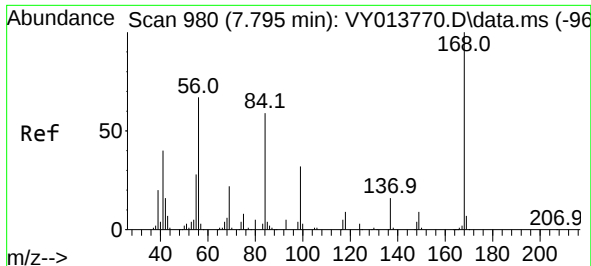
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

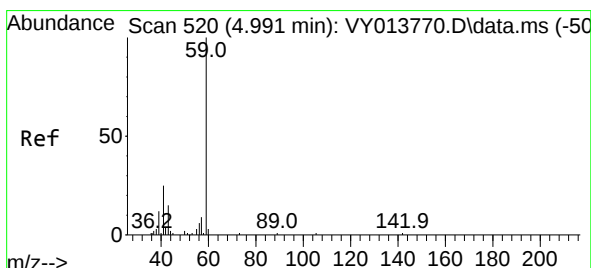
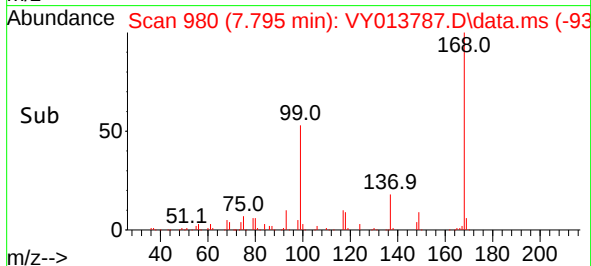
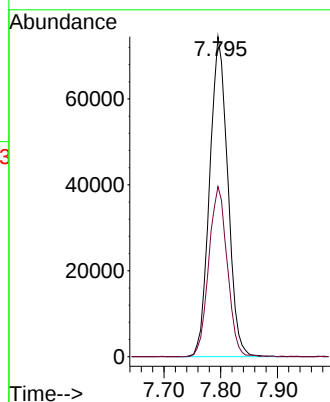
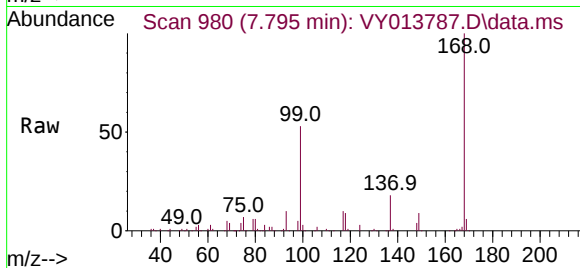




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

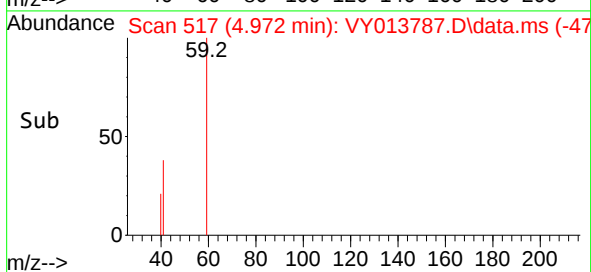
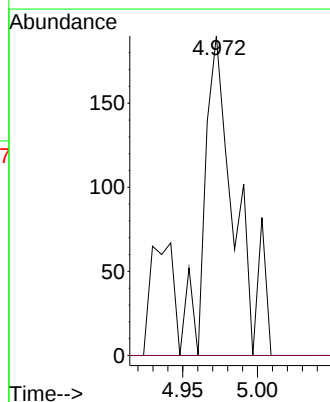
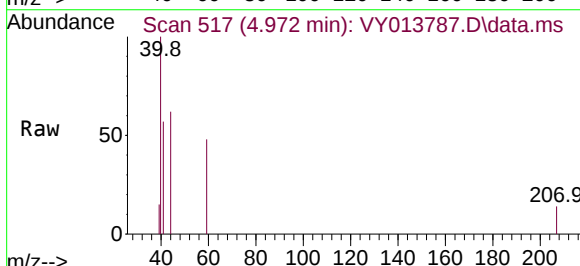
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B4-10-13

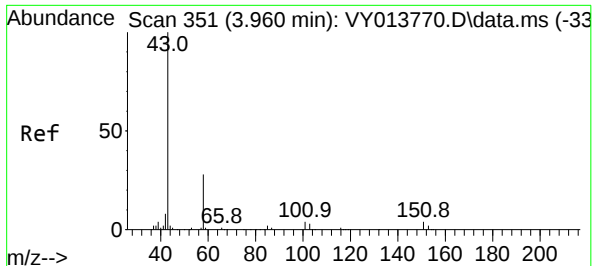
Tgt Ion:168 Resp: 165077
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.764 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.018 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

