

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020866.D
 Acq On : 17 Jan 2025 19:27
 Operator : SY/MD
 Sample : Q1133-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:30:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

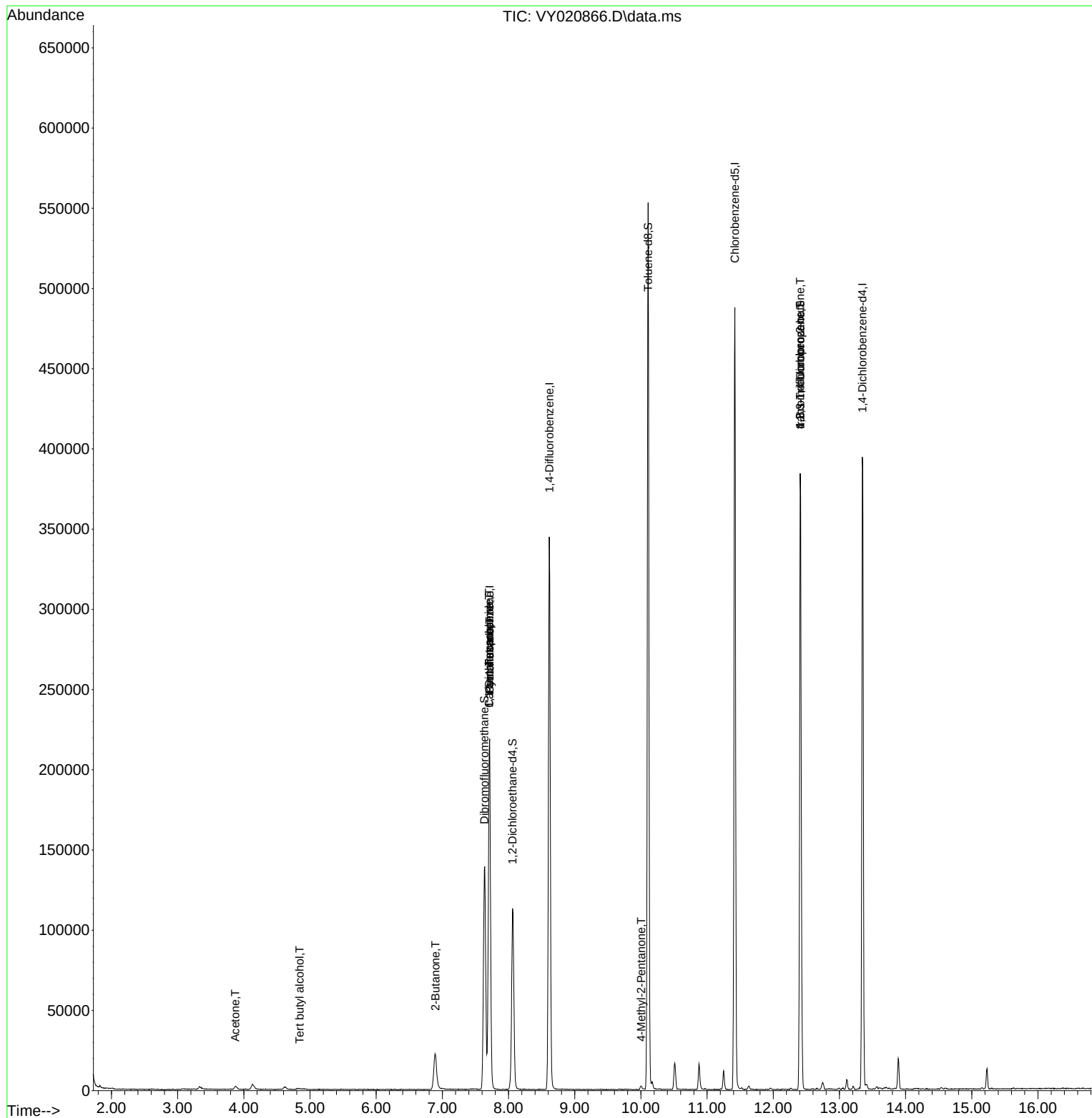
Internal Standards						
1) Pentafluorobenzene	7.713	168	178254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	272454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	107541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90828	59.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.900%	
35) Dibromofluoromethane	7.634	113	99998	51.951	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.109	98	365568	54.480	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.960%	
62) 4-Bromofluorobenzene	12.408	95	110147	44.451	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 88.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	803	7.014	ug/l #	73
16) Acetone	3.873	43	3865	17.939	ug/l	95
25) 2-Butanone	6.896	43	1484	4.193	ug/l #	67
31) Cyclohexane	7.713	56	2874	1.304	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	12388	5.046	ug/l #	50
38) Carbon Tetrachloride	7.707	117	16623	4.864	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	1674	1.686	ug/l	89
76) 1,2,3-Trichloropropane	12.408	75	54935	58.382	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	54935	123.100	ug/l #	14

