

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021842.D
 Acq On : 10 Apr 2025 16:47
 Operator : SY/MD
 Sample : Q1752-05
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Apr 11 01:52:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

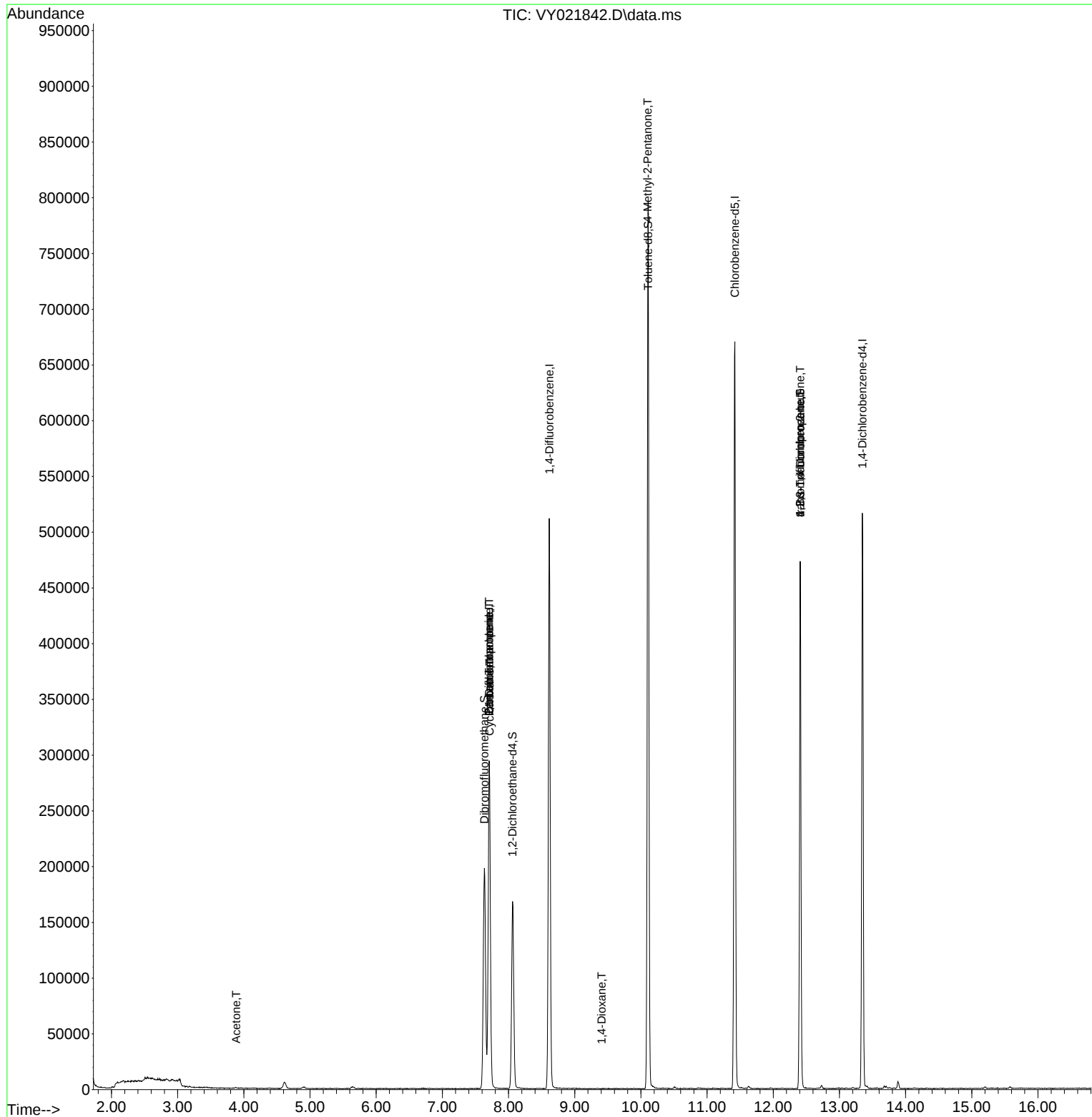
Internal Standards						
1) Pentafluorobenzene	7.707	168	217947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	410570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	352971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134147	56.808	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.620%
35) Dibromofluoromethane	7.634	113	139543	52.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.780%
50) Toluene-d8	10.109	98	502124	49.558	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.408	95	135022	39.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.800%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1009	2.088	ug/l	99
20) Methylene Chloride	4.616	84	4173	Below Cal		87
31) Cyclohexane	7.713	56	4889	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17600	4.339	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22990	4.948	ug/l #	17
49) 1,4-Dioxane	9.408	88	40	2.253	ug/l #	21
51) 4-Methyl-2-Pentanone	10.103	43	2482	1.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	73109	57.972	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	73109	133.577	ug/l #	12