Tgt Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

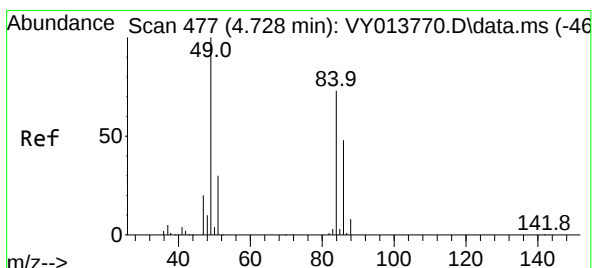
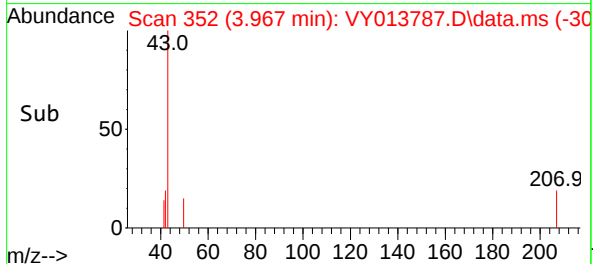
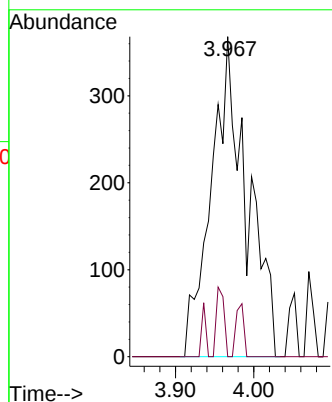
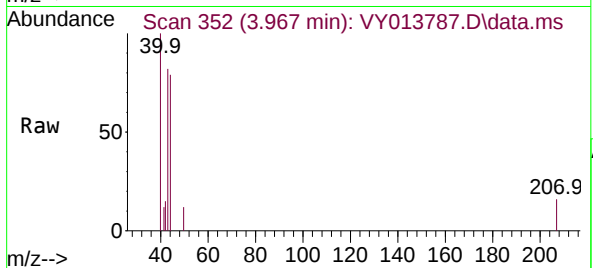




#16
Acetone
Concen: 2.008 ug/l
RT: 3.967 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

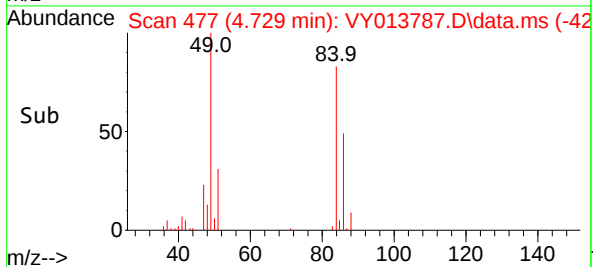
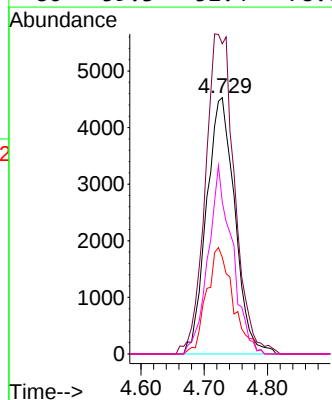
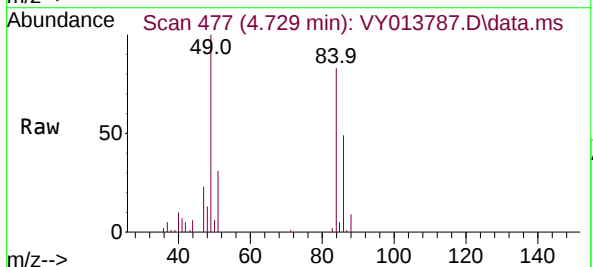
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B4-10-13

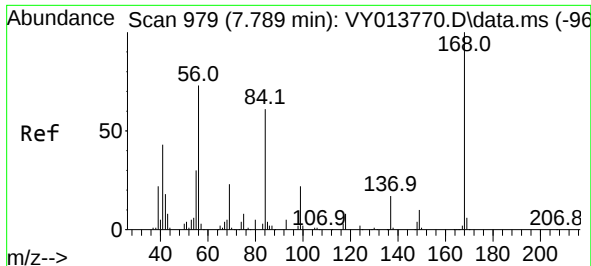
Tgt Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#20
Methylene Chloride
Concen: 2.210 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

Tgt Ion: 84 Resp: 14085
Ion Ratio Lower Upper
84 100
49 121.0 109.4 164.0
51 37.7 32.8 49.2
86 59.3 52.4 78.6

