

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020633.D
 Acq On : 18 Dec 2024 14:07
 Operator : SY/MD
 Sample : P5312-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 02:48:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

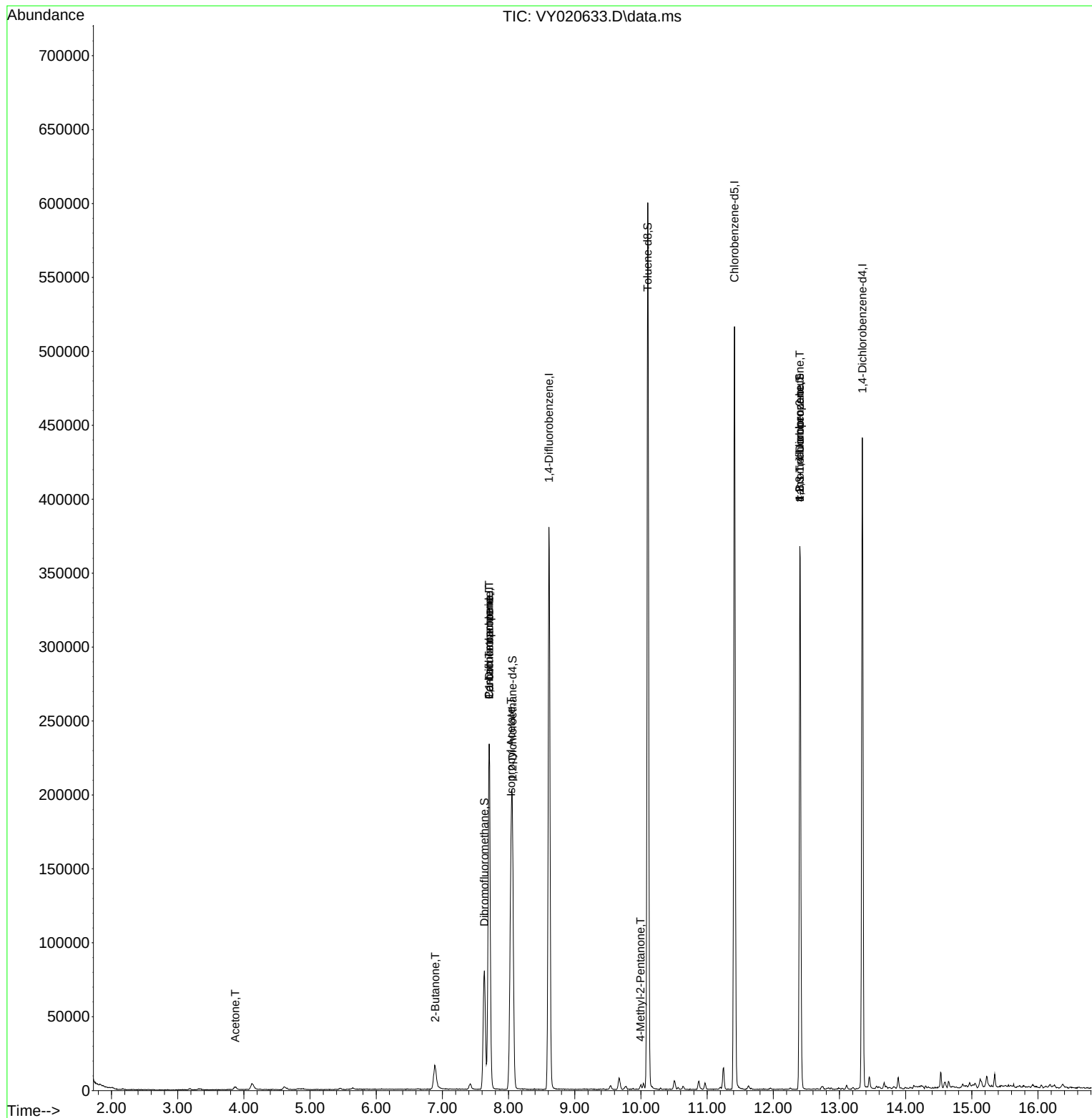
Internal Standards						
1) Pentafluorobenzene	7.707	168	174754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	314435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	266593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	98559	51.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.000%	
35) Dibromofluoromethane	7.634	113	56632	25.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 51.120%#	
50) Toluene-d8	10.103	98	379466	48.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.840%	
62) 4-Bromofluorobenzene	12.401	95	113972	37.563	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 75.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	593	Below Cal		100
16) Acetone	3.872	43	3746	3.506	ug/l	97
25) 2-Butanone	6.890	43	1166	1.639	ug/l	95
30) Chloroform	7.426	83	3727	Below Cal		97
36) 1,1-Dichloropropene	7.707	75	14521	3.594	ug/l #	51
38) Carbon Tetrachloride	7.707	117	18250	4.082	ug/l #	15
43) Isopropyl Acetate	8.036	43	3642	1.012	ug/l #	1
51) 4-Methyl-2-Pentanone	9.993	43	2573	1.355	ug/l #	81
76) 1,2,3-Trichloropropane	12.401	75	60162	54.930	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	60162	115.300	ug/l #	12

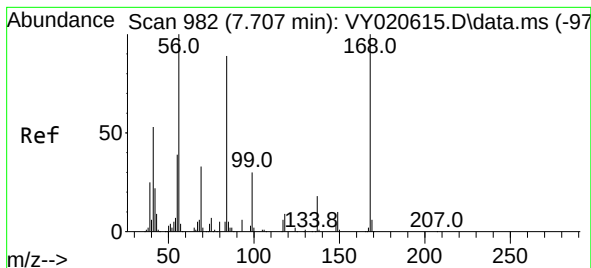
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY020633.D