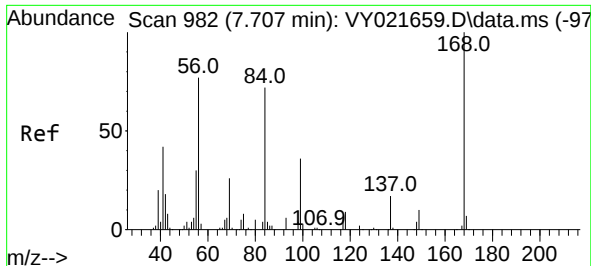
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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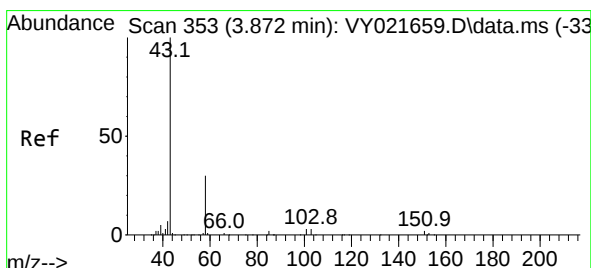
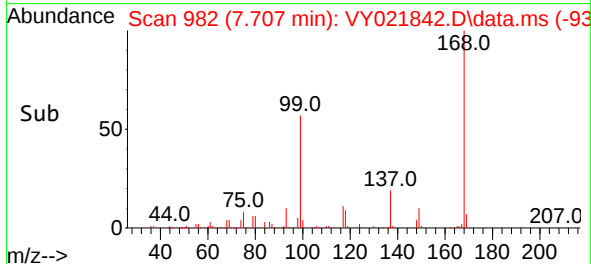
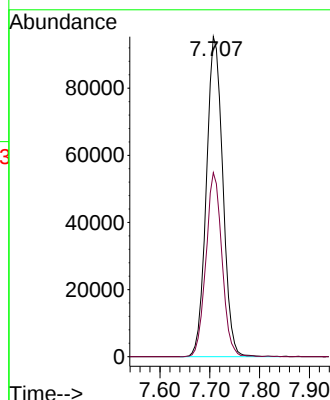
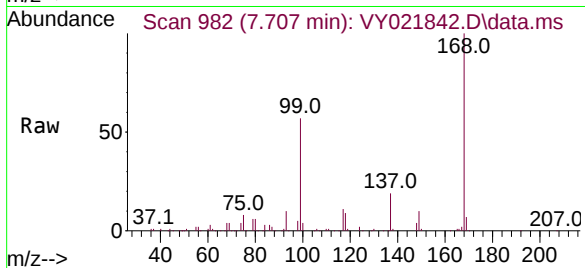




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

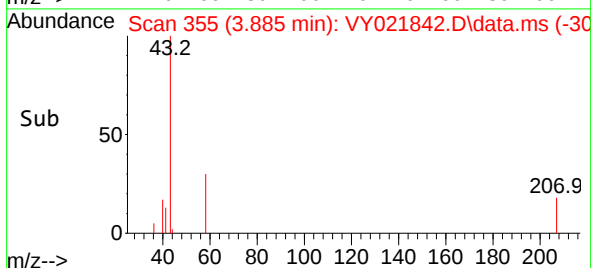
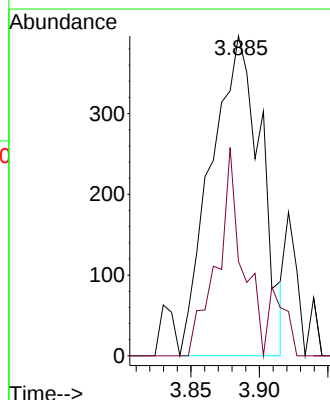
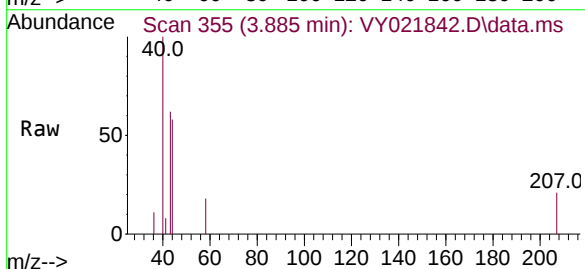
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