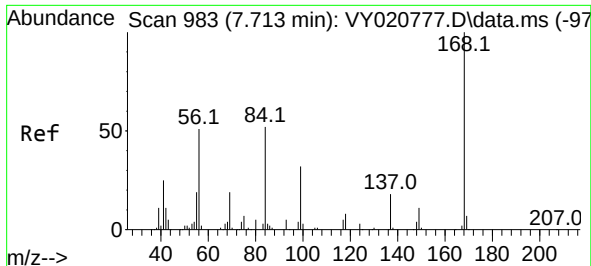
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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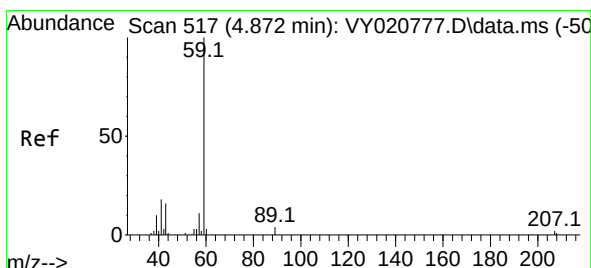
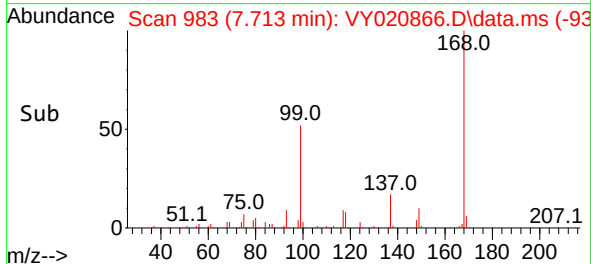
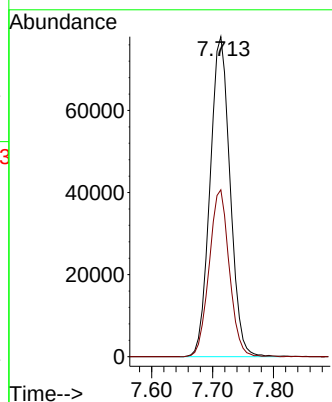
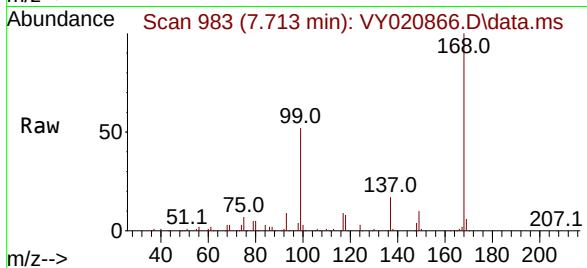




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

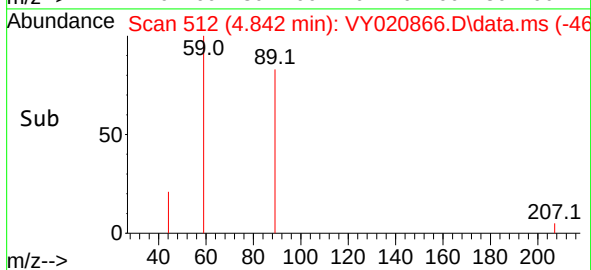
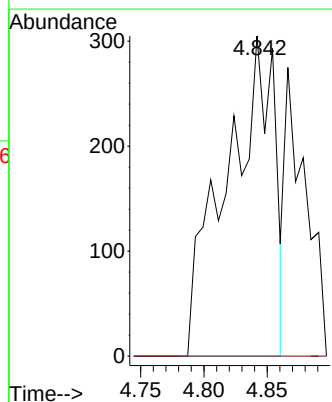
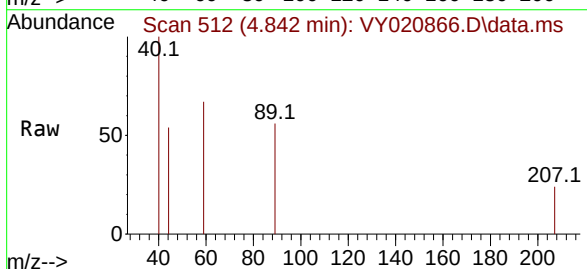
Instrument :
MSVOA_Y
ClientSampleId :

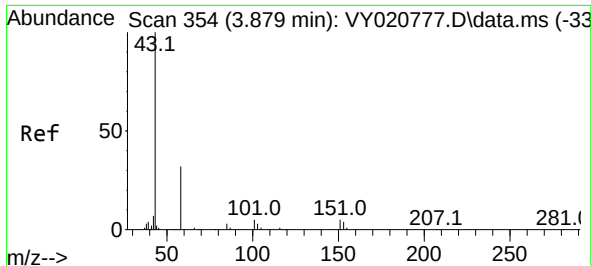
Tgt Ion:168 Resp: 178254
Ion Ratio Lower Upper
168 100
99 52.2 44.3 66.5



#11
Tert butyl alcohol
Concen: 7.014 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

