

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
 Data File : VY021306.D
 Acq On : 24 Feb 2025 17:23
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 25 01:41:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022425S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 25 01:17:25 2025
 Response via : Initial Calibration

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

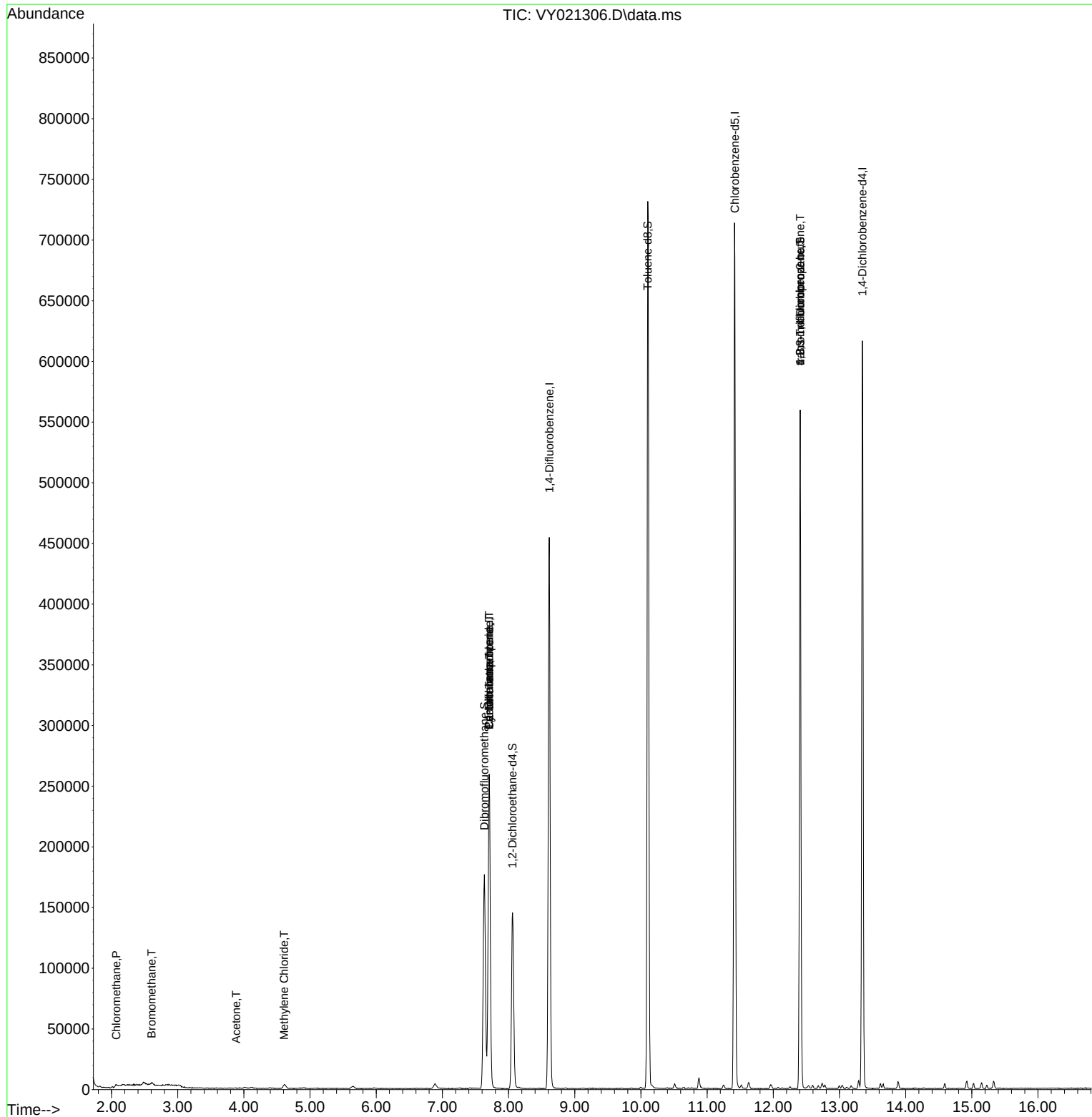
Internal Standards						
1) Pentafluorobenzene	7.707	168	193410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	371707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	360124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117402	57.091	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.180%	
35) Dibromofluoromethane	7.634	113	121132	50.990	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.980%	
50) Toluene-d8	10.103	98	464099	53.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.660%	
62) 4-Bromofluorobenzene	12.407	95	156008	51.909	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	1080	6.301	ug/l	93
5) Bromomethane	2.604	94	1215	1.041	ug/l #	73
13) Acrolein	3.653	56	47	Below Cal	#	73
16) Acetone	3.884	43	687	1.785	ug/l	92
20) Methylene Chloride	4.610	84	2265	1.205	ug/l	88
31) Cyclohexane	7.707	56	4918	1.841	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	16087	5.600	ug/l #	51
38) Carbon Tetrachloride	7.707	117	19984	5.625	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	87462	64.418	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	87462	140.112	ug/l #	10