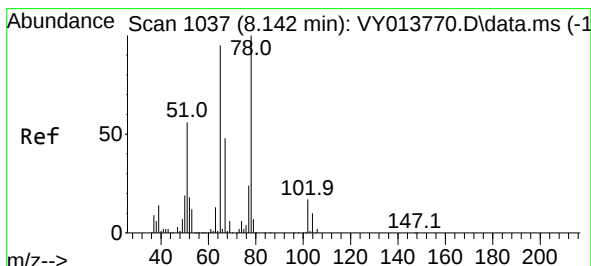
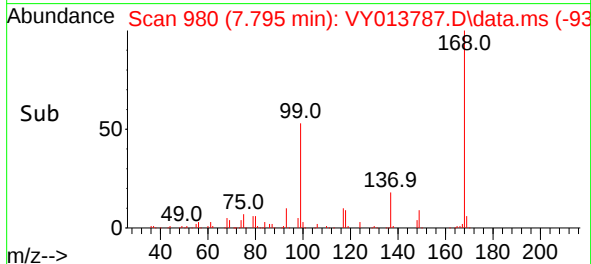
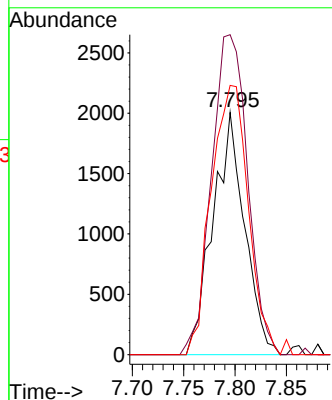
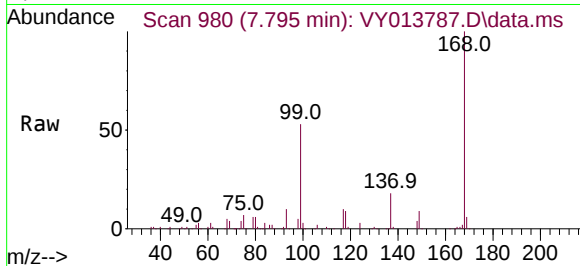




#31
Cyclohexane
Concen: 1.563 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

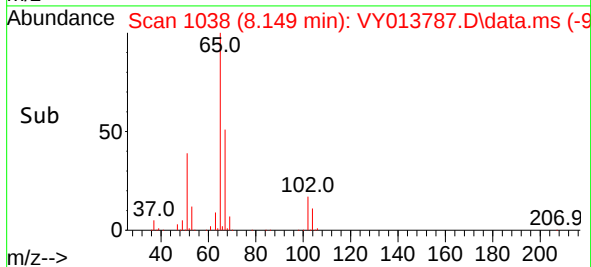
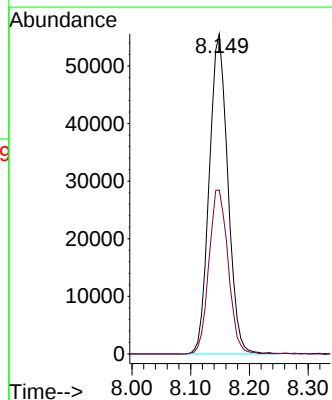
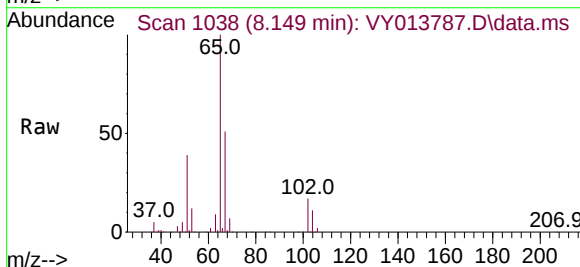
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B4-10-13

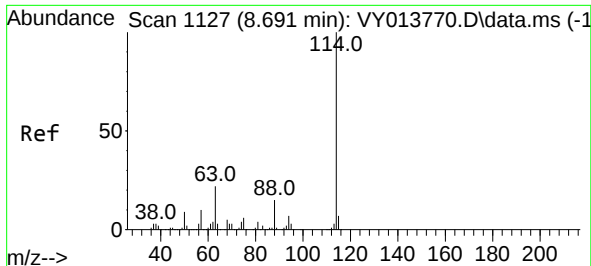
Tgt Ion: 56 Resp: 4297
Ion Ratio Lower Upper
56 100
69 132.1 25.8 38.6#
84 111.2 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 63.644 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

Tgt Ion: 65 Resp: 122047
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013787.D