Acq: 18 Dec 2024 14:07

Instrument :

MSVOA_Y

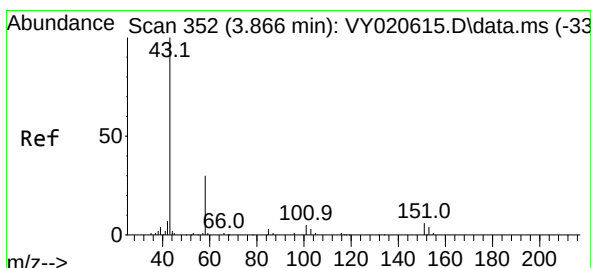
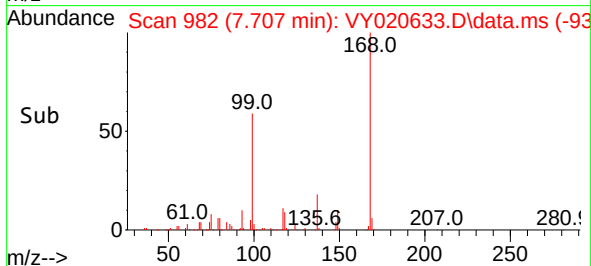
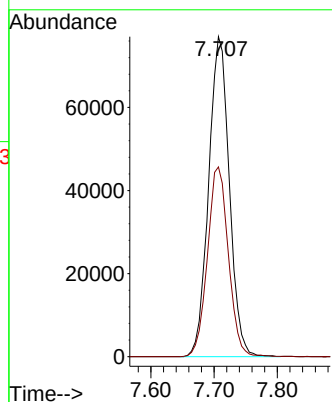
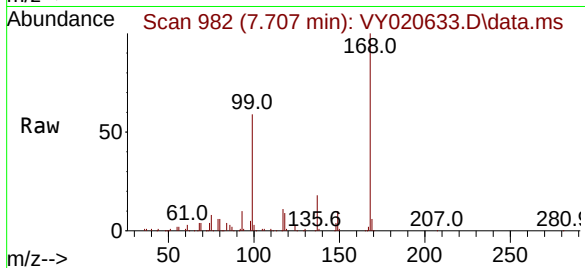
ClientSampleId :

Tgt Ion:168 Resp: 174754

Ion Ratio Lower Upper

168 100

99 59.3 47.0 70.6



#16

Acetone

Concen: 3.506 ug/l

RT: 3.872 min Scan# 353

Delta R.T. 0.006 min

Lab File: VY020633.D

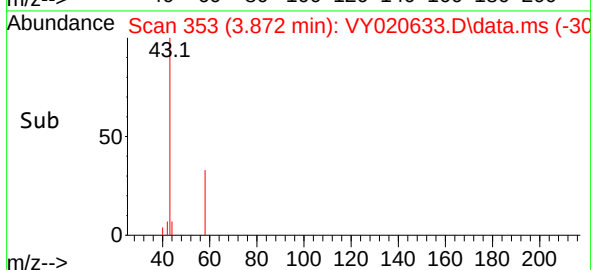
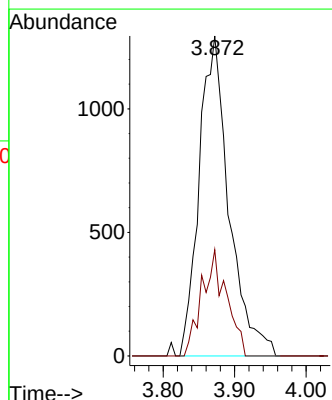
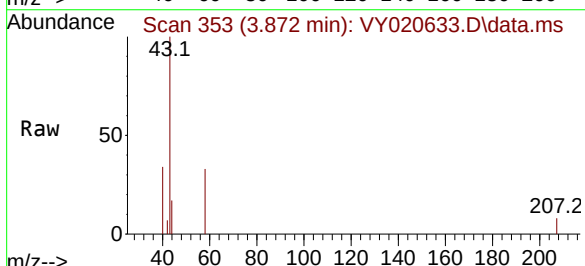
Acq: 18 Dec 2024 14:07

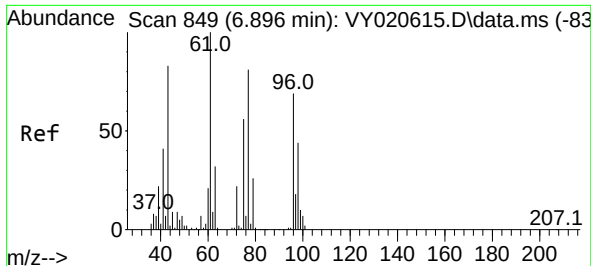
Tgt Ion: 43 Resp: 3746

Ion Ratio Lower Upper

43 100

58 33.2 25.0 37.6





#25

2-Butanone

Concen: 1.639 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY020633.D

Acq: 18 Dec 2024 14:07

Instrument :