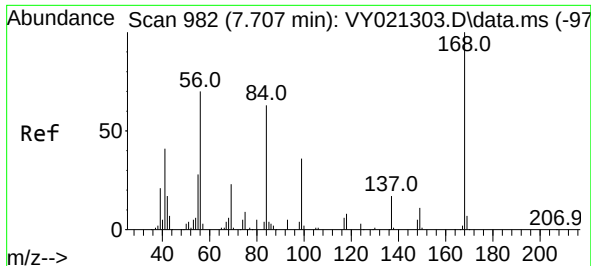
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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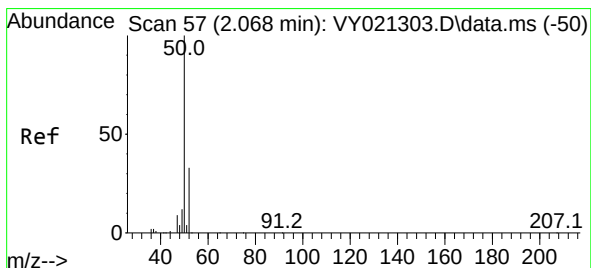
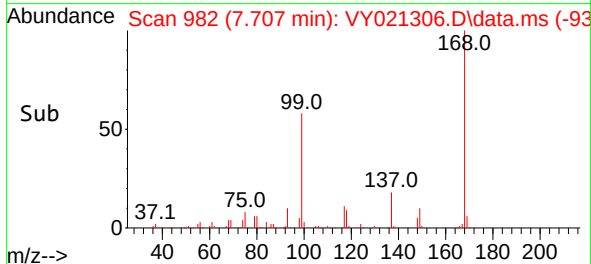
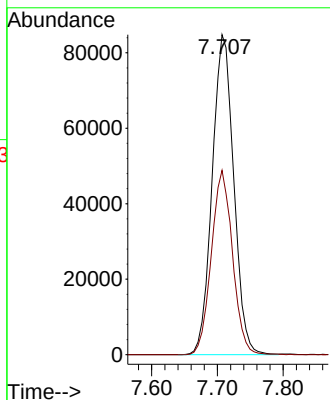
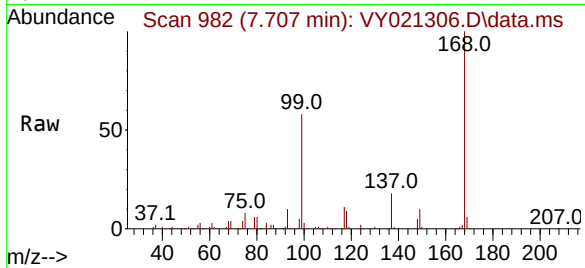




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY021306.D
Acq: 24 Feb 2025 17:23

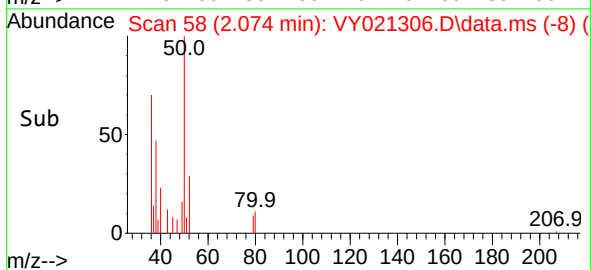
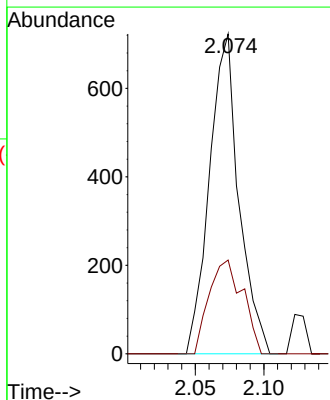
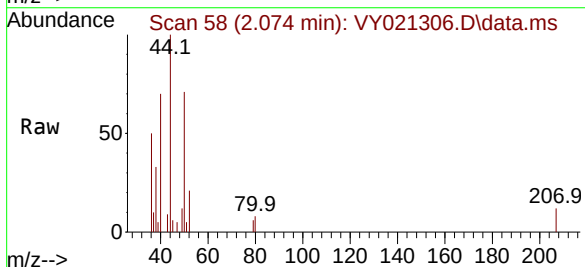
Instrument :
MSVOA_Y
ClientSampleId :

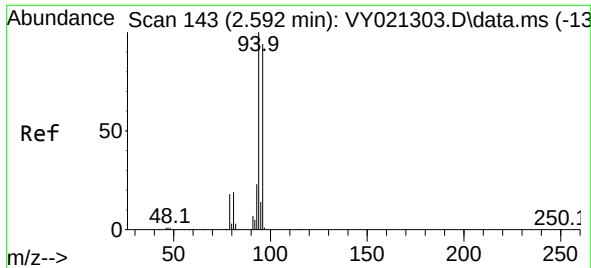
Tgt Ion:168 Resp: 193410
Ion Ratio Lower Upper
168 100
99 57.6 45.0 67.6



#3
Chloromethane
Concen: 6.301 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY021306.D
Acq: 24 Feb 2025 17:23

