

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016467.D
 Acq On : 22 Nov 2023 17:07
 Operator : SY/MD
 Sample : 05505-04
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:08:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

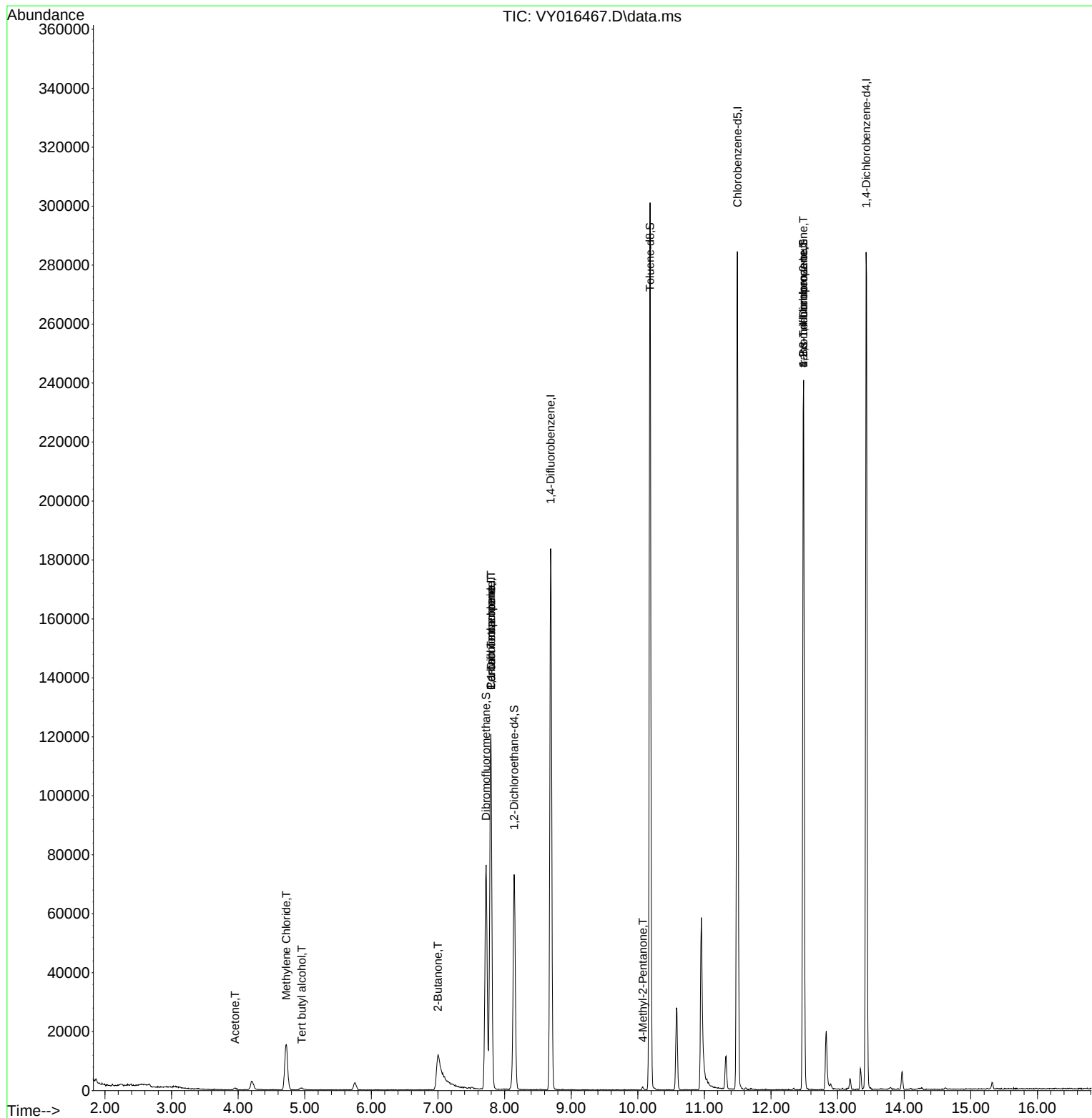
Internal Standards						
1) Pentafluorobenzene	7.795	168	97833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	168343	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	167338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	57156	63.922	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.840%	
35) Dibromofluoromethane	7.722	113	54556	57.049	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.100%	
50) Toluene-d8	10.185	98	198880	51.285	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.483	95	70366	55.868	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1410	20.137	ug/l #	89
16) Acetone	3.954	43	1164	7.870	ug/l #	67
20) Methylene Chloride	4.722	84	12837	9.464	ug/l #	83
25) 2-Butanone	6.996	43	841	3.246	ug/l #	71
36) 1,1-Dichloropropene	7.795	75	6971	4.198	ug/l #	49
38) Carbon Tetrachloride	7.795	117	9620	5.582	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	682	1.040	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	35491	46.728	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35491	101.428	ug/l #	11