Tgt Ion: 59 Resp: 803
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

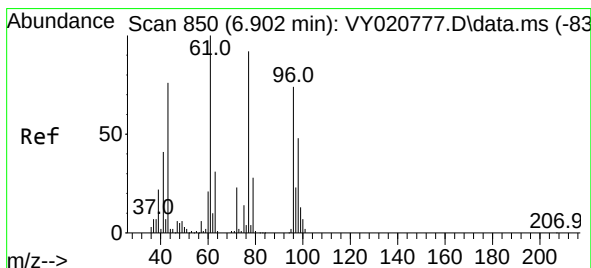
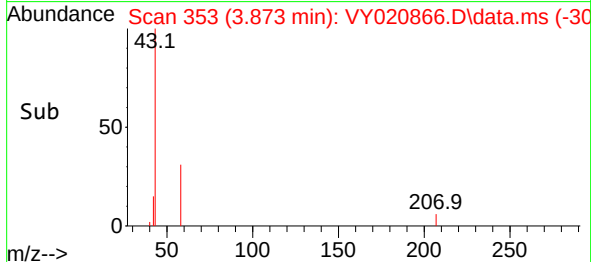
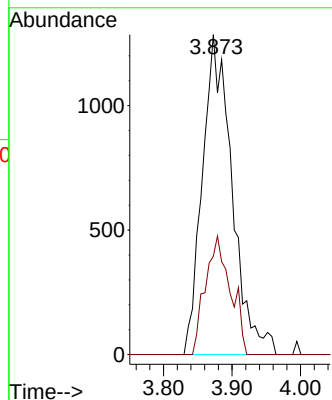
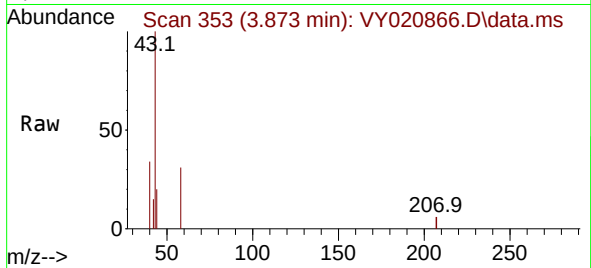




#16
Acetone
Concen: 17.939 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

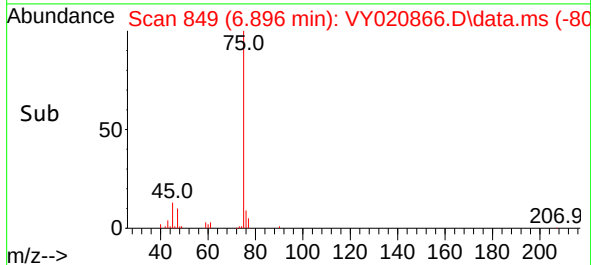
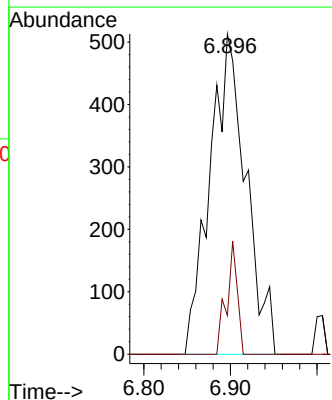
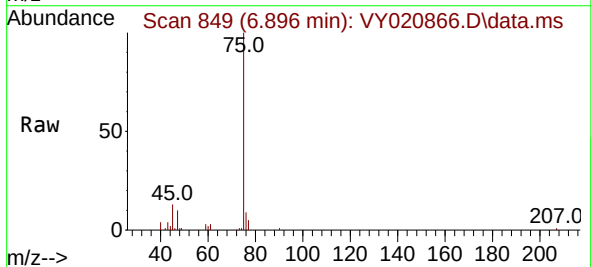
Instrument :
MSVOA_Y
ClientSampleId :

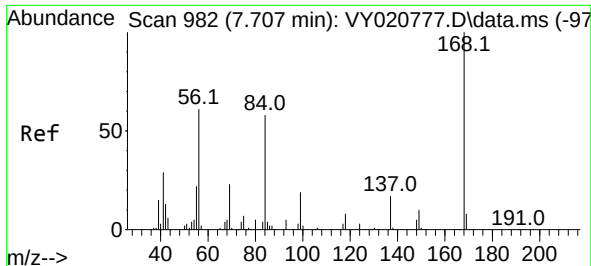
Tgt Ion: 43 Resp: 3865
Ion Ratio Lower Upper
43 100
58 30.7 26.7 40.1



#25
2-Butanone
Concen: 4.193 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

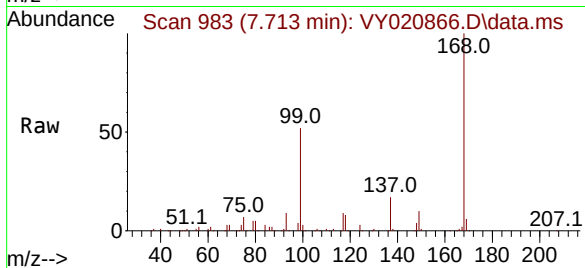
Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
72 12.1 24.0 36.0#



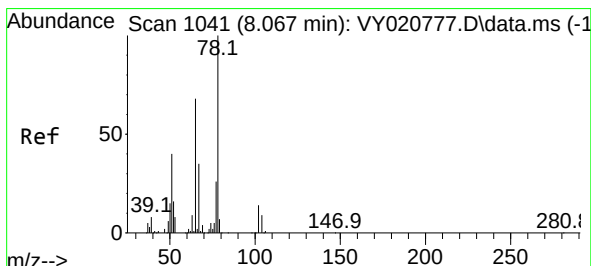
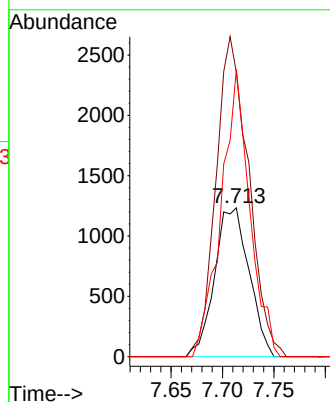
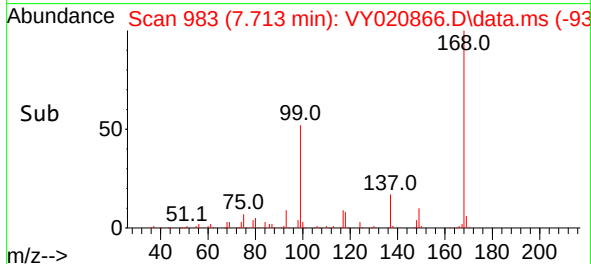