Tgt Ion: 50 Resp: 1080
Ion Ratio Lower Upper
50 100
52 29.3 26.6 40.0

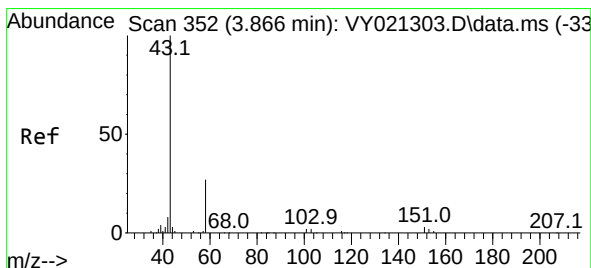
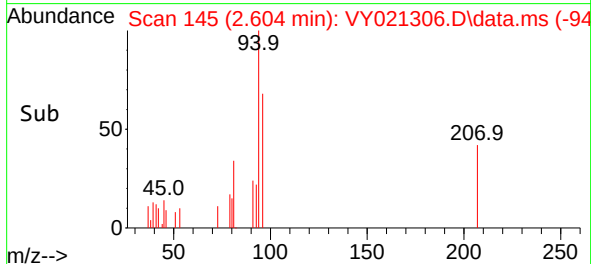
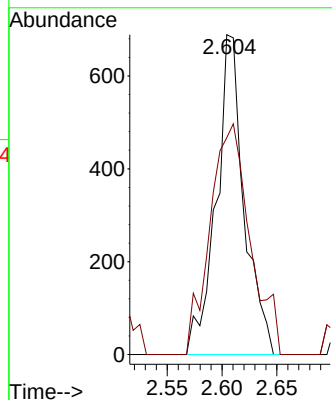
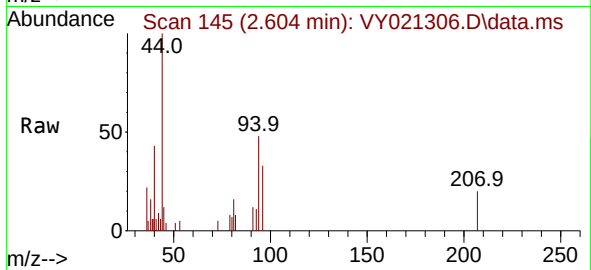




#5
Bromomethane
Concen: 1.041 ug/l
RT: 2.604 min Scan# 143
Delta R.T. 0.012 min
Lab File: VY021306.D
Acq: 24 Feb 2025 17:23

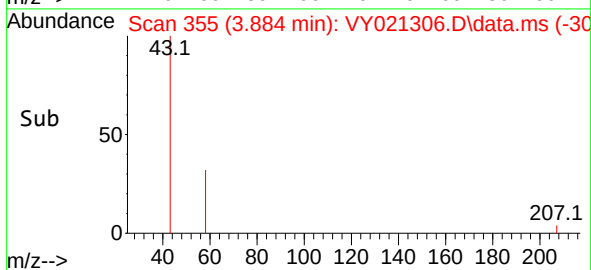
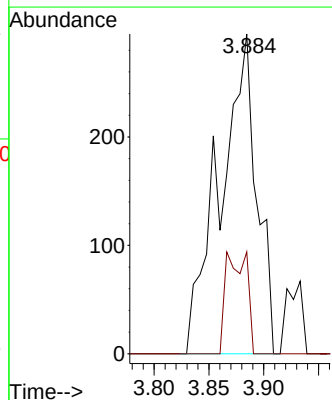
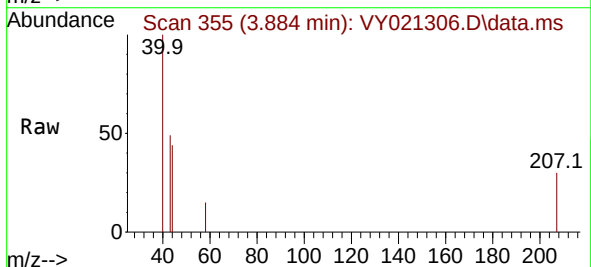
Instrument :
MSVOA_Y
ClientSampleId :

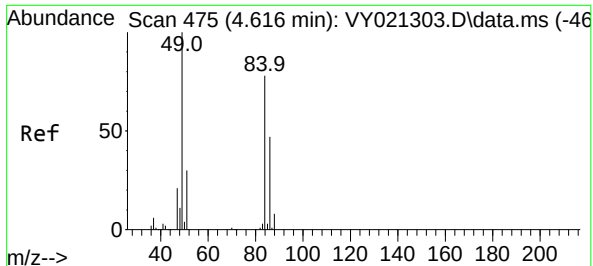
Tgt Ion: 94 Resp: 1215
Ion Ratio Lower Upper
94 100
96 67.8 75.2 112.8#



#16
Acetone
Concen: 1.785 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY021306.D
Acq: 24 Feb 2025 17:23

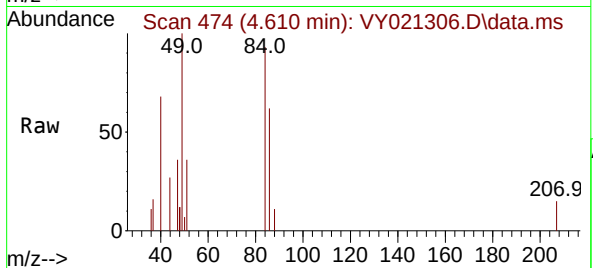
Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
58 31.9 22.3 33.5