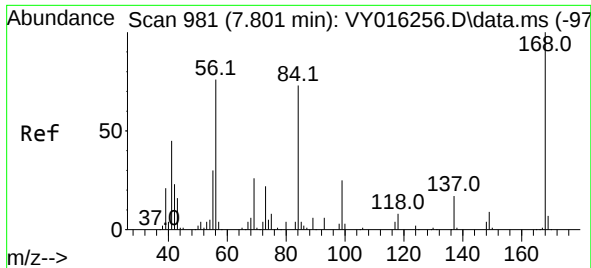
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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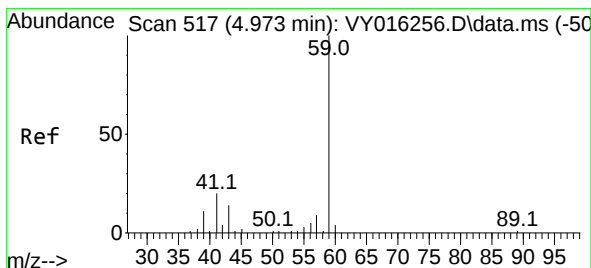
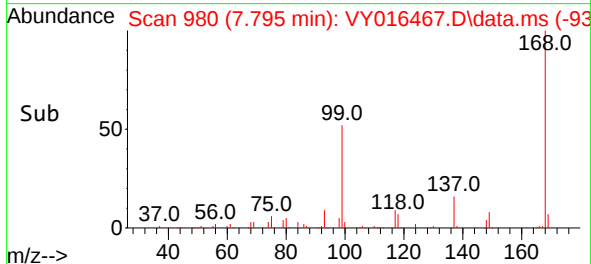
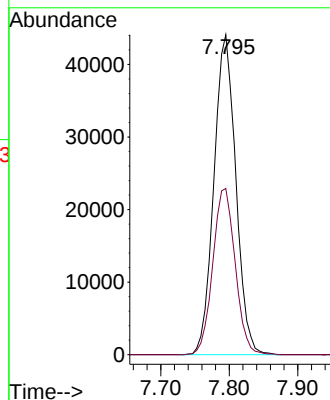
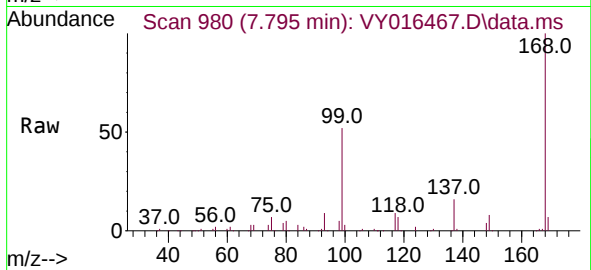




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016467.D
Acq: 22 Nov 2023 17:07

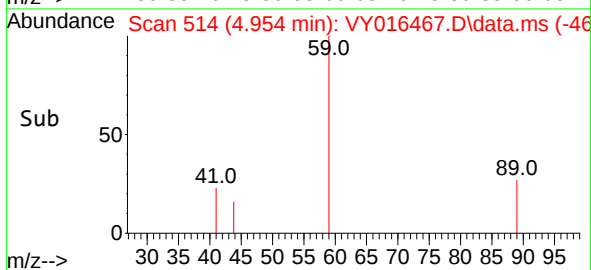
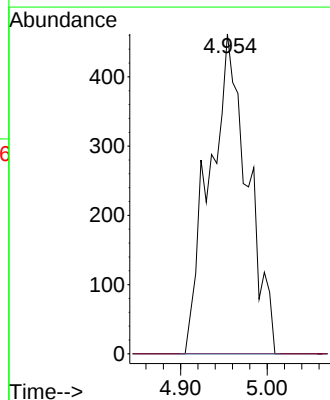
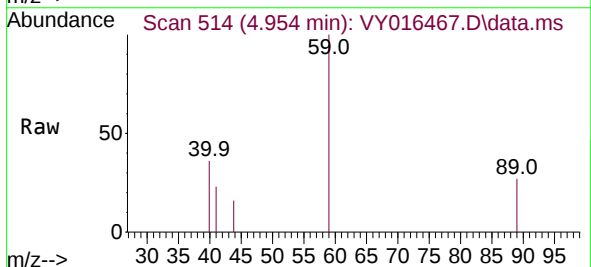
Instrument :
MSVOA_Y
ClientSampleId :

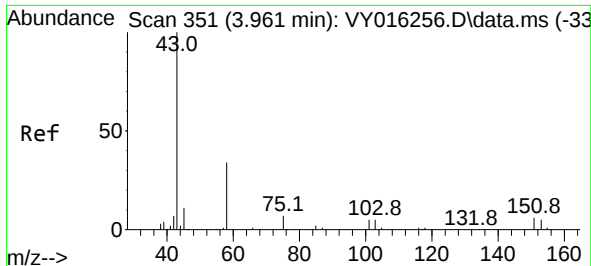
Tgt Ion:168 Resp: 97833
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 20.137 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY016467.D
Acq: 22 Nov 2023 17:07