#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

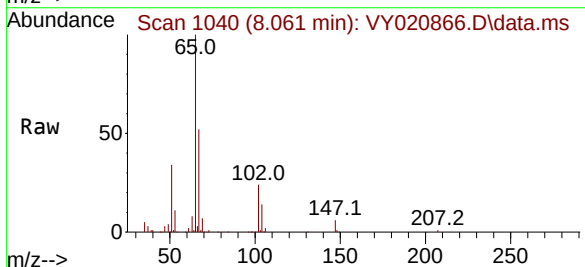
Instrument :
MSVOA_Y
ClientSampleId :



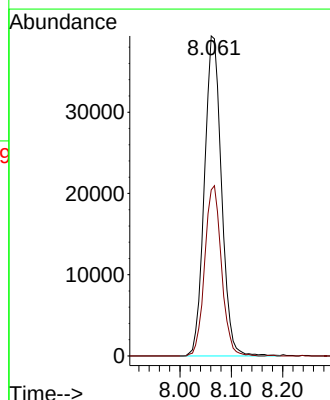
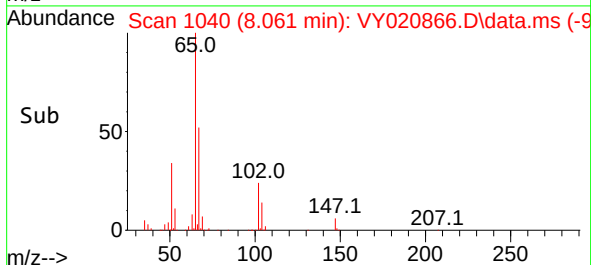
Tgt Ion: 56 Resp: 2874
Ion Ratio Lower Upper
56 100
69 191.0 30.5 45.7#
84 193.0 76.6 115.0#

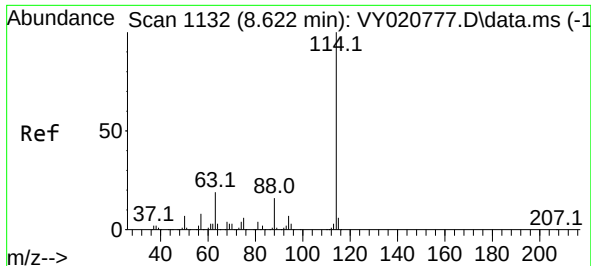


#33
1,2-Dichloroethane-d4
Concen: 59.949 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27



Tgt Ion: 65 Resp: 90828
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020866.D

Acq: 17 Jan 2025 19:27

Instrument :

MSVOA_Y

ClientSampleId :

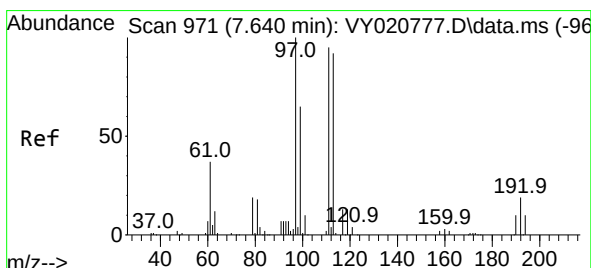
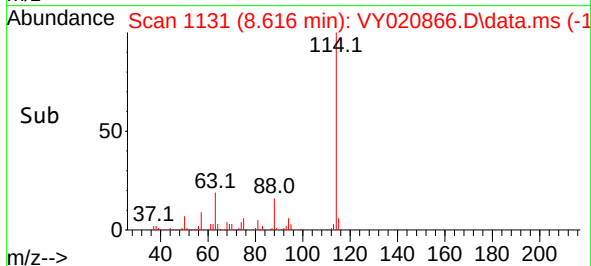
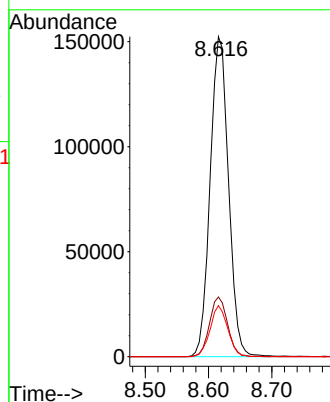
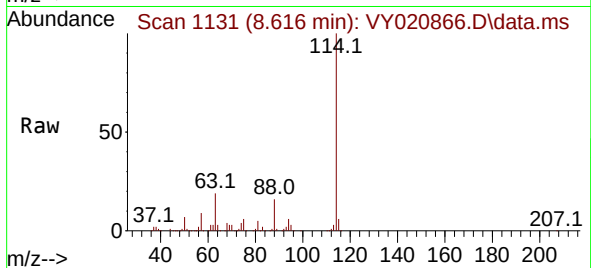
Tgt Ion:114 Resp: 307245