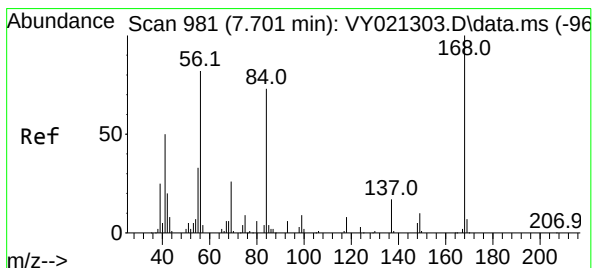
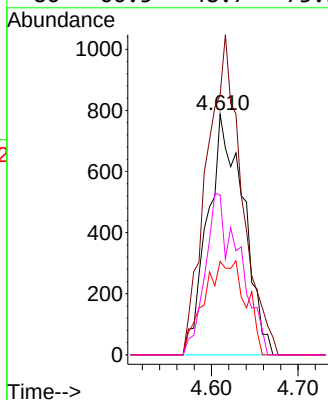
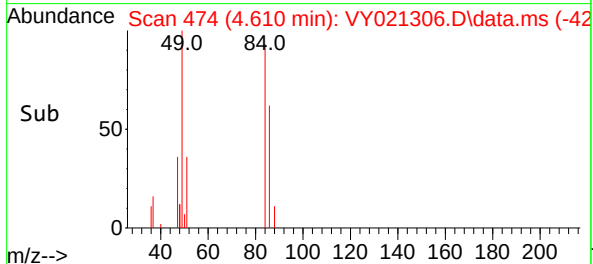


#20
Methylene Chloride
Concen: 1.205 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021306.D
Acq: 24 Feb 2025 17:23

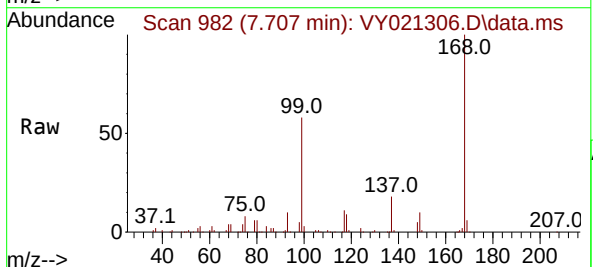
Instrument :
MSVOA_Y
ClientSampleId :



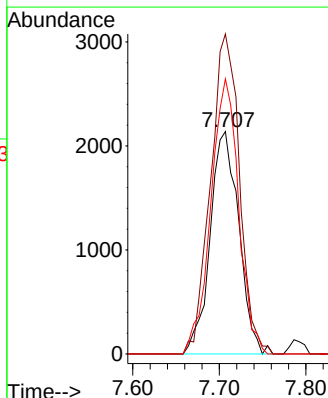
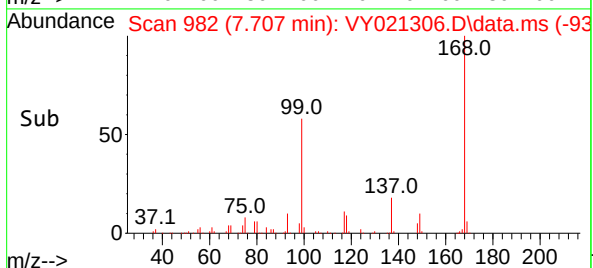
Tgt Ion:	84	Resp:	2265
Ion	Ratio	Lower	Upper
84	100		
49	108.0	102.6	154.0
51	38.9	31.0	46.6
86	66.5	48.7	73.1

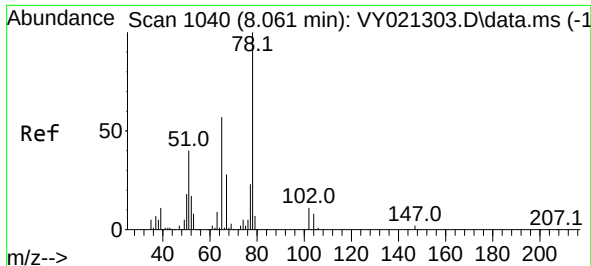


#31
Cyclohexane
Concen: 1.841 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021306.D
Acq: 24 Feb 2025 17:23



Tgt Ion:	56	Resp:	4918
Ion	Ratio	Lower	Upper
56	100		
69	143.9	25.8	38.6#
84	123.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 57.091 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY021306.D

Acq: 24 Feb 2025 17:23

Instrument :

MSVOA_Y

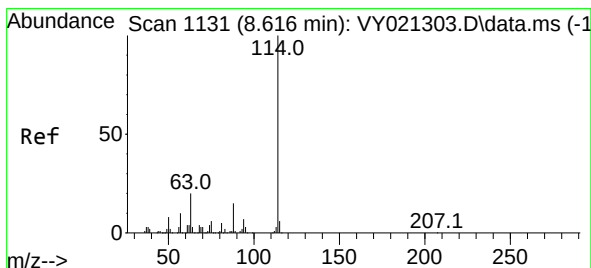
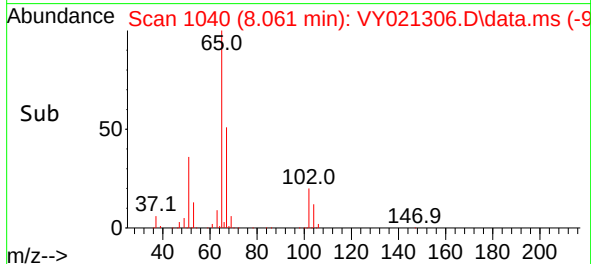
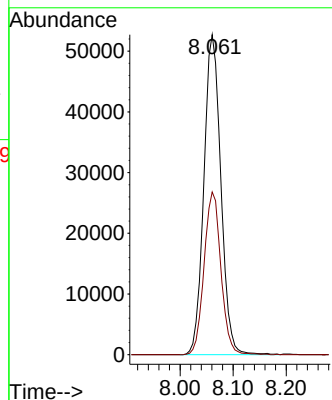
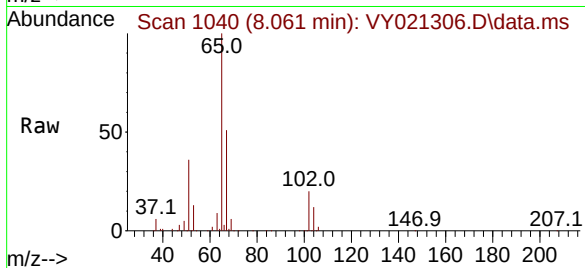
ClientSampleId :