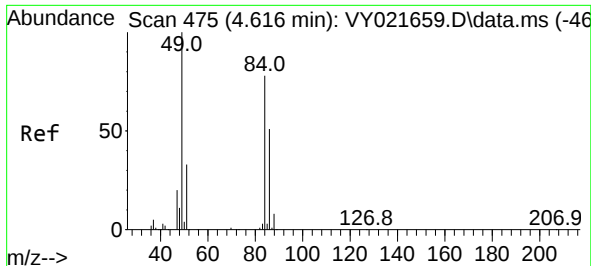
Tgt Ion:168 Resp: 217947
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1



#16
Acetone
Concen: 2.088 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
58 29.5 24.2 36.4

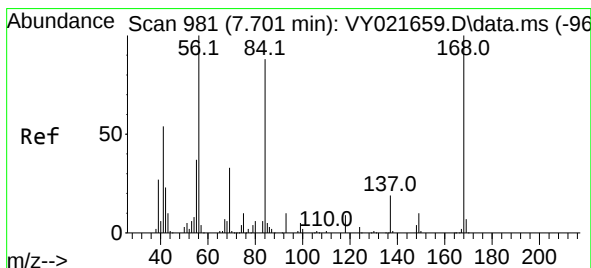
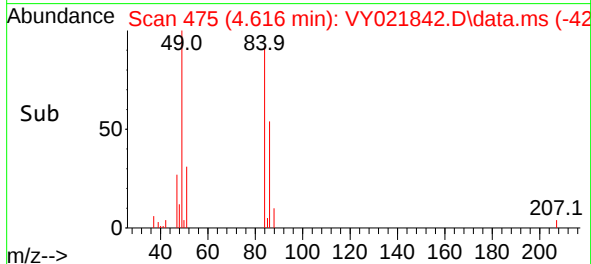
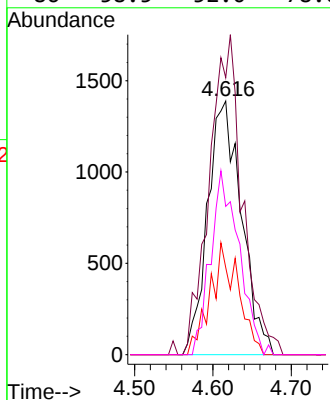
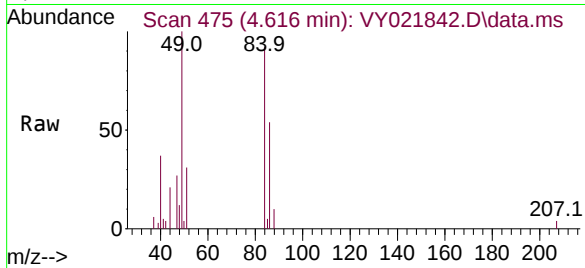