Tgt Ion: 59 Resp: 1410
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

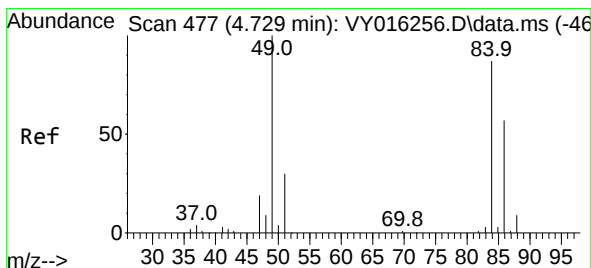
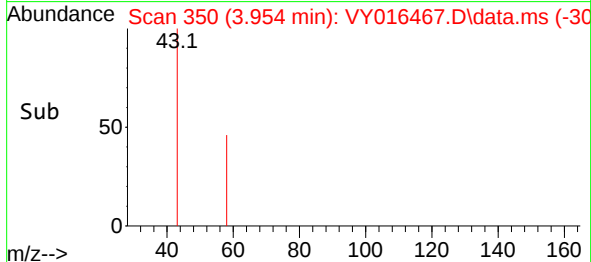
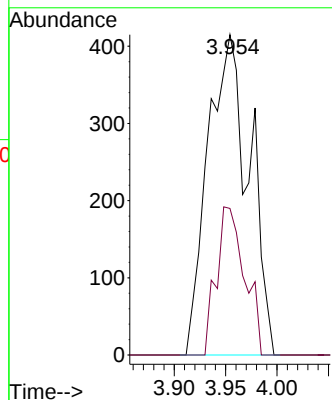
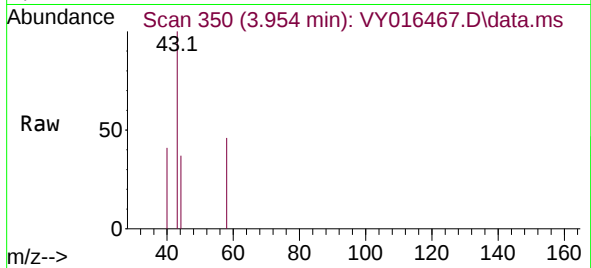




#16
Acetone
Concen: 7.870 ug/l
RT: 3.954 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY016467.D
Acq: 22 Nov 2023 17:07

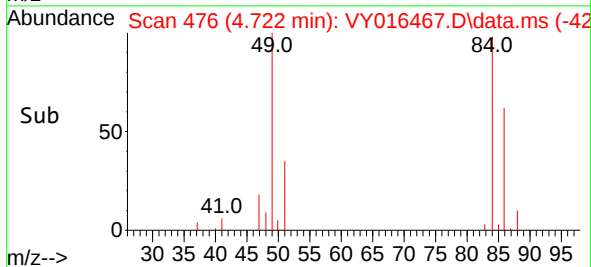
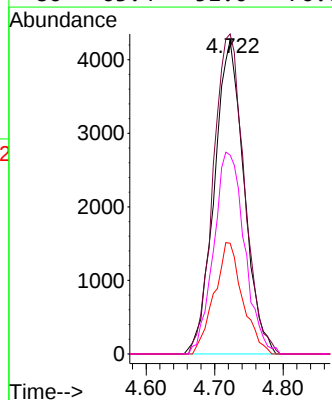
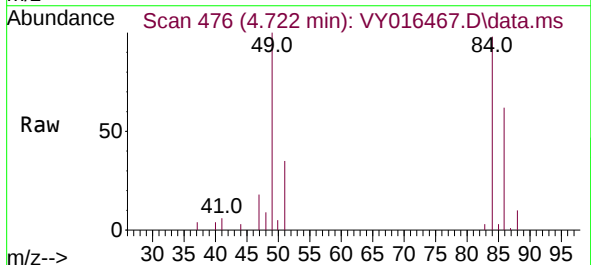
Instrument :
MSVOA_Y
ClientSampleId :

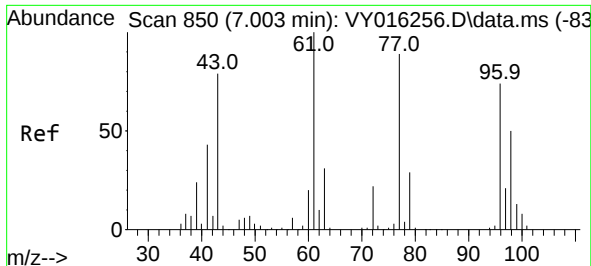
Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
58 45.8 22.7 34.1#



#20
Methylene Chloride
Concen: 9.464 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY016467.D
Acq: 22 Nov 2023 17:07

Tgt Ion: 84 Resp: 12837
Ion Ratio Lower Upper
84 100
49 102.0 106.9 160.3#
51 35.3 33.2 49.8
86 63.4 51.0 76.6





#25

2-Butanone

Concen: 3.246 ug/l

RT: 6.996 min Scan# 841

Delta R.T. -0.006 min

Lab File: VY016467.D

Acq: 22 Nov 2023 17:07

Instrument :

MSVOA_Y

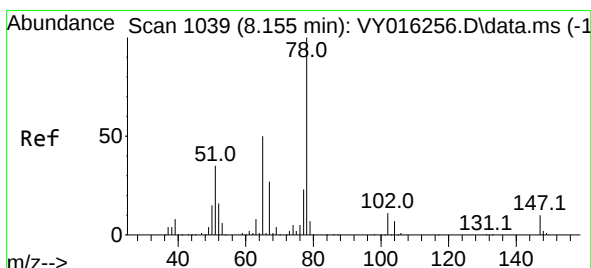
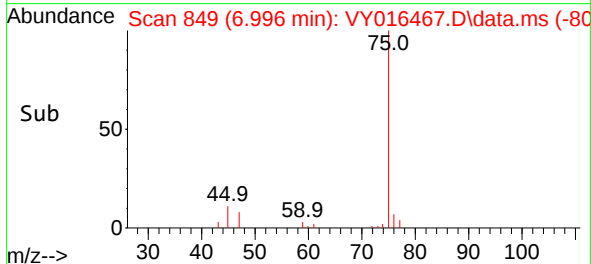
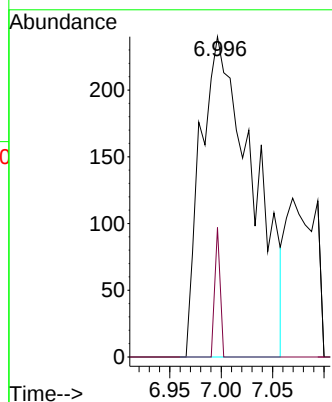
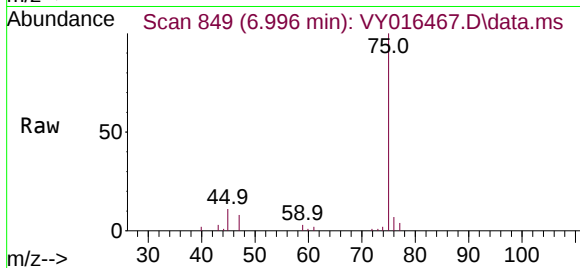
ClientSampleId :