Acq: 17 May 2023 19:34

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B4-10-13

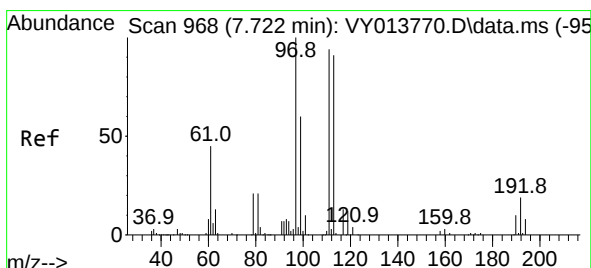
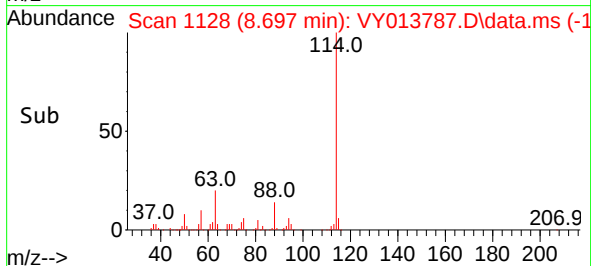
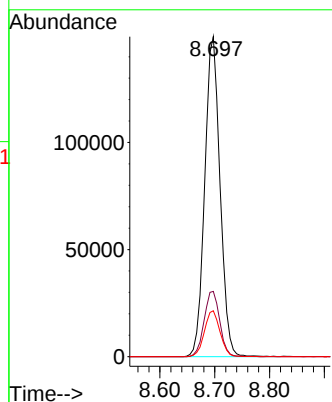
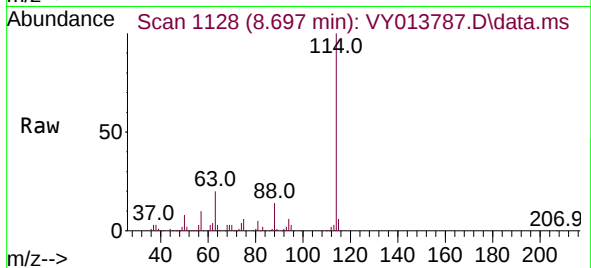
Tgt Ion:114 Resp: 288901

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.8

88 14.3 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.611 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013787.D

Acq: 17 May 2023 19:34

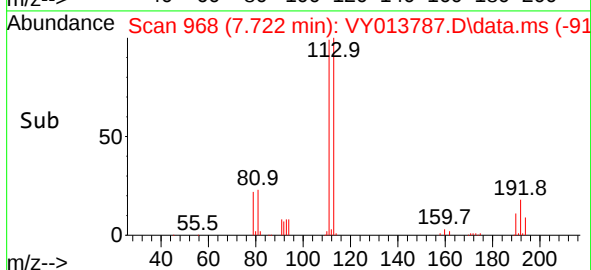
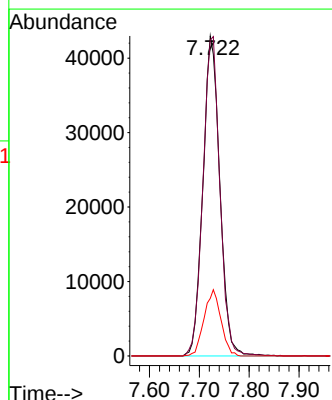
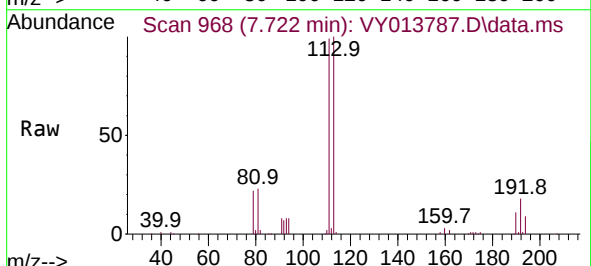
Tgt Ion:113 Resp: 101172