MSVOA_Y

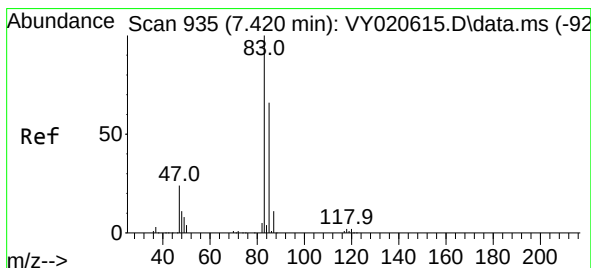
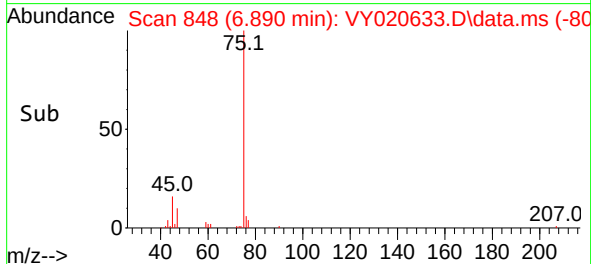
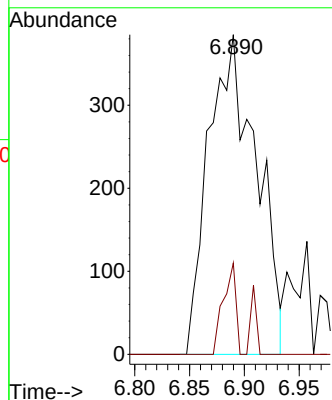
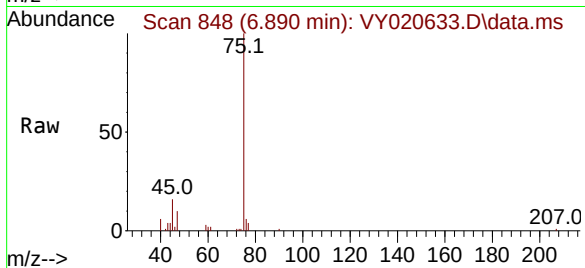
ClientSampleId :

Tgt Ion: 43 Resp: 1166

Ion Ratio Lower Upper

43 100

72 28.6 20.6 31.0



#30

Chloroform

Concen: Below Cal

RT: 7.426 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY020633.D

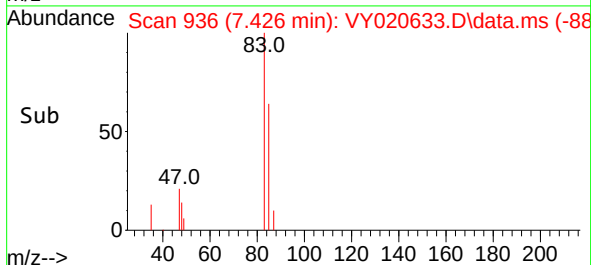
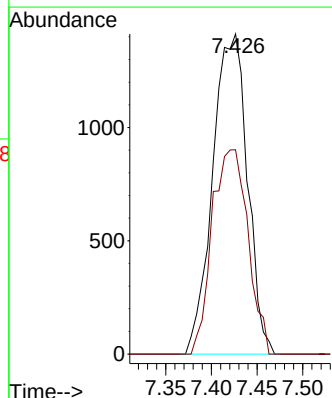
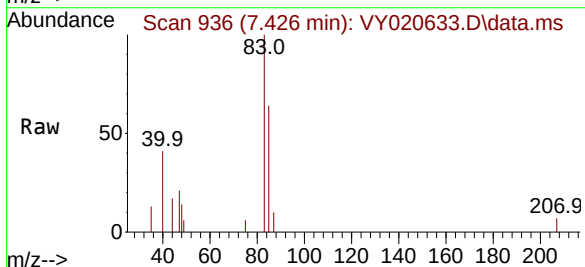
Acq: 18 Dec 2024 14:07

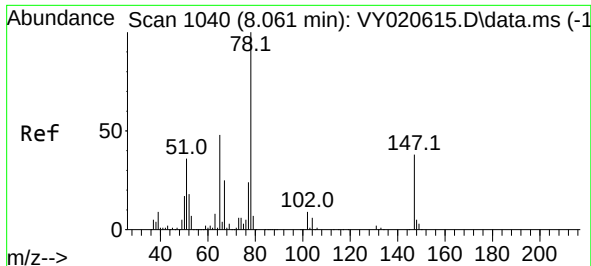
Tgt Ion: 83 Resp: 3727

Ion Ratio Lower Upper

83 100

85 63.8 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 51.496 ug/l

RT: 8.060 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY020633.D

Acq: 18 Dec 2024 14:07

Instrument :

MSVOA_Y

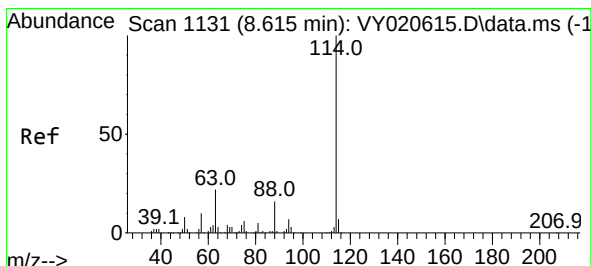
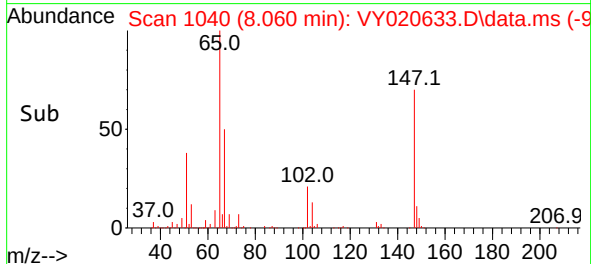
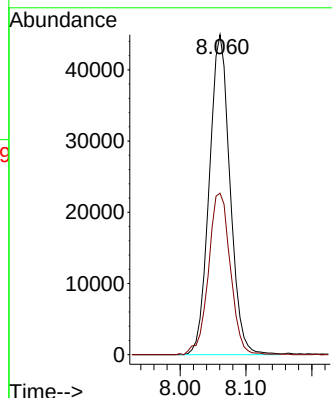
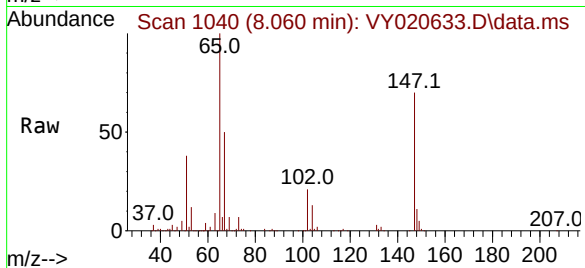
ClientSampleId :