Tgt Ion: 43 Resp: 841

Ion Ratio Lower Upper

43 100

72 40.4 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 63.922 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.012 min

Lab File: VY016467.D

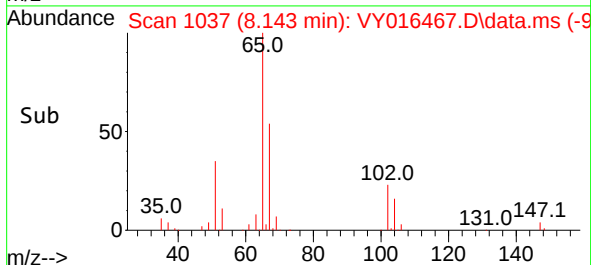
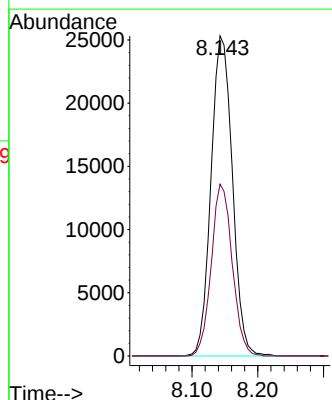
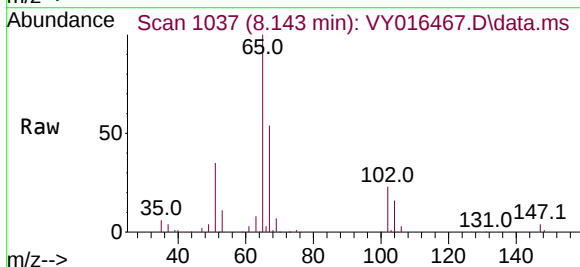
Acq: 22 Nov 2023 17:07

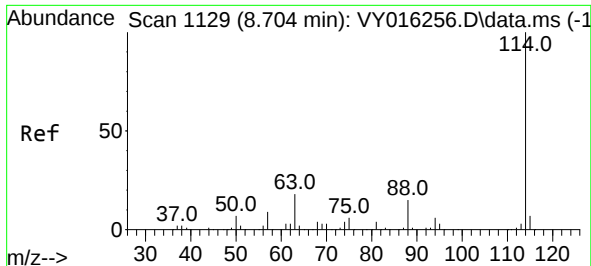
Tgt Ion: 65 Resp: 57156

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016467.D

Acq: 22 Nov 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :

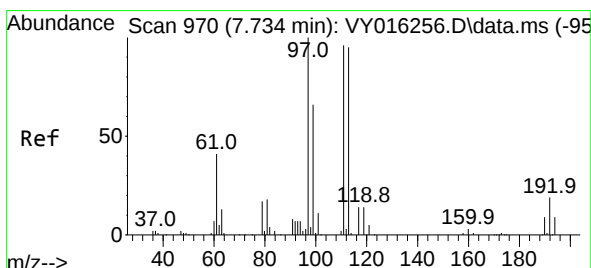
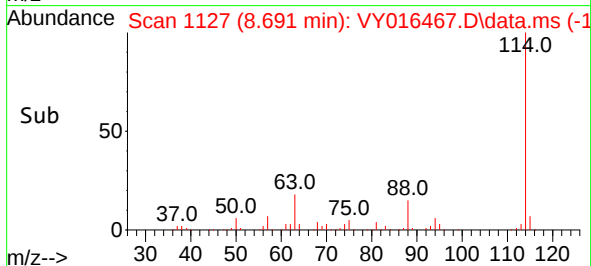
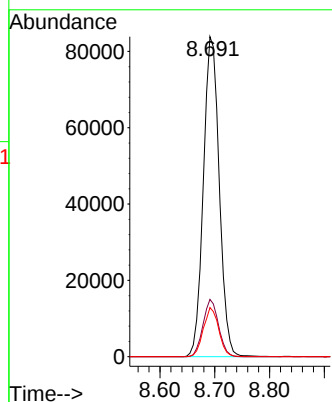
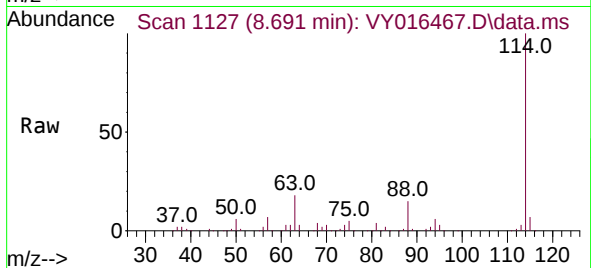
Tgt Ion:114 Resp: 168343

Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.049 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016467.D

Acq: 22 Nov 2023 17:07

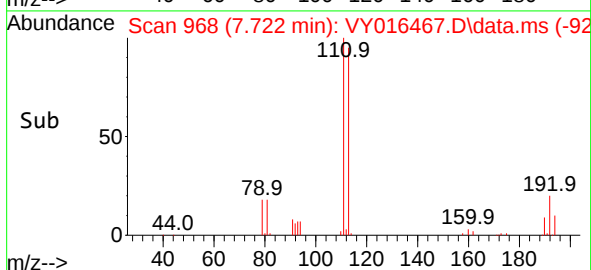
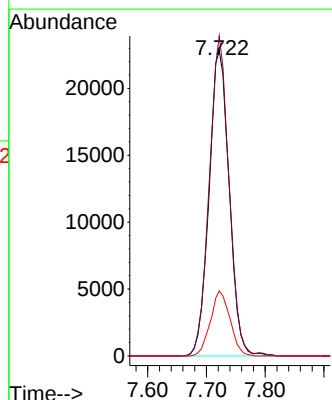
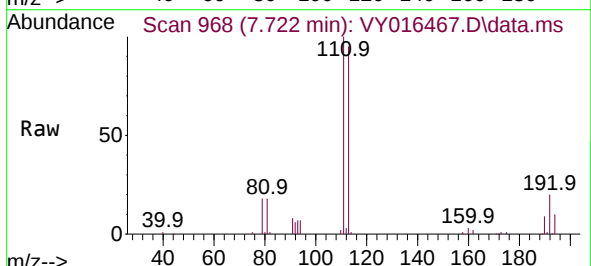
Tgt Ion:113 Resp: 54556

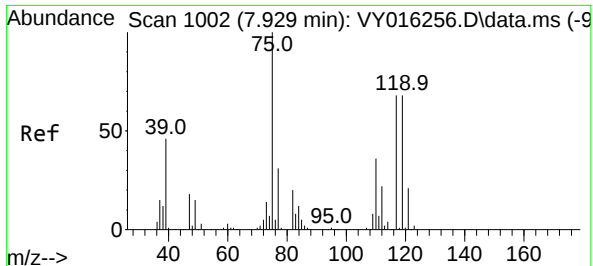
Ion Ratio Lower Upper

113 100

111 101.4 81.3 121.9

192 20.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.198 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY016467.D

Acq: 22 Nov 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :

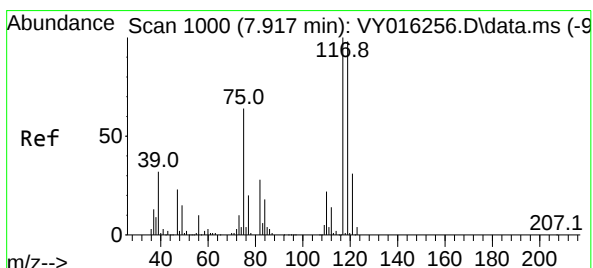
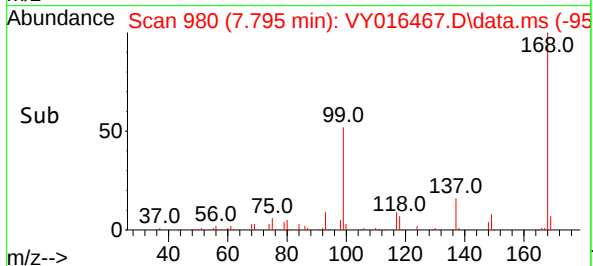
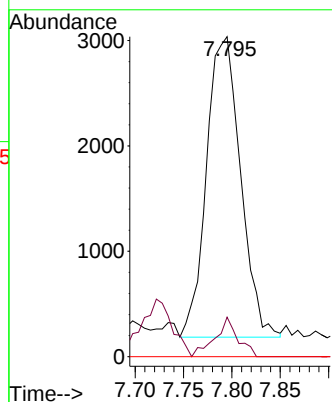
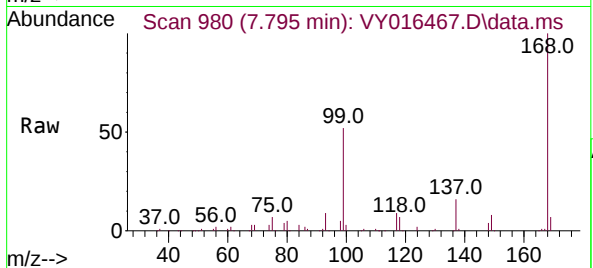
Tgt Ion: 75 Resp: 6971

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.582 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY016467.D