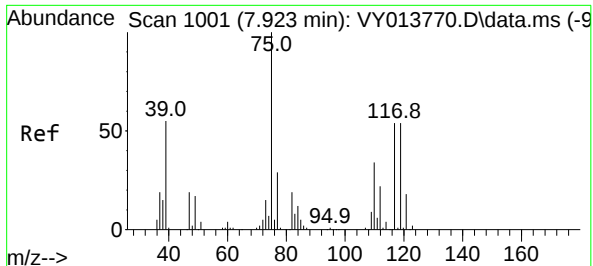
Ion Ratio Lower Upper

113 100

111 100.2 82.3 123.5

192 20.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY013787.D

Acq: 17 May 2023 19:34

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B4-10-13

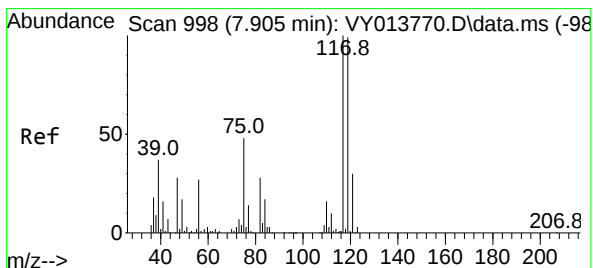
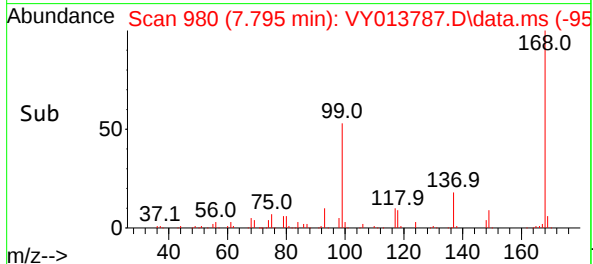
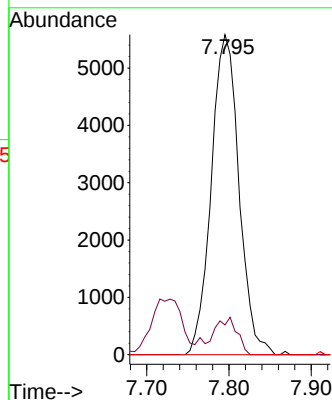
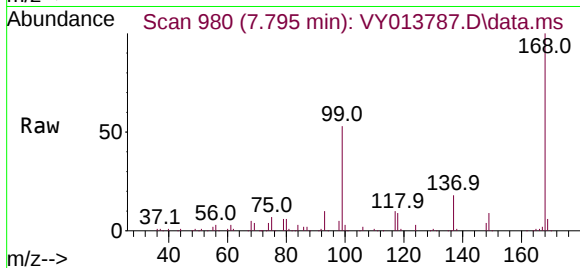
Tgt Ion: 75 Resp: 13060

Ion Ratio Lower Upper

75 100

110 10.7 17.3 51.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.062 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY013787.D

Acq: 17 May 2023 19:34

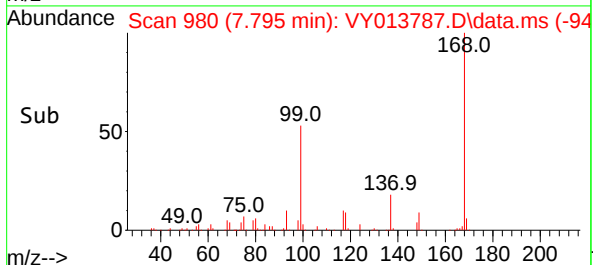
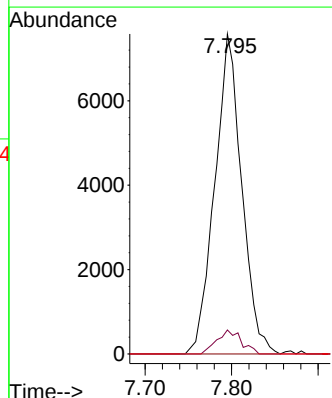
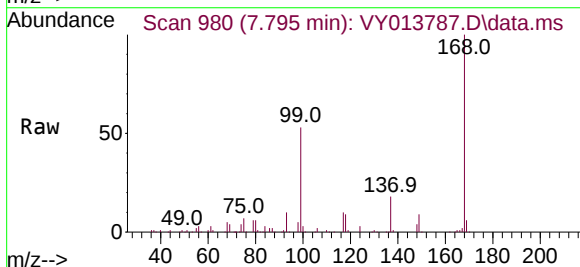
Tgt Ion: 117 Resp: 16370

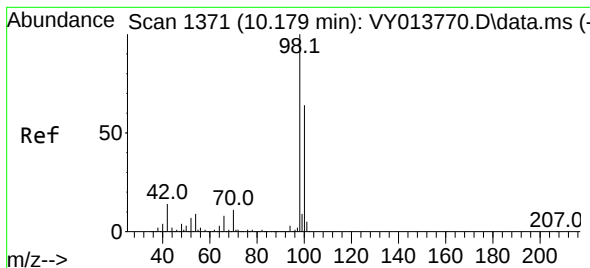
Ion Ratio Lower Upper

117 100

119 7.5 79.0 118.6#

121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 50.109 ug/l

RT: 10.185 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY013787.D

Acq: 17 May 2023 19:34

Instrument :

MSVOA_Y

ClientSampleId :