Tgt Ion: 65 Resp: 117402

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021306.D

Acq: 24 Feb 2025 17:23

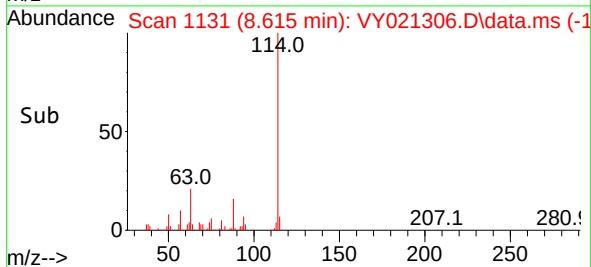
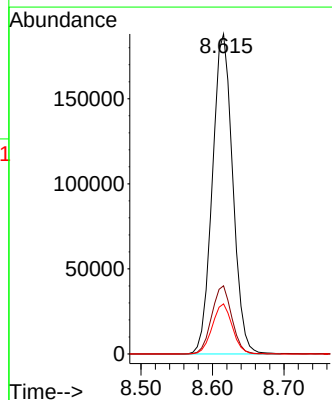
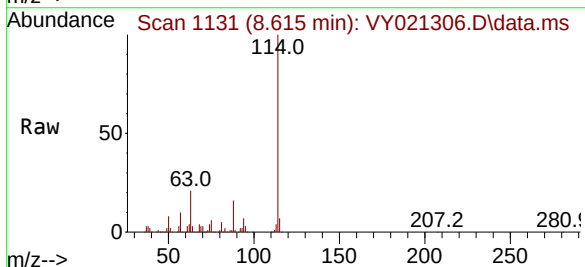
Tgt Ion: 114 Resp: 371707

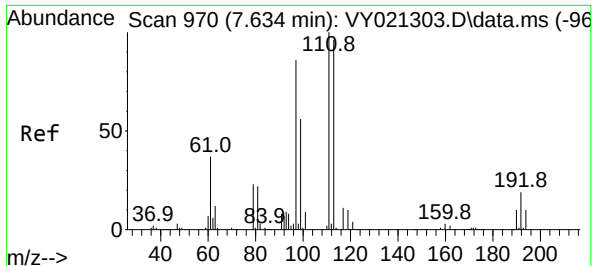
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.0

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.990 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021306.D

Acq: 24 Feb 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

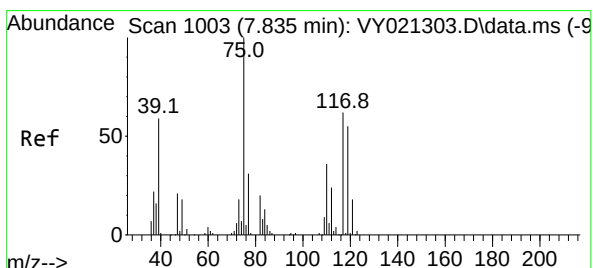
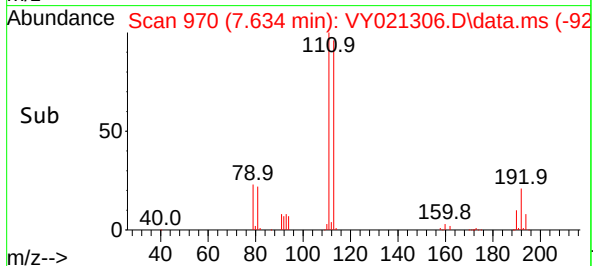
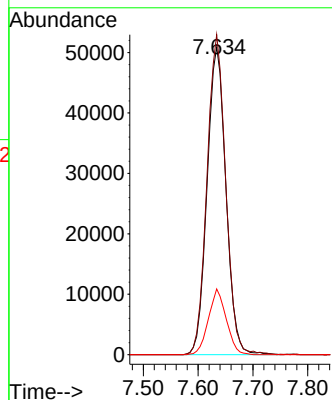
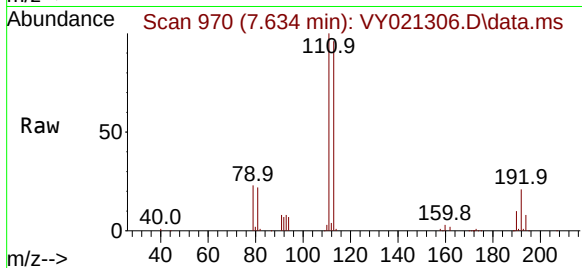
Tgt Ion:113 Resp: 121132