Tgt Ion: 65 Resp: 98559

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY020633.D

Acq: 18 Dec 2024 14:07

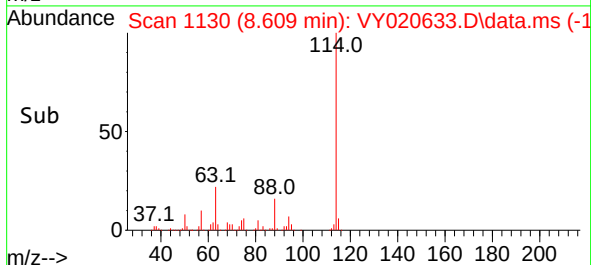
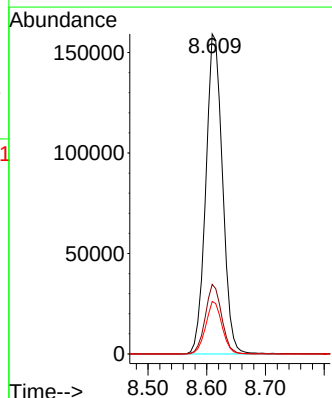
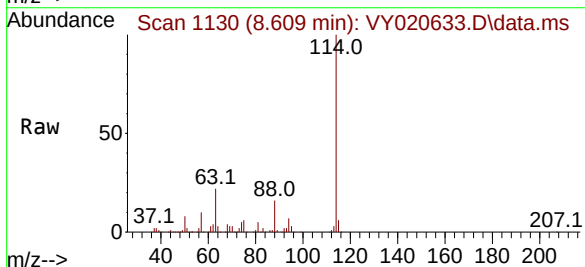
Tgt Ion: 114 Resp: 314435

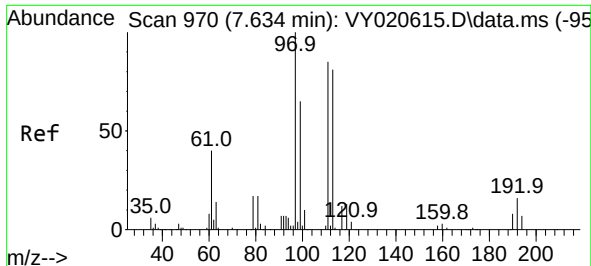
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

88 16.4 0.0 32.8

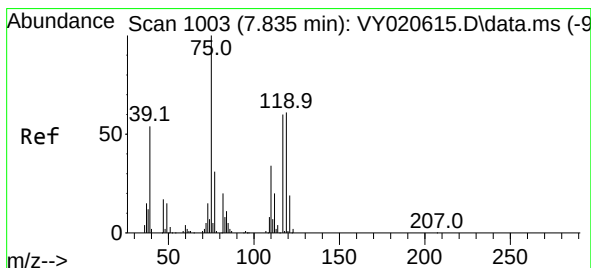
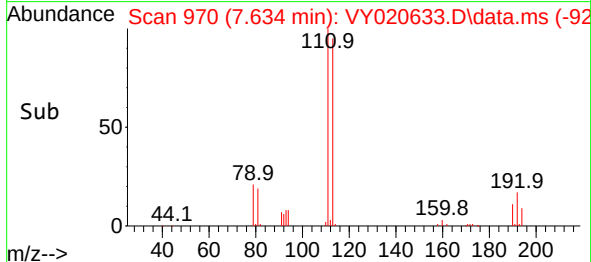
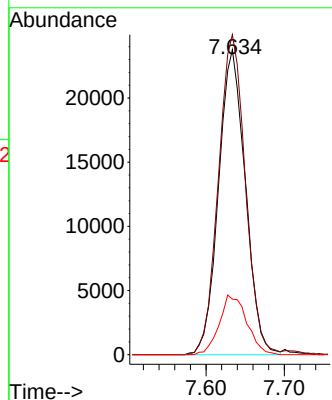
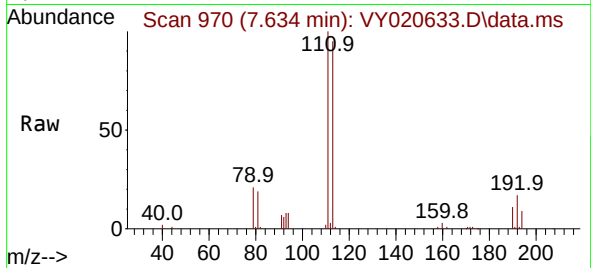




#35
Dibromofluoromethane
Concen: 25.555 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020633.D
Acq: 18 Dec 2024 14:07