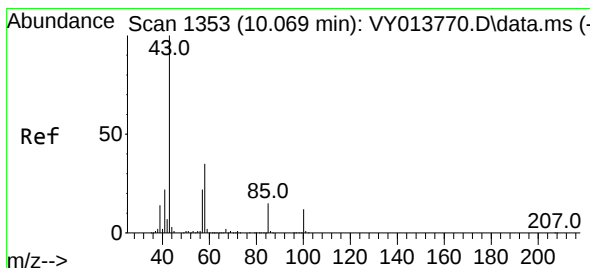
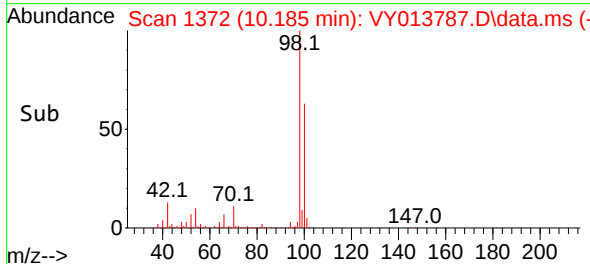
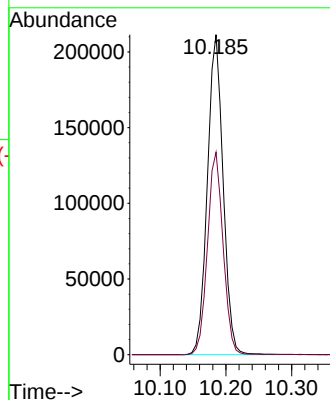
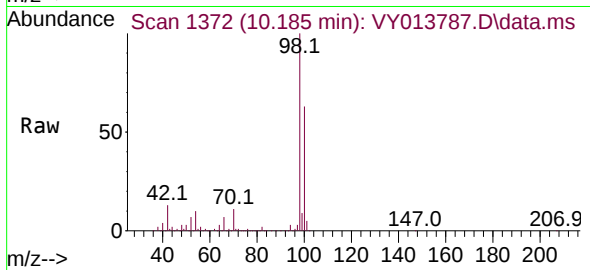
WG-0516-B4-10-13

Tgt Ion: 98 Resp: 351939

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.6



#51

4-Methyl-2-Pentanone

Concen: 1.083 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.116 min

Lab File: VY013787.D

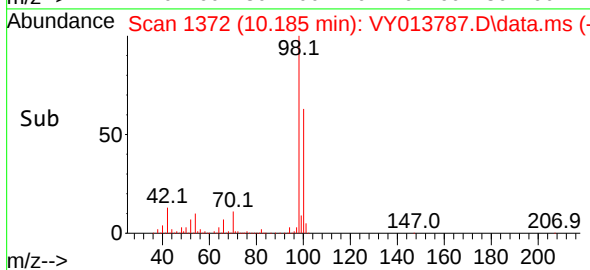
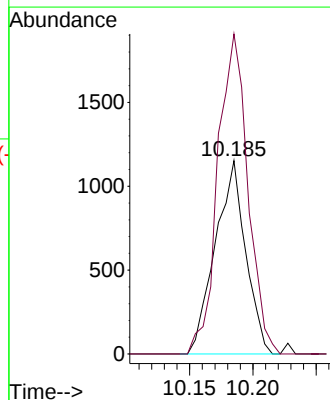
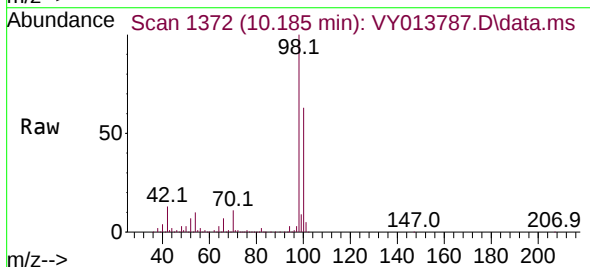
Acq: 17 May 2023 19:34