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 16.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.951 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY020866.D

Acq: 17 Jan 2025 19:27

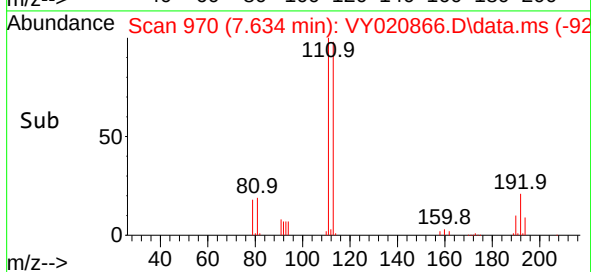
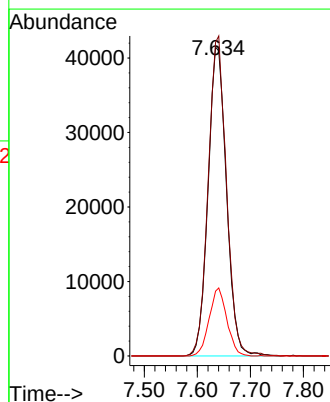
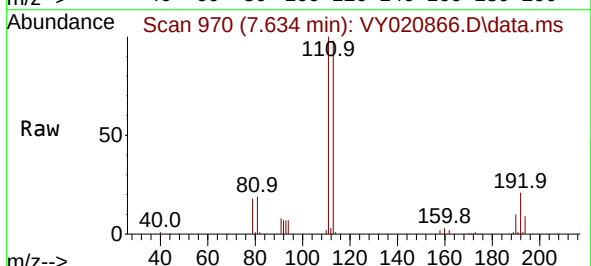
Tgt Ion:113 Resp: 99998

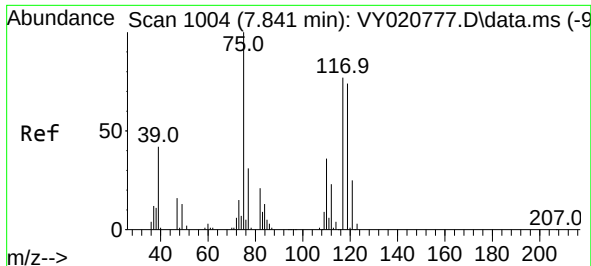
Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

192 21.1 16.7 25.1

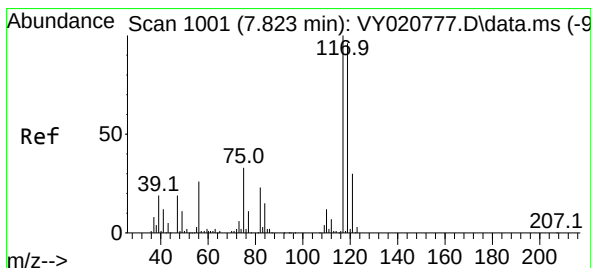
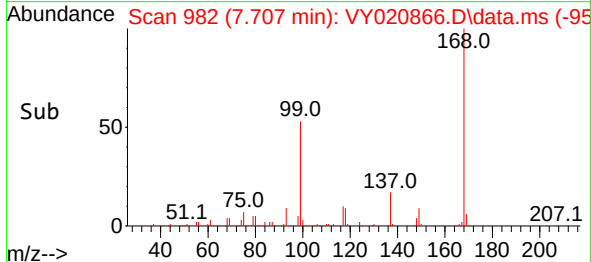
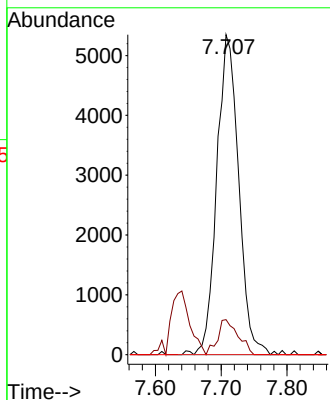
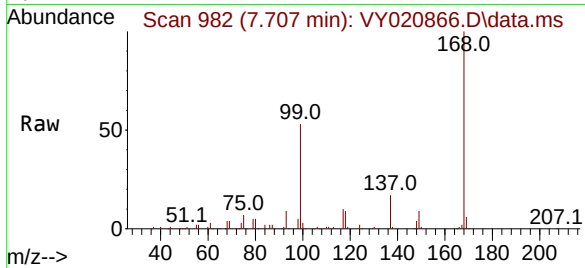




#36
1,1-Dichloropropene
Concen: 5.046 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

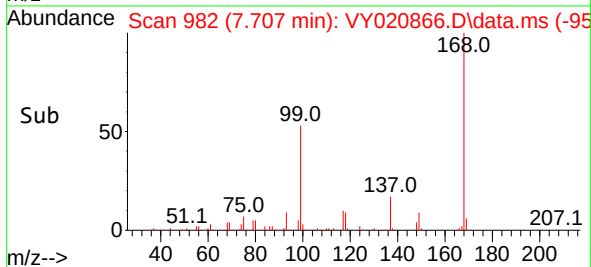
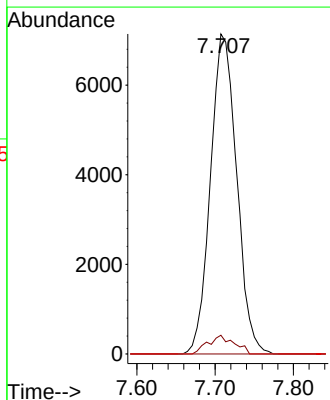
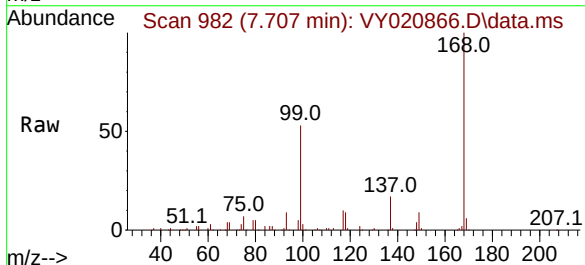
Instrument :
MSVOA_Y
ClientSampleId :