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

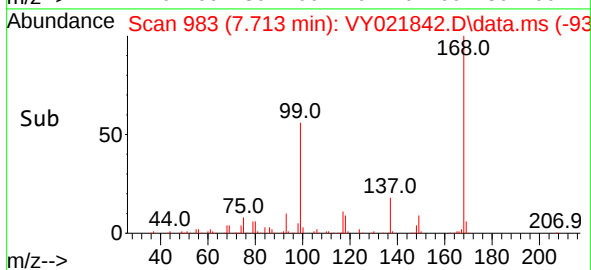
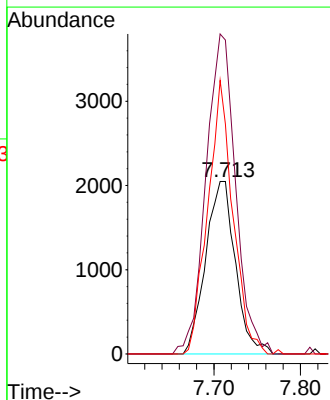
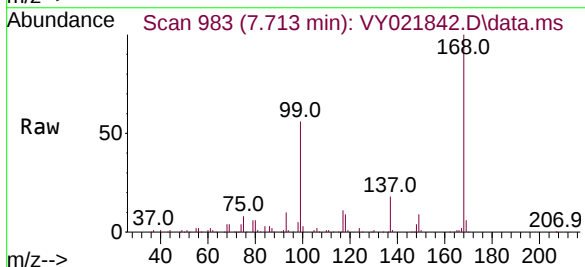
Instrument :
MSVOA_Y
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TP-4

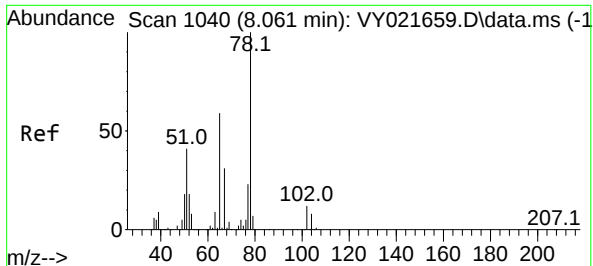
Tgt Ion:	84	Resp:	4173
Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.8	154.2
51	34.4	33.5	50.3
86	58.5	52.0	78.0



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion:	56	Resp:	4889
Ion	Ratio	Lower	Upper
56	100		
69	182.0	26.6	40.0#
84	133.3	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 56.808 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021842.D

Acq: 10 Apr 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

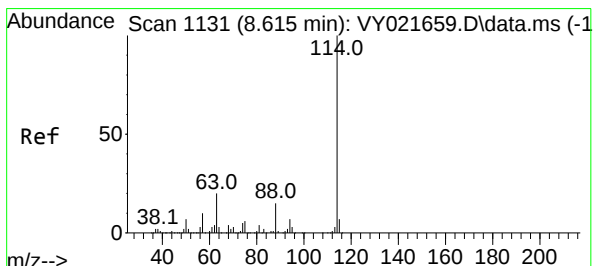
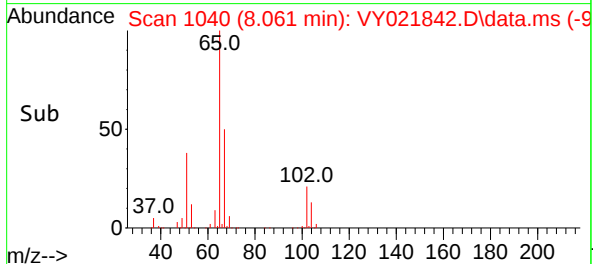
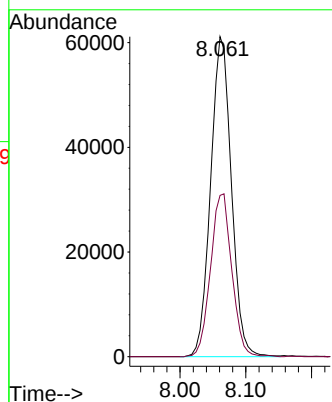
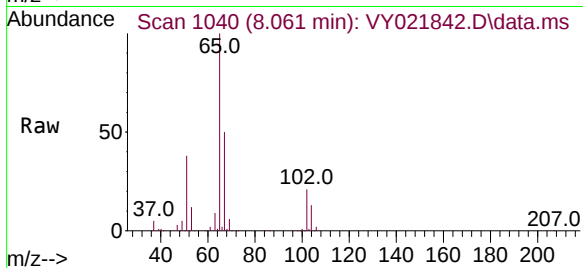
TP-4