Acq: 22 Nov 2023 17:07

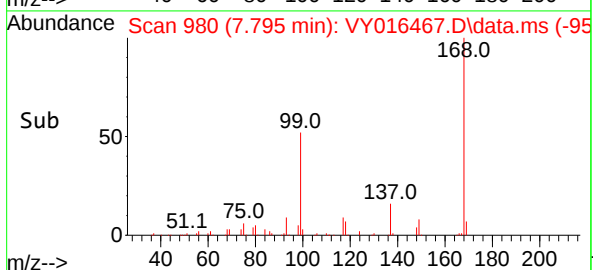
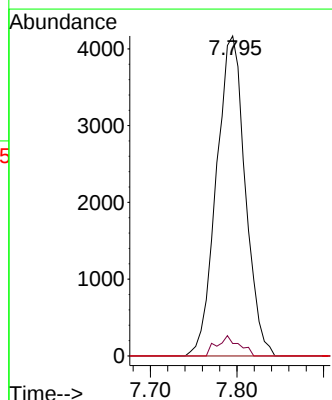
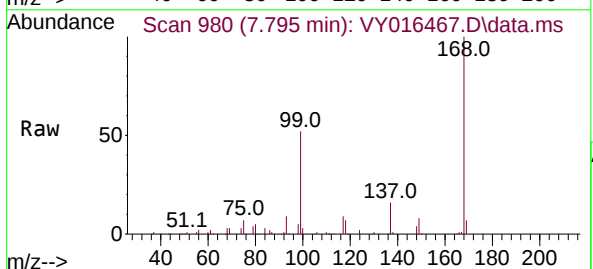
Tgt Ion: 117 Resp: 9620

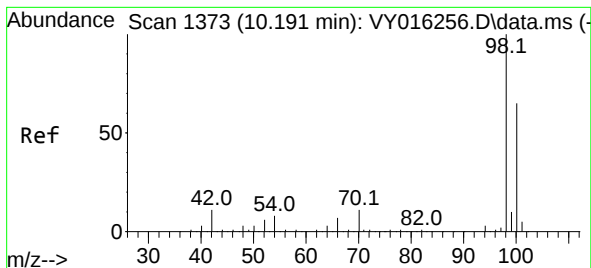
Ion Ratio Lower Upper

117 100

119 3.9 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 51.285 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016467.D

Acq: 22 Nov 2023 17:07

Instrument :

MSVOA_Y

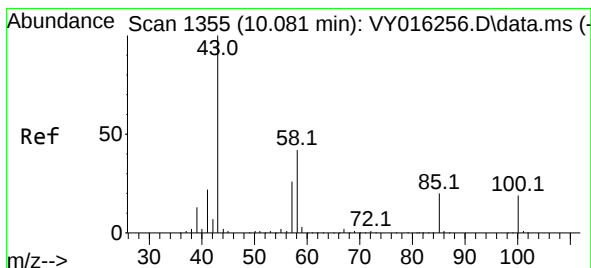
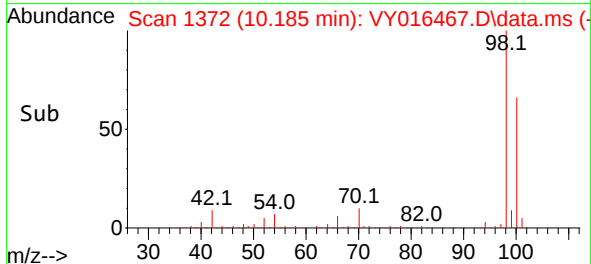
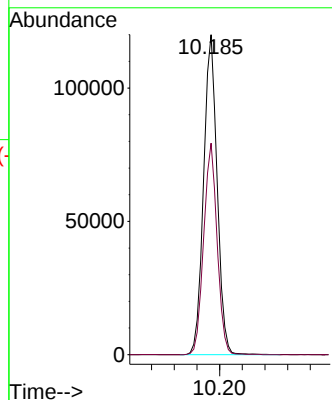
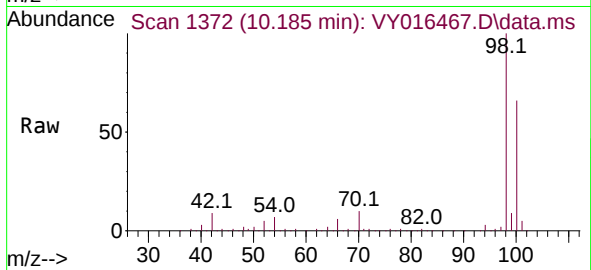
ClientSampleId :

Tgt Ion: 98 Resp: 198880

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.040 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. -0.006 min

Lab File: VY016467.D

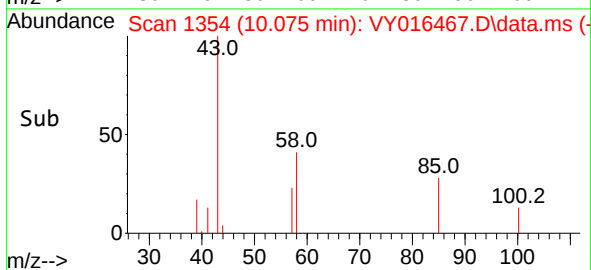
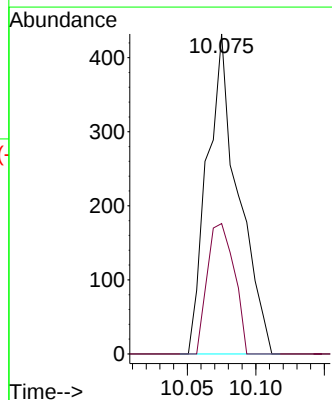
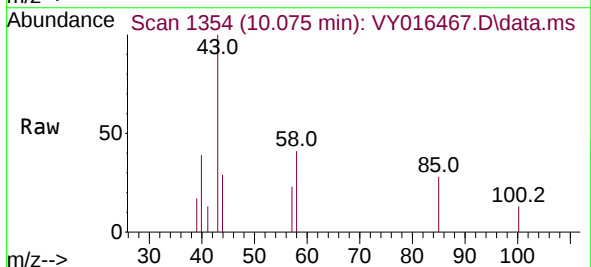
Acq: 22 Nov 2023 17:07