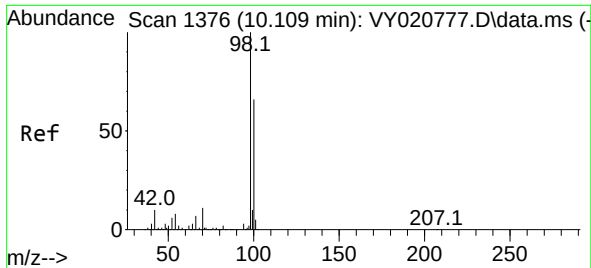
Tgt Ion: 75 Resp: 12388
Ion Ratio Lower Upper
75 100
110 10.2 18.5 55.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.864 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

Tgt Ion: 117 Resp: 16623
Ion Ratio Lower Upper
117 100
119 5.9 76.5 114.7#
121 0.0 24.3 36.5#

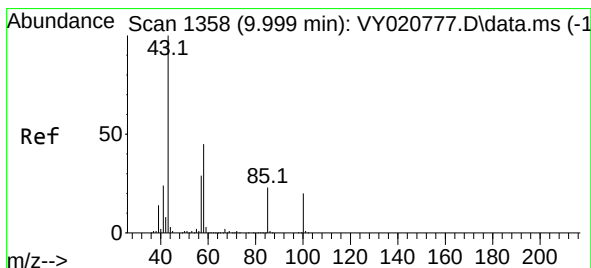
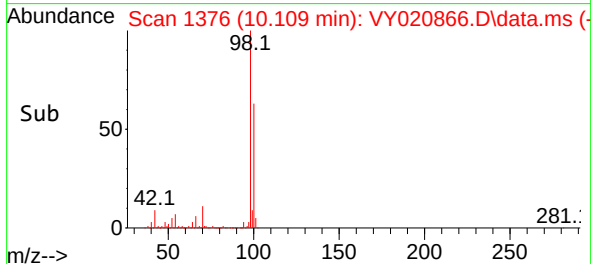
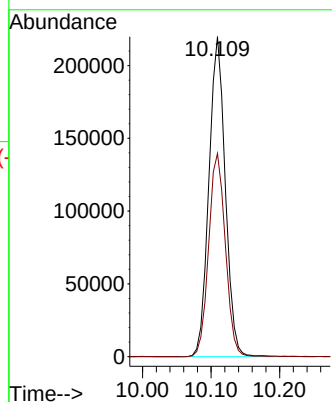
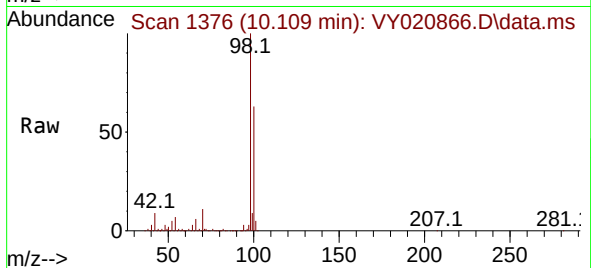




#50
Toluene-d8
Concen: 54.480 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

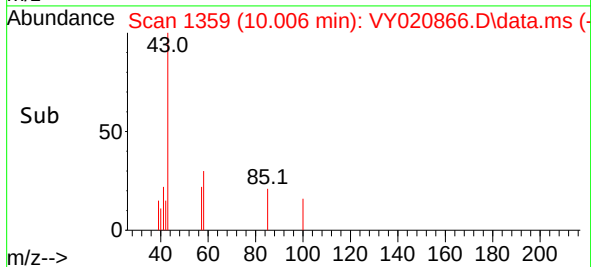
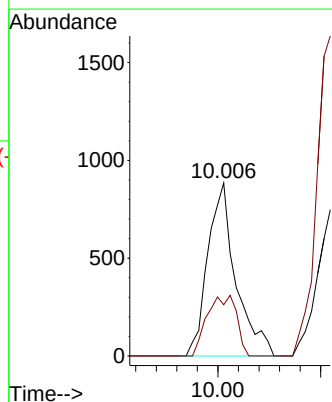
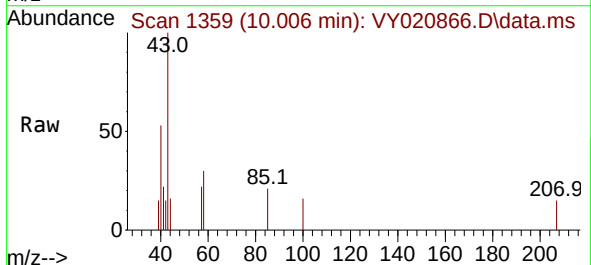
Instrument :
MSVOA_Y
ClientSampleId :