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

192 20.2 15.8 23.8



#36

1,1-Dichloropropene

Concen: 5.600 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021306.D

Acq: 24 Feb 2025 17:23

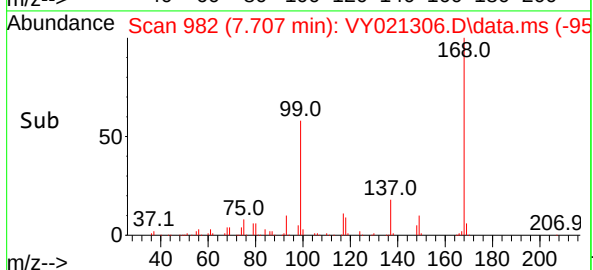
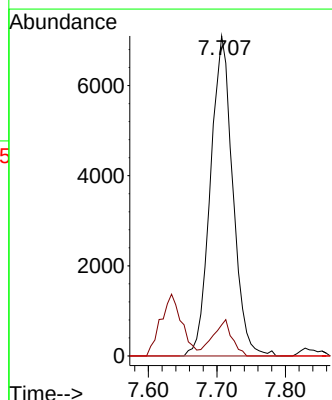
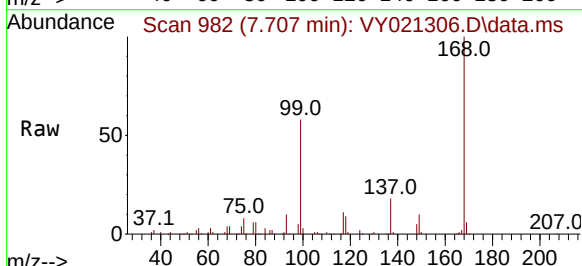
Tgt Ion: 75 Resp: 16087

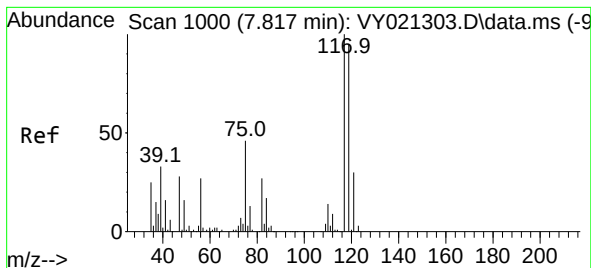
Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.625 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY021306.D

Acq: 24 Feb 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

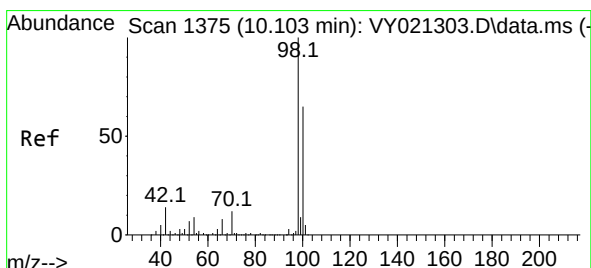
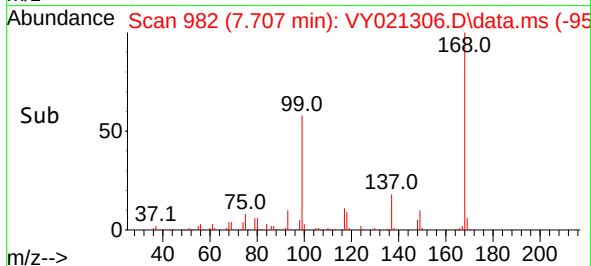
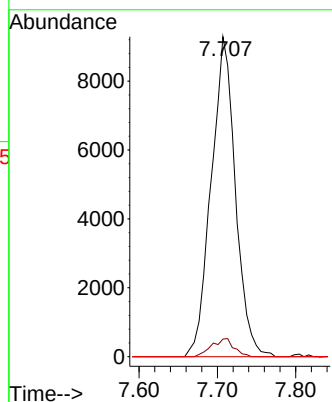
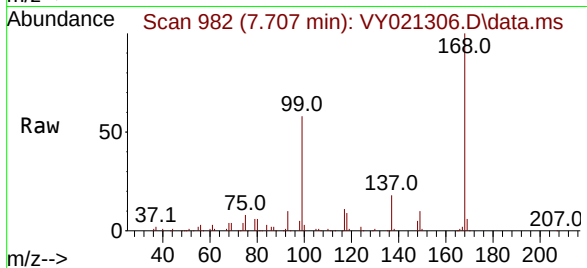
Tgt Ion:117 Resp: 19984

Ion Ratio Lower Upper

117 100

119 5.5 76.0 114.0#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 53.330 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY021306.D

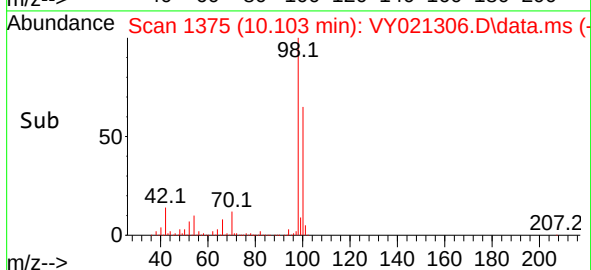
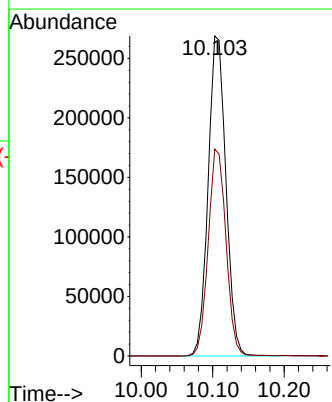
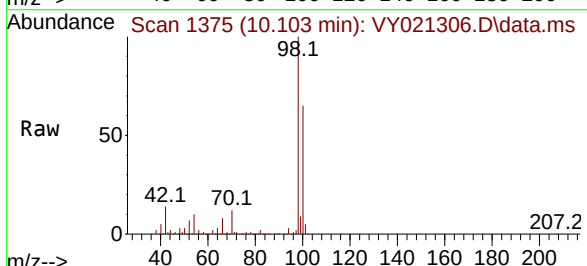
Acq: 24 Feb 2025 17:23