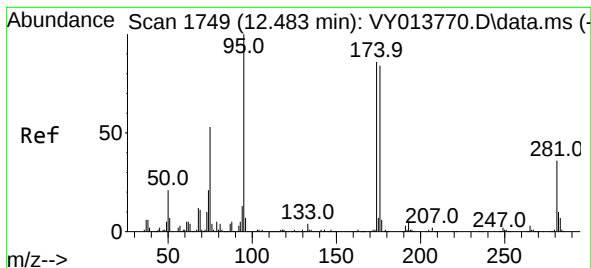
Tgt Ion: 43 Resp: 1928

Ion Ratio Lower Upper

43 100

58 163.5 28.2 42.2#

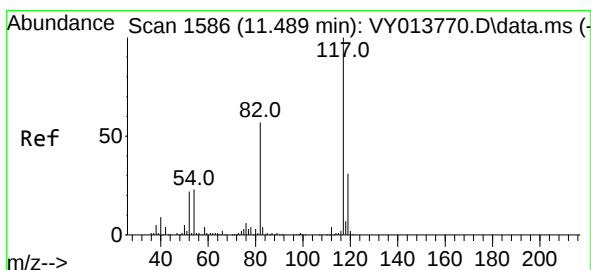
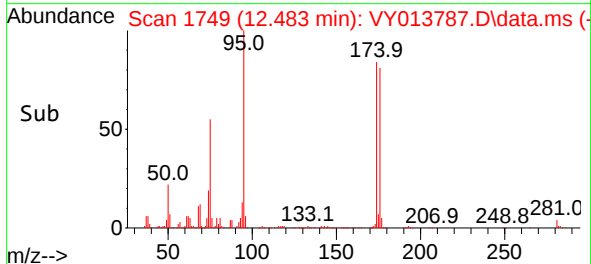
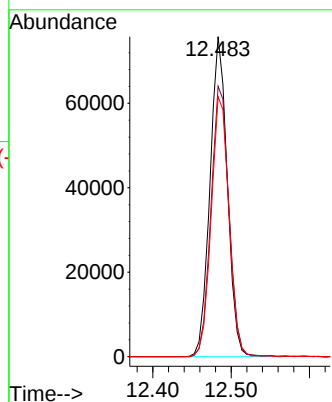
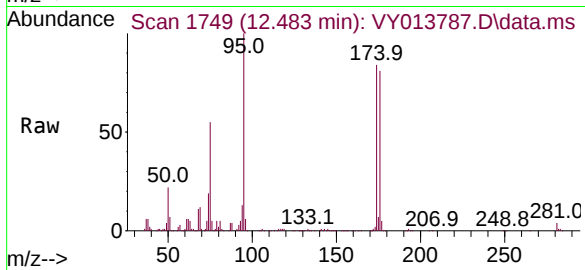




#62
4-Bromofluorobenzene
Concen: 49.751 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

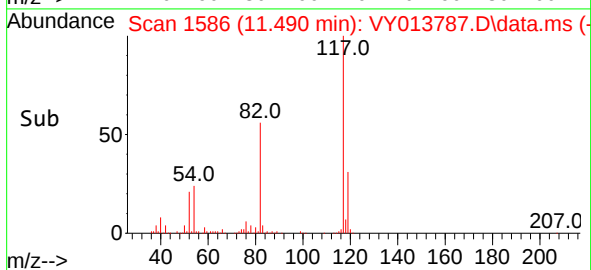
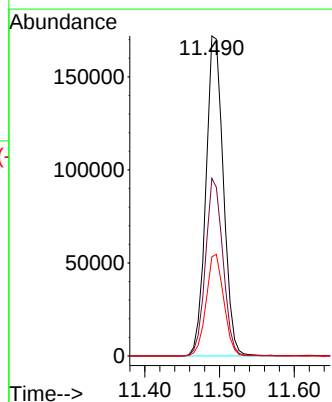
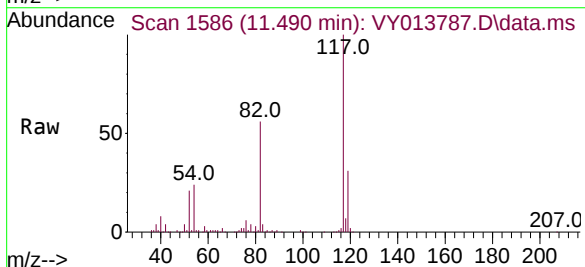
Instrument :
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WG-0516-B4-10-13

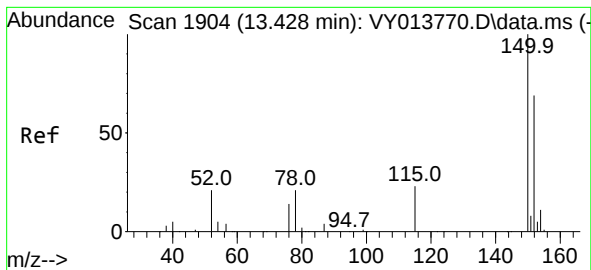
Tgt Ion: 95 Resp: 116063
Ion Ratio Lower Upper
95 100
174 87.8 0.0 168.8
176 83.6 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013787.D
Acq: 17 May 2023 19:34

Tgt Ion: 117 Resp: 279585
Ion Ratio Lower Upper
117 100
82 55.5 45.5 68.3
119 31.0 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013787.D