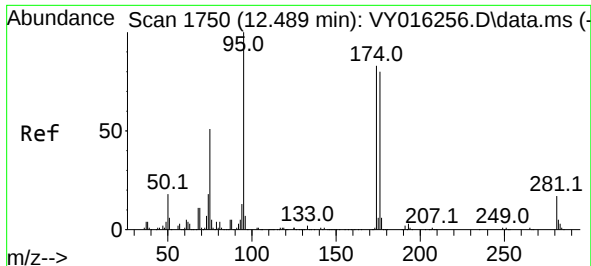
Tgt Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

58 35.2 29.0 43.6

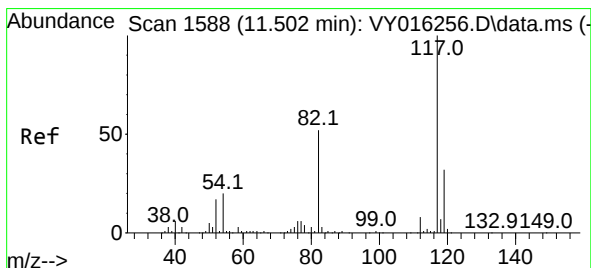
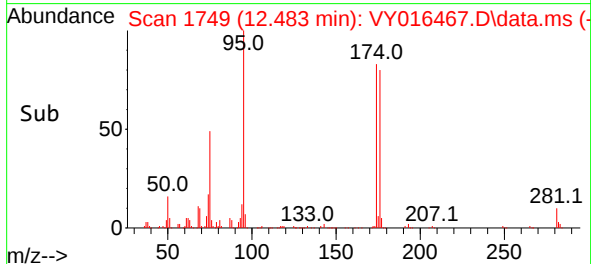
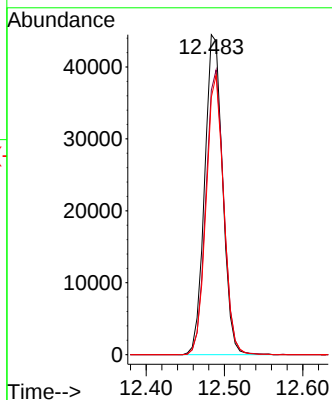
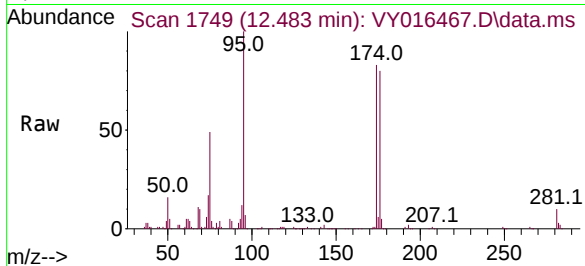




#62
4-Bromofluorobenzene
Concen: 55.868 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016467.D
Acq: 22 Nov 2023 17:07

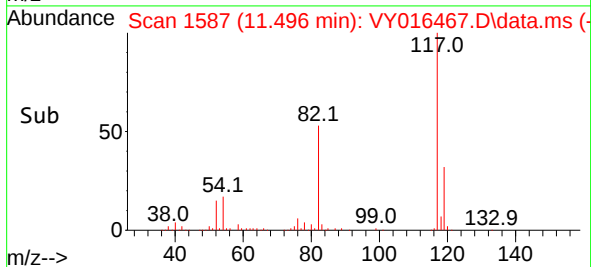
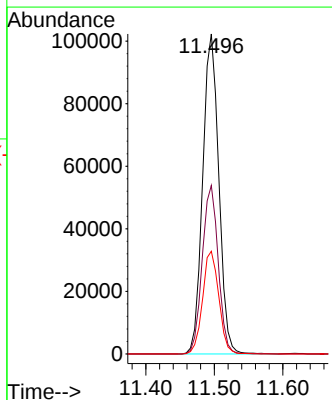
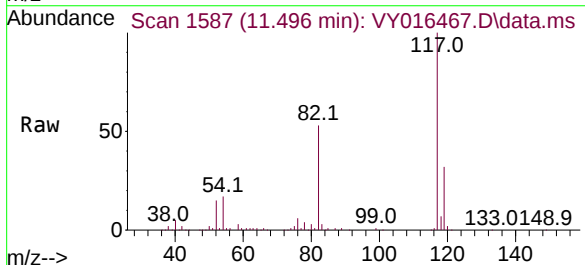
Instrument :
MSVOA_Y
ClientSampleId :

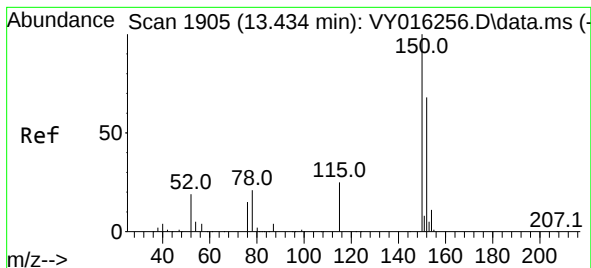
Tgt Ion: 95 Resp: 70366
Ion Ratio Lower Upper
95 100
174 88.6 0.0 178.2
176 85.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016467.D
Acq: 22 Nov 2023 17:07