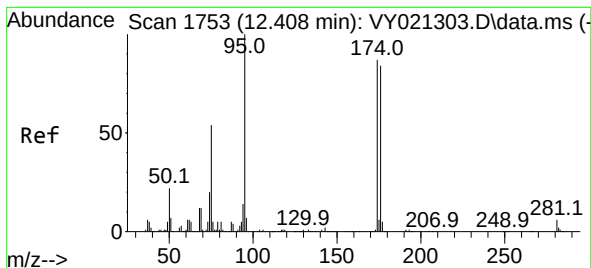
Tgt Ion: 98 Resp: 464099

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 51.909 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021306.D

Acq: 24 Feb 2025 17:23

Instrument :

MSVOA_Y

ClientSampleId :

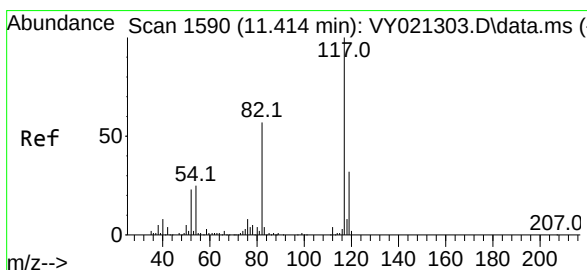
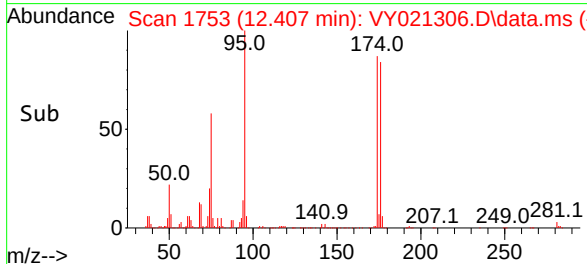
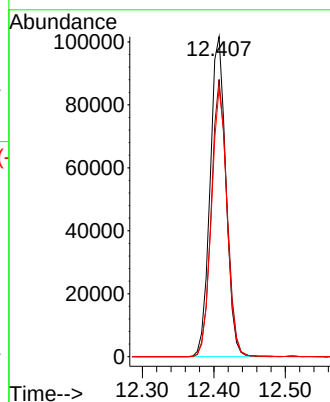
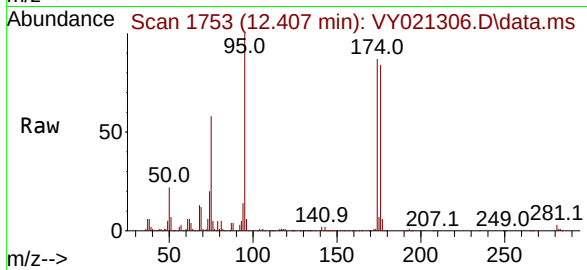
Tgt Ion: 95 Resp: 156008

Ion Ratio Lower Upper

95 100

174 85.8 0.0 168.2

176 82.6 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY021306.D

Acq: 24 Feb 2025 17:23

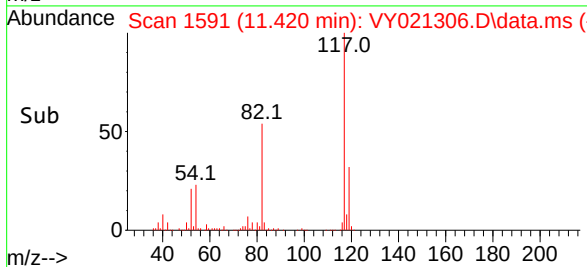
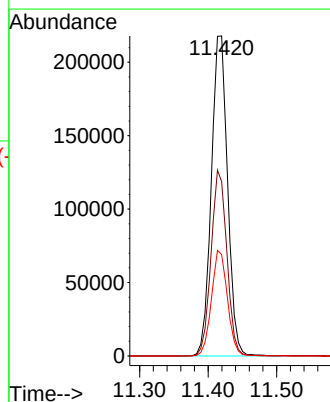
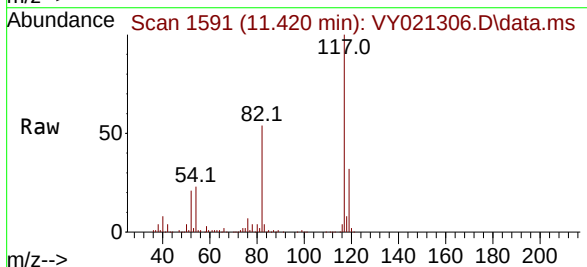
Tgt Ion: 117 Resp: 360124