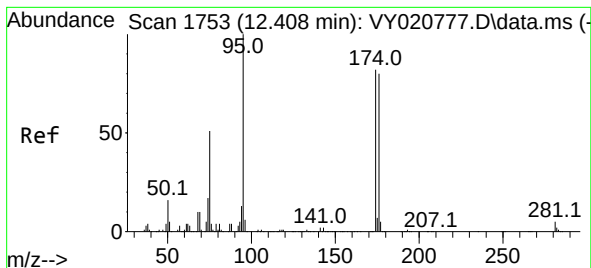
Tgt Ion: 98 Resp: 365568
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.686 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

Tgt Ion: 43 Resp: 1674
Ion Ratio Lower Upper
43 100
58 36.6 34.8 52.2

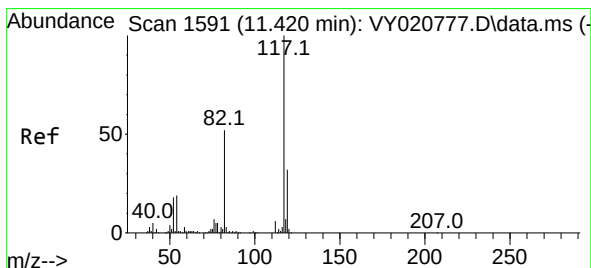
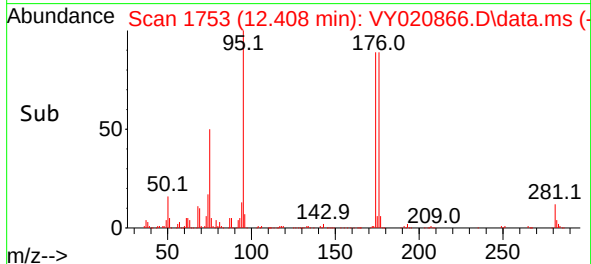
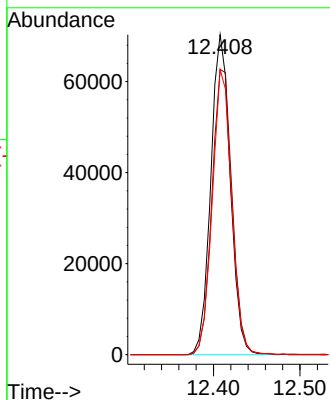
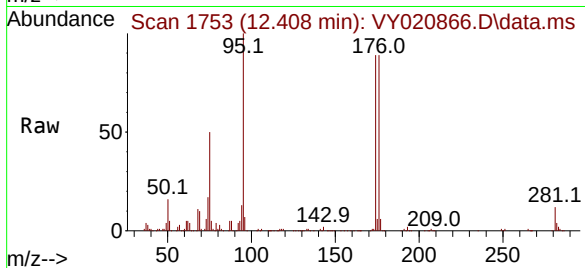




#62
4-Bromofluorobenzene
Concen: 44.451 ug/l
RT: 12.408 min Scan# 110147
Delta R.T. 0.000 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

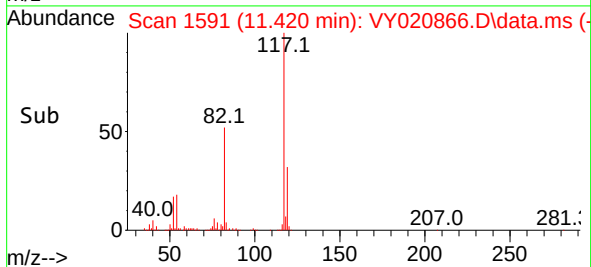
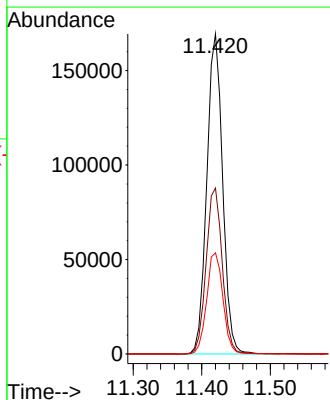
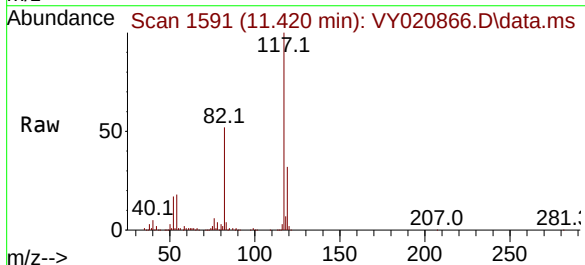
Instrument :
MSVOA_Y
ClientSampleId :

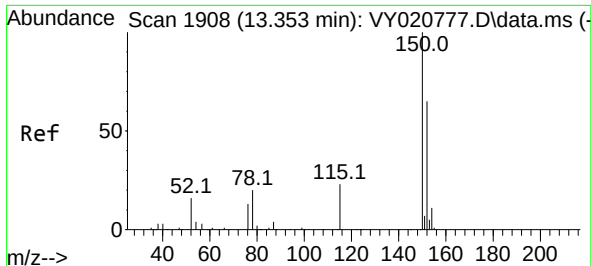
Tgt Ion: 95 Resp: 110147
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.0
176 88.2 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