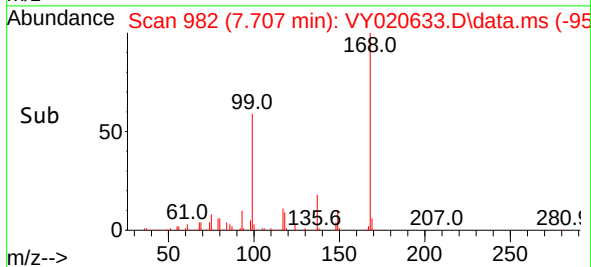
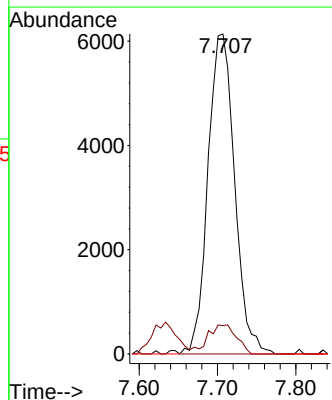
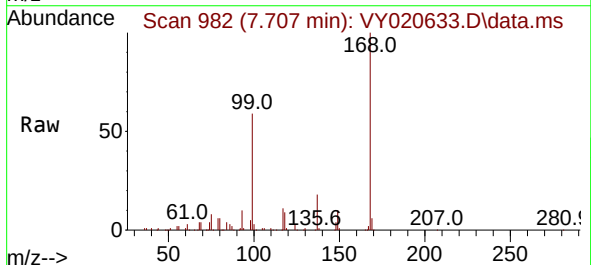
Instrument :
MSVOA_Y
ClientSampleId :

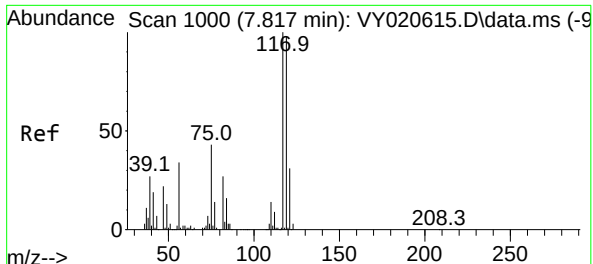
Tgt Ion:113 Resp: 56632
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 20.0 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.594 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020633.D
Acq: 18 Dec 2024 14:07

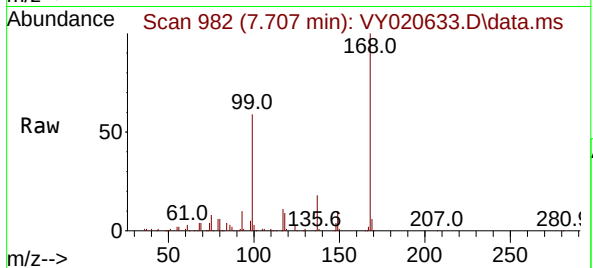
Tgt Ion: 75 Resp: 14521
Ion Ratio Lower Upper
75 100
110 9.2 16.8 50.4#
77 0.0 25.0 37.6#



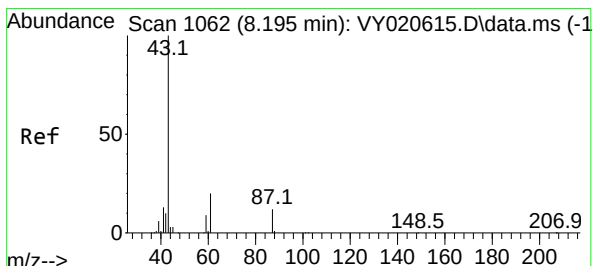
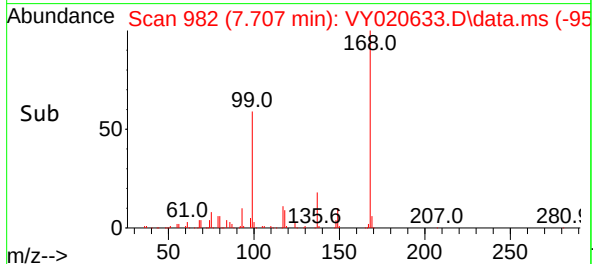
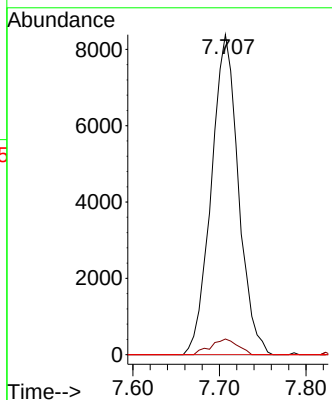


#38
Carbon Tetrachloride
Concen: 4.082 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020633.D
Acq: 18 Dec 2024 14:07

Instrument :
MSVOA_Y
ClientSampleId :

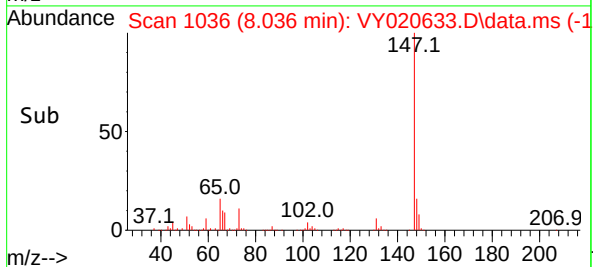
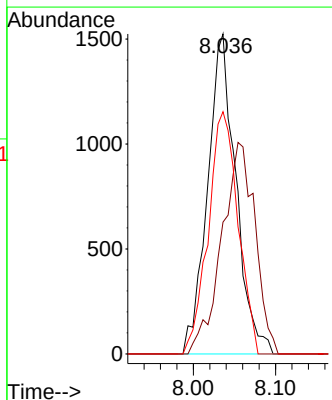
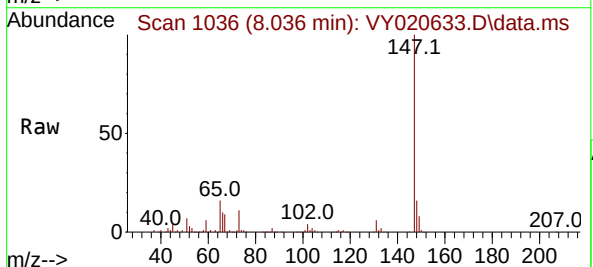