Tgt Ion: 65 Resp: 134147

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021842.D

Acq: 10 Apr 2025 16:47

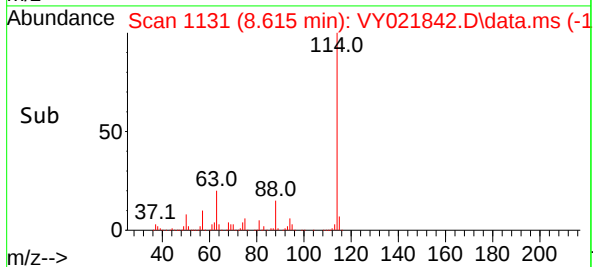
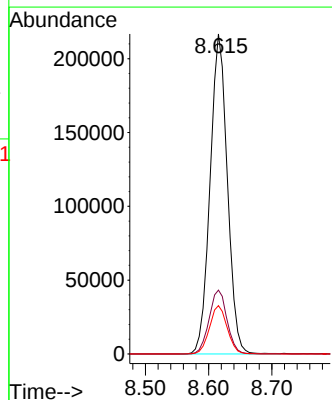
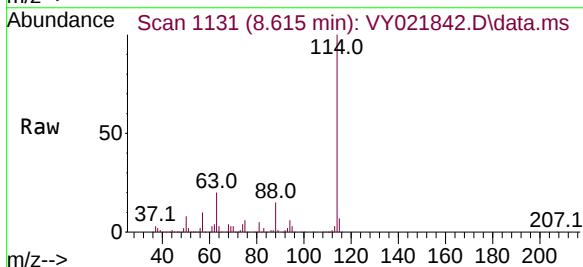
Tgt Ion: 114 Resp: 410570

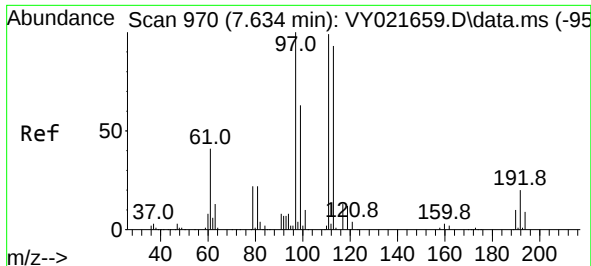
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.1 0.0 29.8

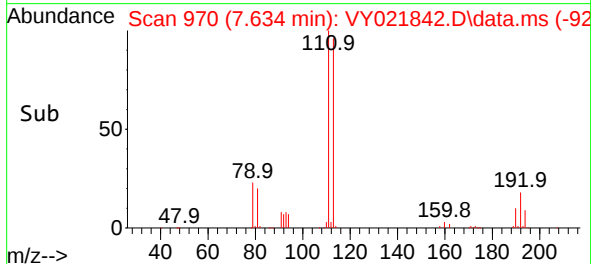
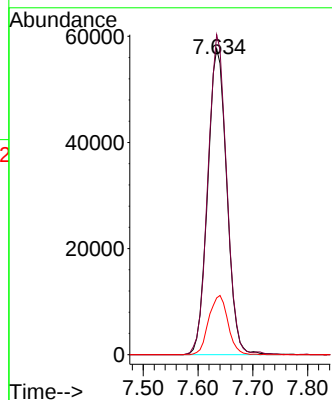
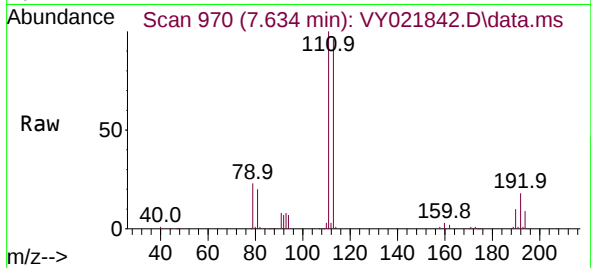




#35
Dibromofluoromethane
Concen: 52.395 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