Tgt Ion: 117 Resp: 167338
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

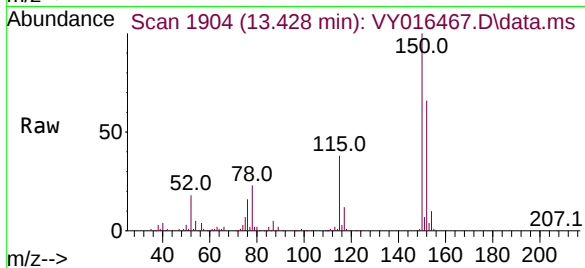
Lab File: VY016467.D

Acq: 22 Nov 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :



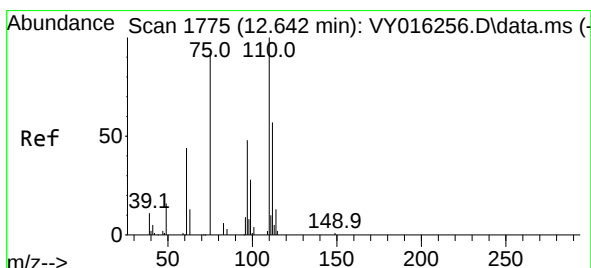
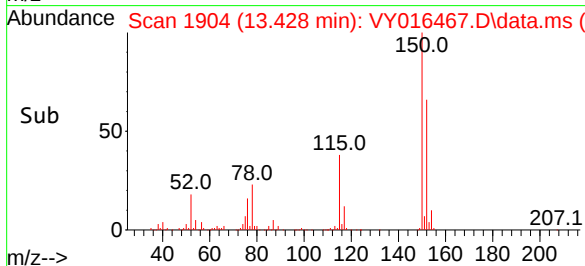
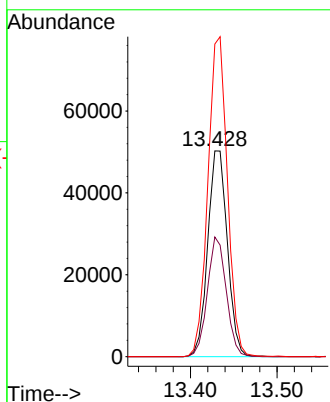
Tgt Ion:152 Resp: 79175

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 154.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 46.728 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.159 min

Lab File: VY016467.D

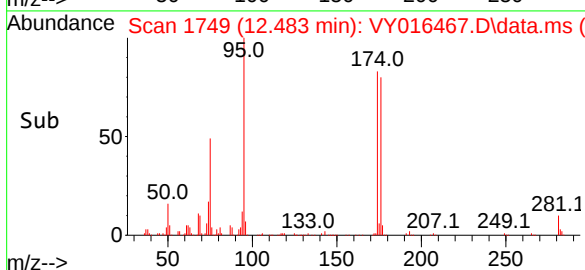
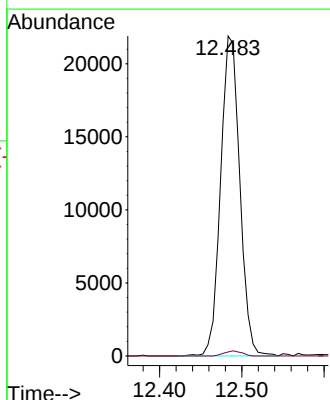
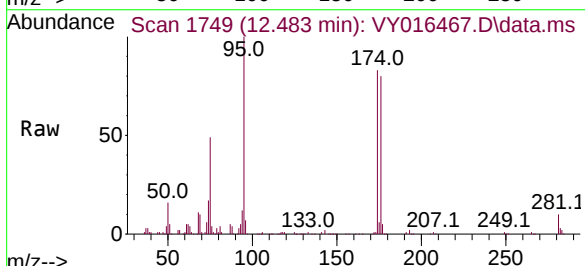
Acq: 22 Nov 2023 17:07

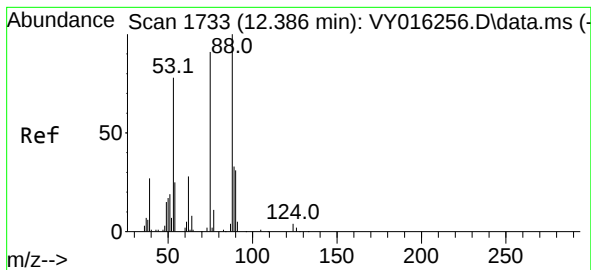
Tgt Ion: 75 Resp: 35491

Ion Ratio Lower Upper

75 100

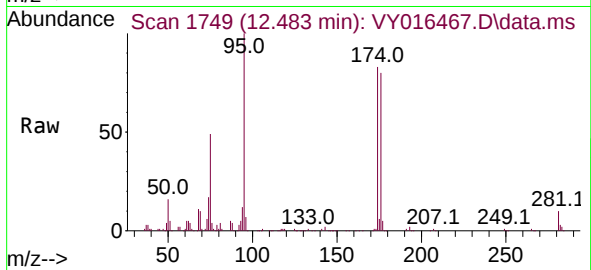
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.428 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY016467.D
 Acq: 22 Nov 2023 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.3	37.4	56.0#