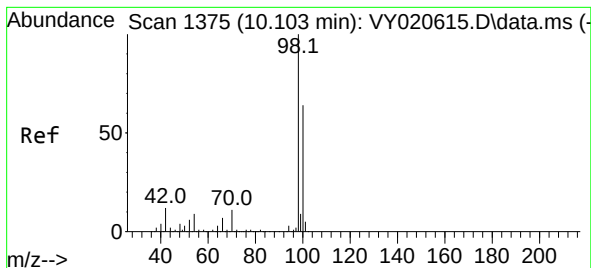
Tgt Ion:117 Resp: 18250
Ion Ratio Lower Upper
117 100
119 4.9 78.3 117.5#
121 0.0 25.1 37.7#



#43
Isopropyl Acetate
Concen: 1.012 ug/l
RT: 8.036 min Scan# 1036
Delta R.T. -0.159 min
Lab File: VY020633.D
Acq: 18 Dec 2024 14:07

Tgt Ion: 43 Resp: 3642
Ion Ratio Lower Upper
43 100
61 77.6 23.8 35.6#
87 79.6 10.2 15.4#





#50

Toluene-d8

Concen: 48.922 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY020633.D

Acq: 18 Dec 2024 14:07

Instrument :

MSVOA_Y

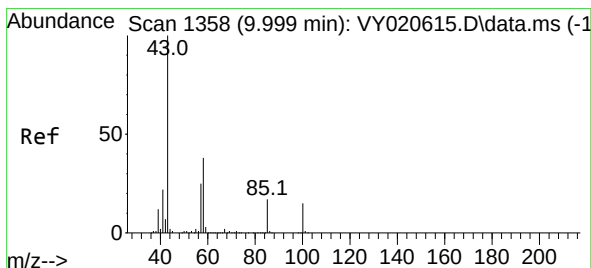
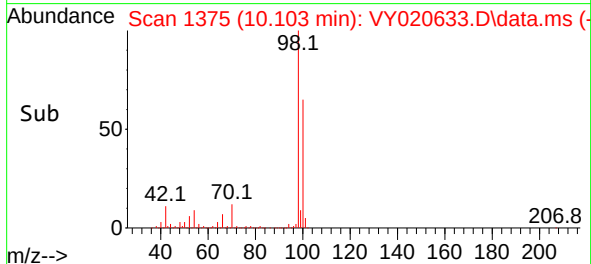
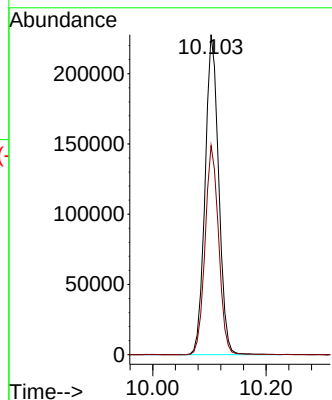
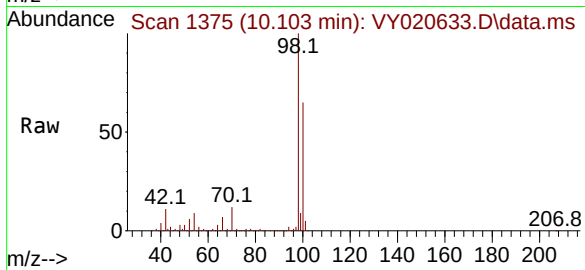
ClientSampleId :

Tgt Ion: 98 Resp: 379466

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.355 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. -0.006 min

Lab File: VY020633.D

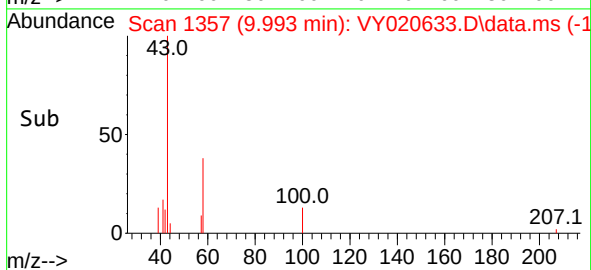
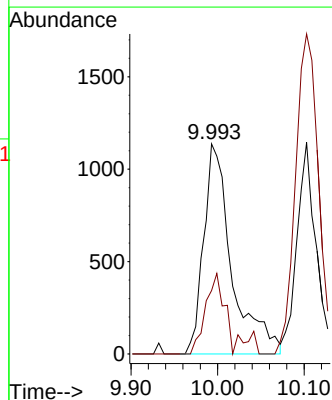
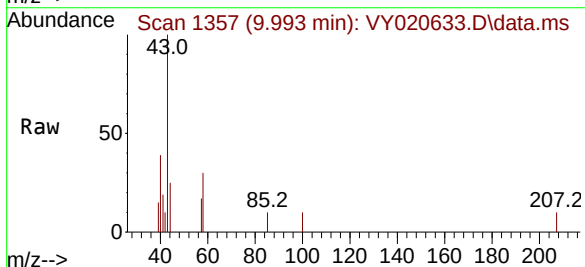
Acq: 18 Dec 2024 14:07