Acq: 17 May 2023 19:34

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B4-10-13

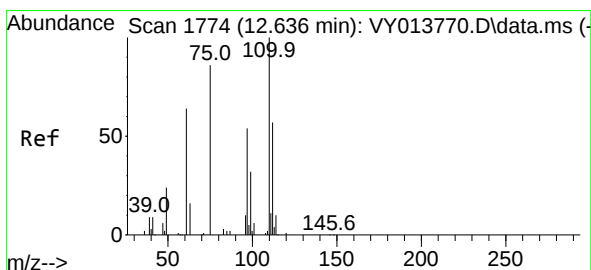
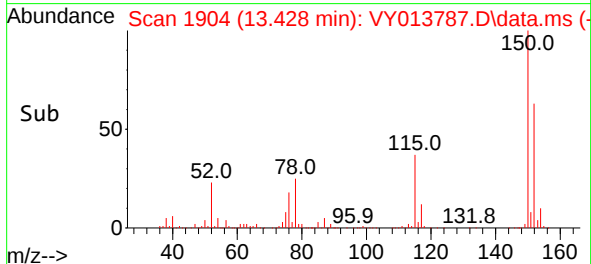
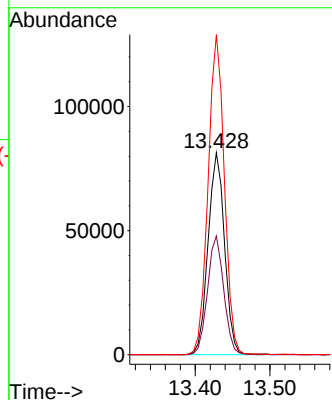
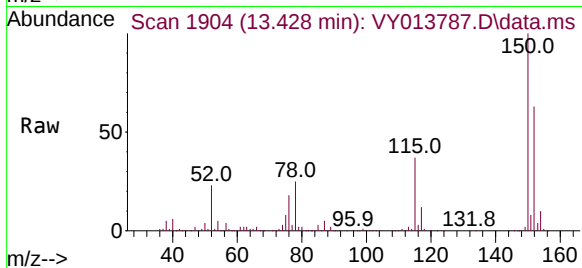
Tgt Ion:152 Resp: 124467

Ion Ratio Lower Upper

152 100

115 58.0 28.5 85.5

150 156.4 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 41.616 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013787.D

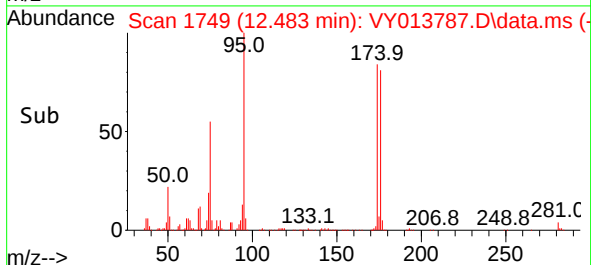
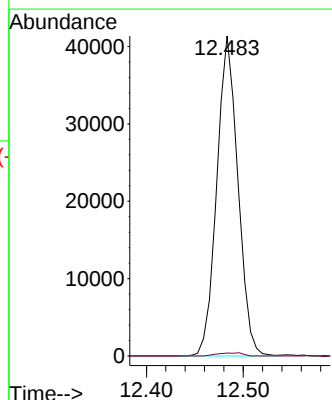
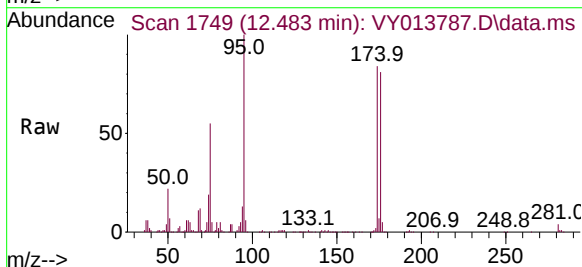
Acq: 17 May 2023 19:34

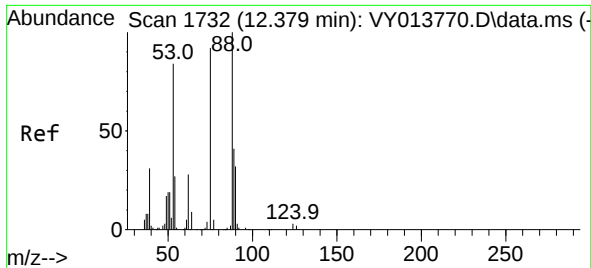
Tgt Ion: 75 Resp: 62690

Ion Ratio Lower Upper

75 100

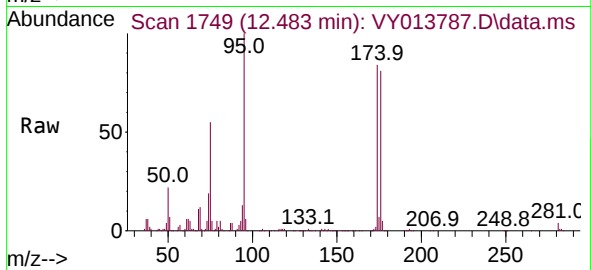
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.653 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013787.D
 Acq: 17 May 2023 19:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B4-10-13



Tgt Ion: 75 Resp: 62690
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.3 112.9#
 89 0.1 35.4 53.2#