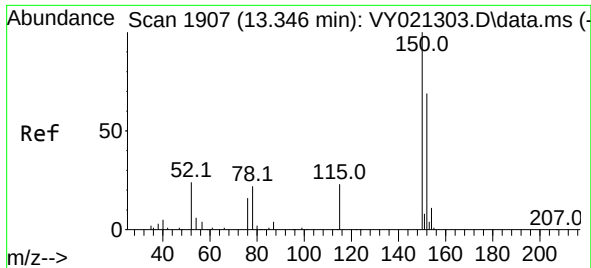
Ion Ratio Lower Upper

117 100

82 54.5 45.6 68.4

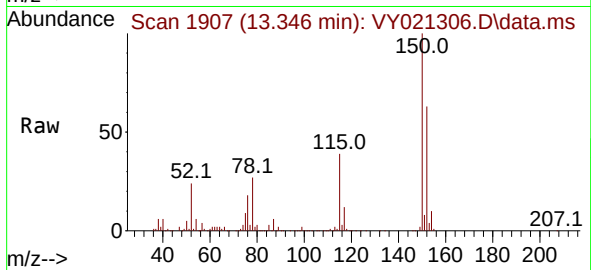
119 31.7 25.4 38.2



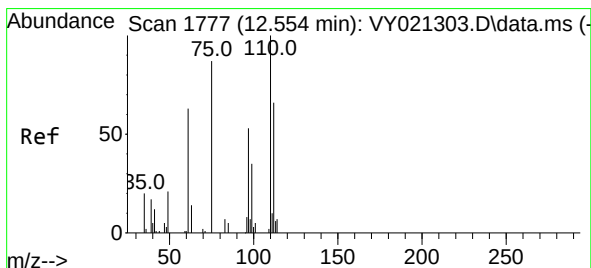
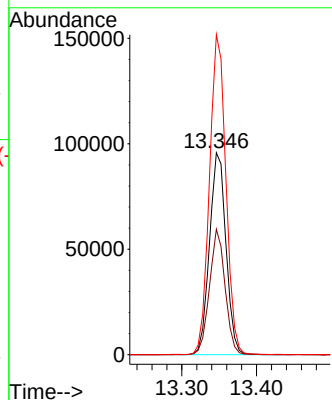
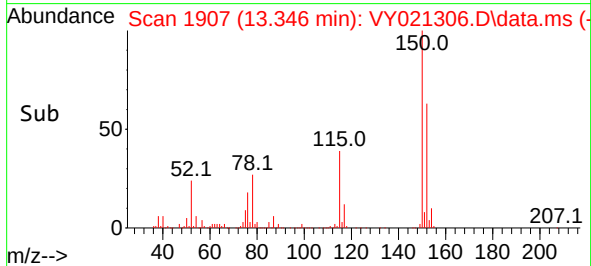


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021306.D
 Acq: 24 Feb 2025 17:23

Instrument :
 MSVOA_Y
 ClientSampleId :

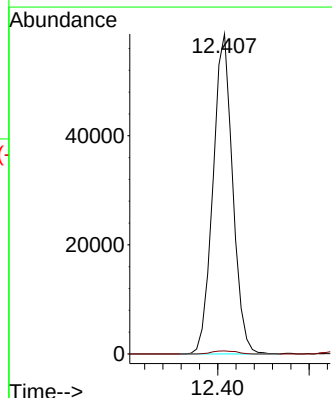
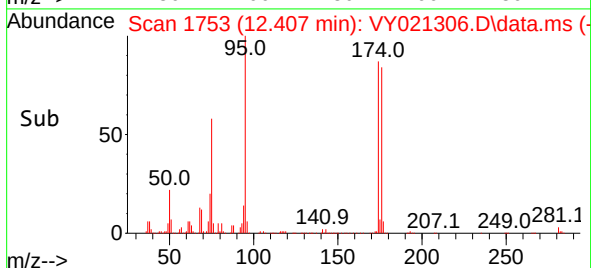
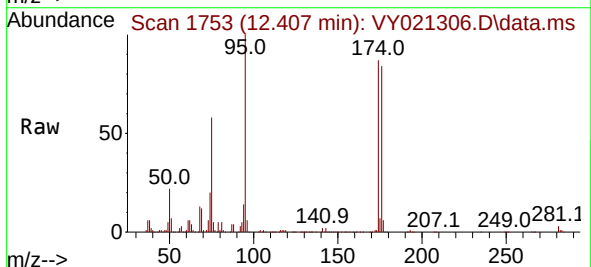


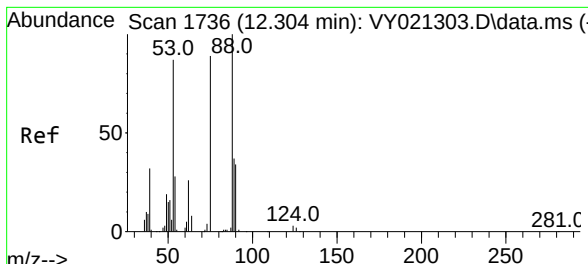
Tgt Ion:152 Resp: 146636
 Ion Ratio Lower Upper
 152 100
 115 58.8 29.0 87.1
 150 157.2 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 64.418 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021306.D
 Acq: 24 Feb 2025 17:23

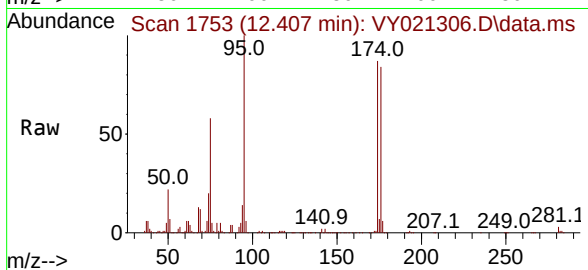
Tgt Ion: 75 Resp: 87462
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.112 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021306.D
 Acq: 24 Feb 2025 17:23

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	79.8	119.8#
89	0.1	36.4	54.6#