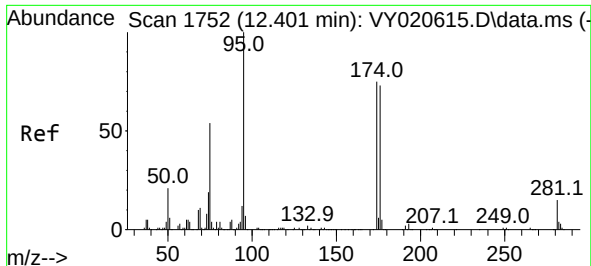
Tgt Ion: 43 Resp: 2573

Ion Ratio Lower Upper

43 100

58 27.6 31.4 47.2#

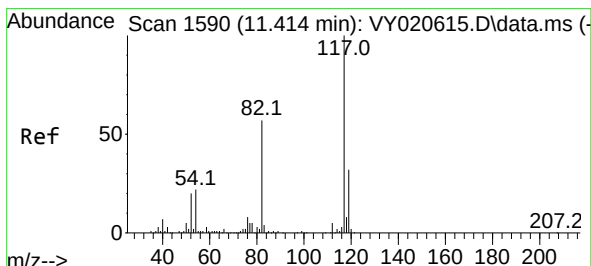
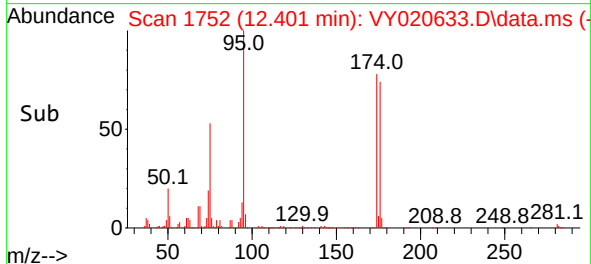
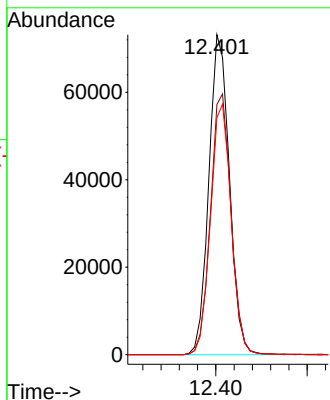
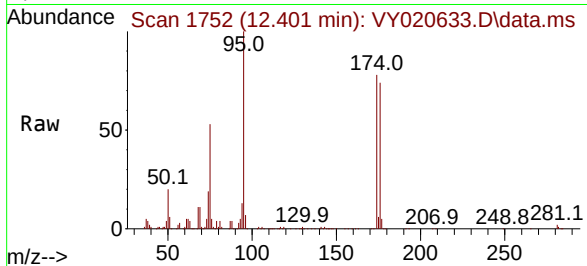




#62
4-Bromofluorobenzene
Concen: 37.563 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020633.D
Acq: 18 Dec 2024 14:07

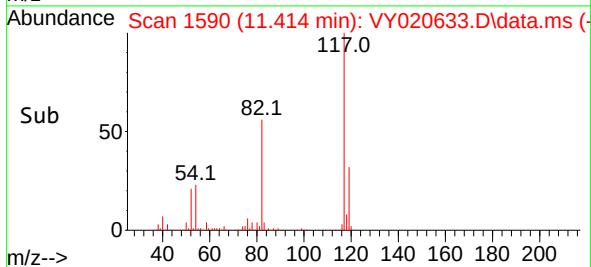
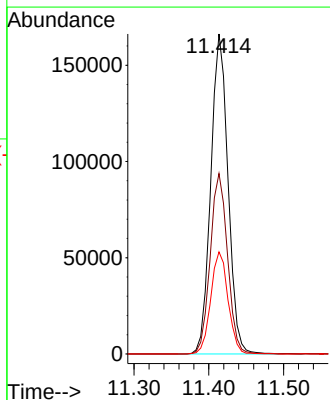
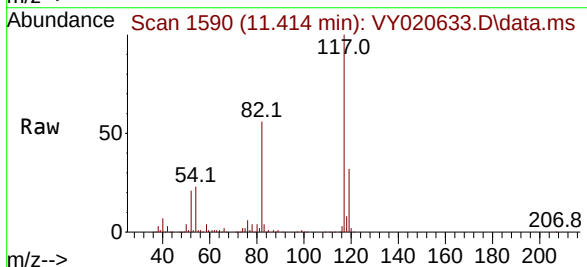
Instrument :
MSVOA_Y
ClientSampleId :

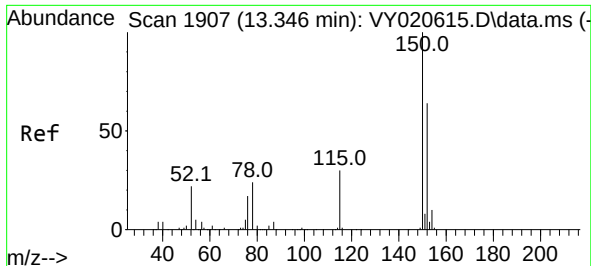
Tgt Ion: 95 Resp: 113972
Ion Ratio Lower Upper
95 100
174 82.0 0.0 161.8
176 78.8 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY020633.D
Acq: 18 Dec 2024 14:07