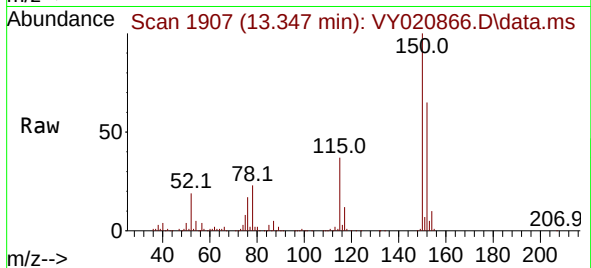
Tgt Ion: 117 Resp: 272454
Ion Ratio Lower Upper
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82 51.9 41.8 62.6
119 31.6 25.8 38.8



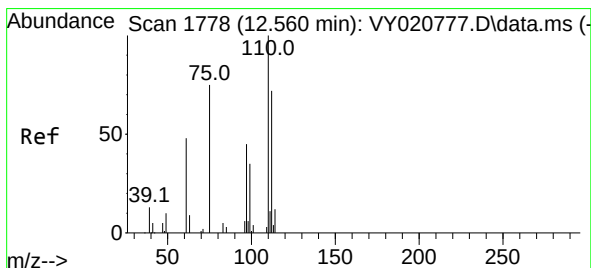
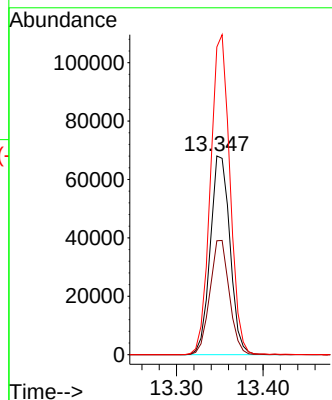
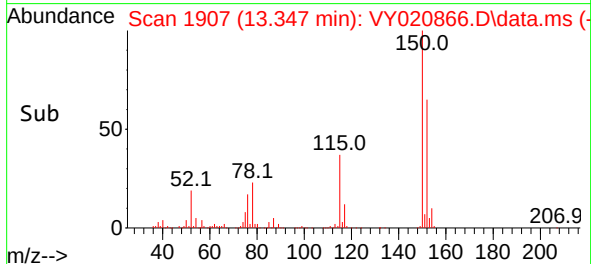


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

Instrument :
MSVOA_Y
ClientSampleId :

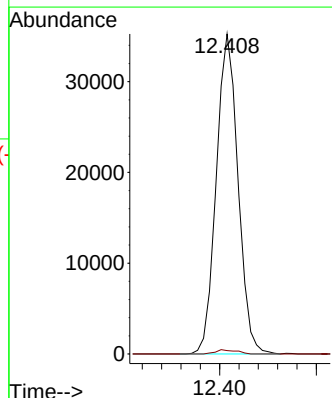
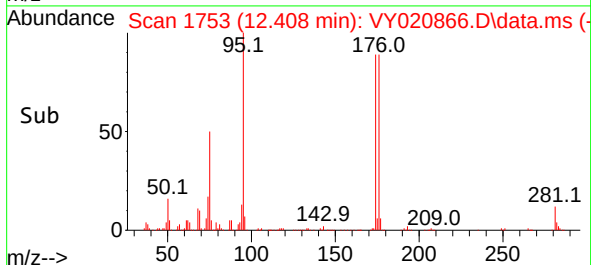
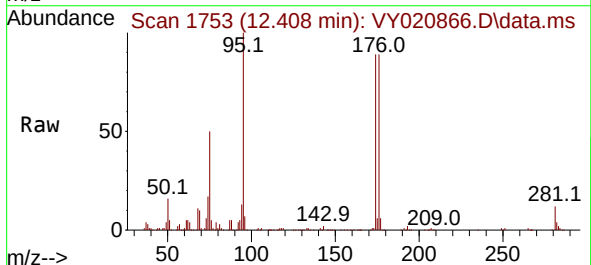


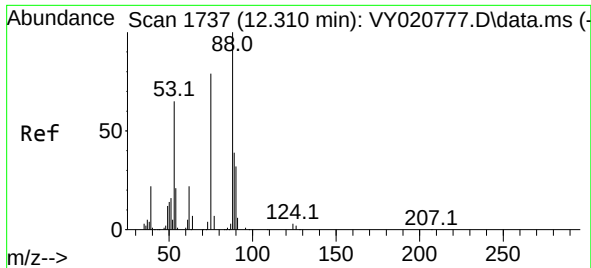
Tgt Ion:152 Resp: 107541
Ion Ratio Lower Upper
152 100
115 56.7 29.0 87.0
150 159.2 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 58.382 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020866.D
Acq: 17 Jan 2025 19:27

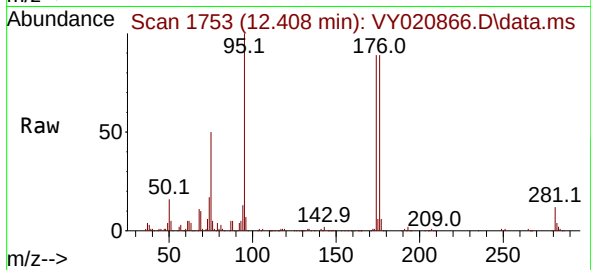
Tgt Ion: 75 Resp: 54935
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.100 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY020866.D
 Acq: 17 Jan 2025 19:27

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.4	104.0#
89	0.1	39.6	59.4#