Tgt Ion: 117 Resp: 266593
Ion Ratio Lower Upper
117 100
82 56.4 45.8 68.6
119 31.9 25.3 37.9

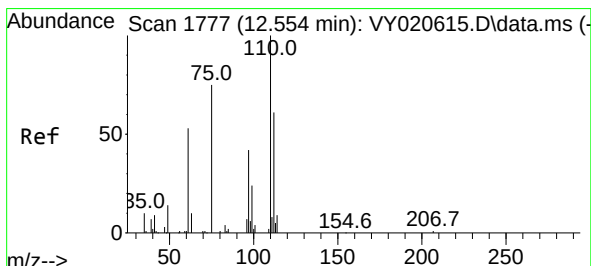
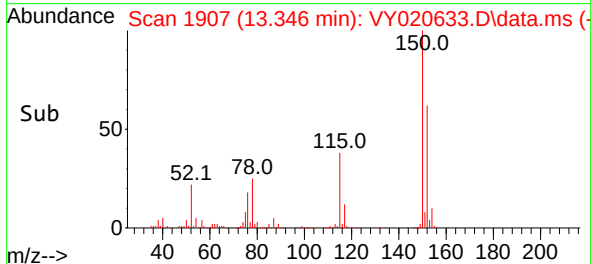
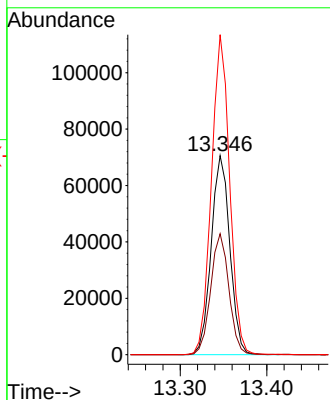
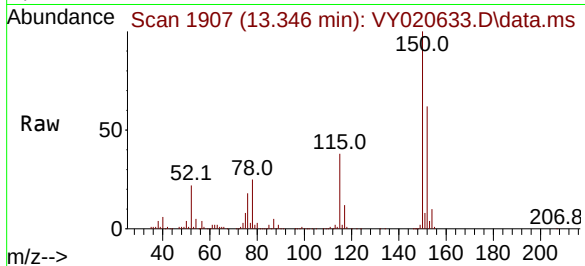




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY020633.D
 Acq: 18 Dec 2024 14:07

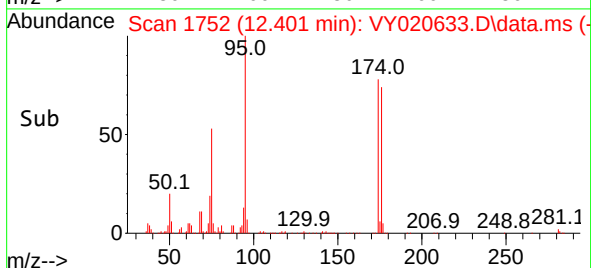
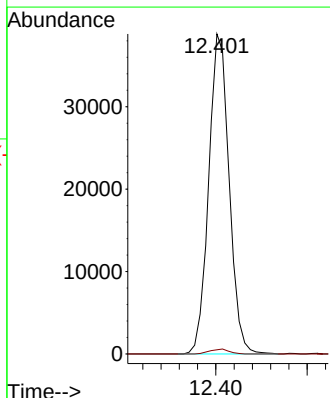
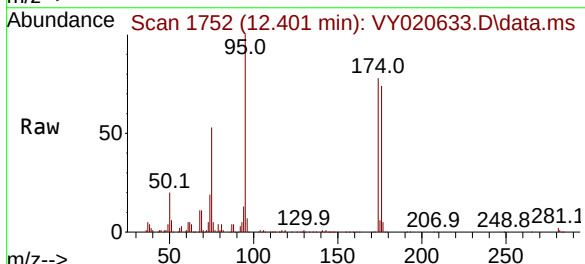
Instrument :
 MSVOA_Y
 ClientSampleId :

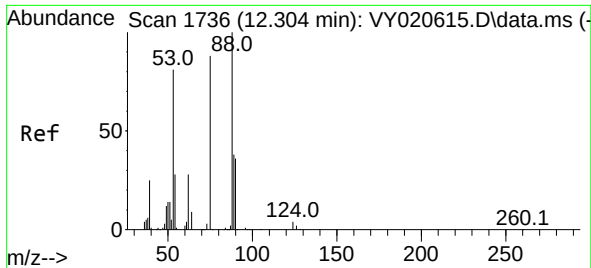
Tgt Ion:152 Resp: 105434
 Ion Ratio Lower Upper
 152 100
 115 59.4 30.2 90.6
 150 157.3 0.0 355.4



#76
 1,2,3-Trichloropropane
 Concen: 54.930 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY020633.D
 Acq: 18 Dec 2024 14:07

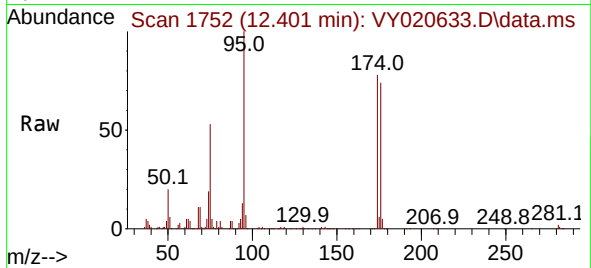
Tgt Ion: 75 Resp: 60162
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.300 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY020633.D
 Acq: 18 Dec 2024 14:07

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.4	113.2#
89	0.1	37.0	55.4#