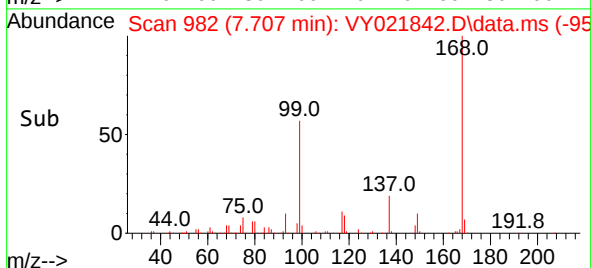
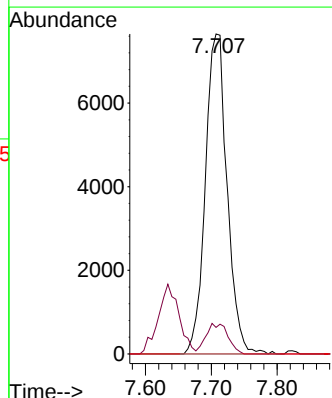
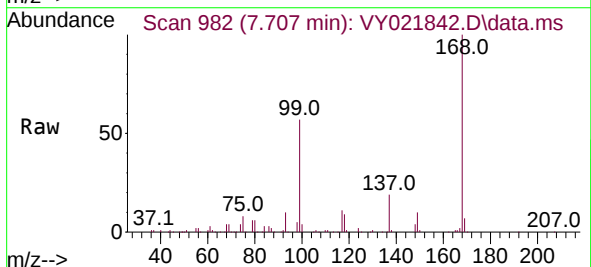
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

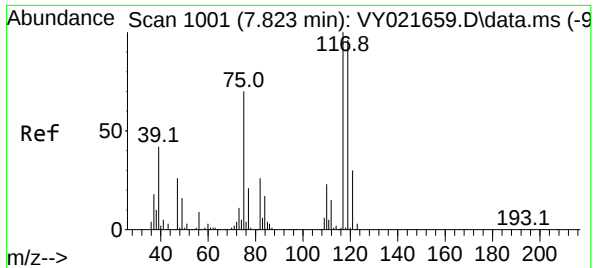
Tgt Ion:113 Resp: 139543
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion: 75 Resp: 17600
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.8 37.2#

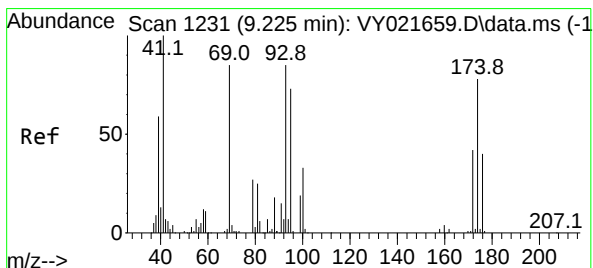
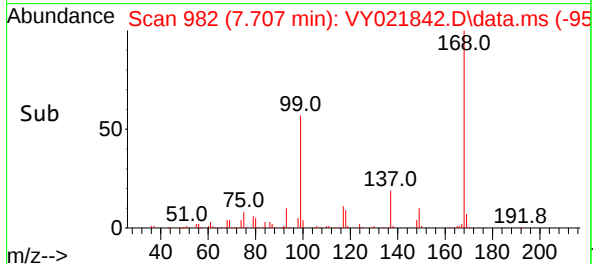
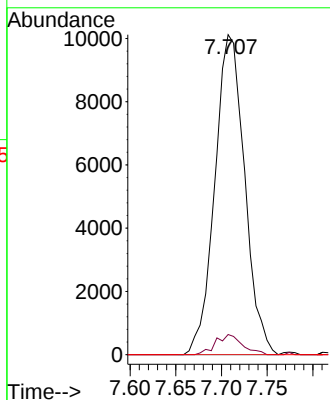
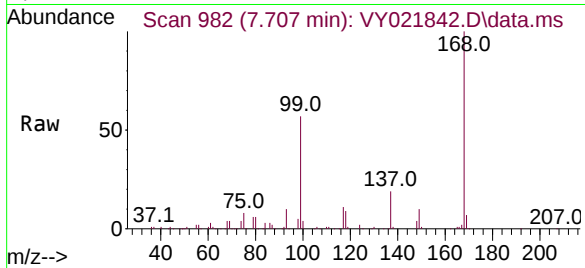




#38
Carbon Tetrachloride
Concen: 4.948 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

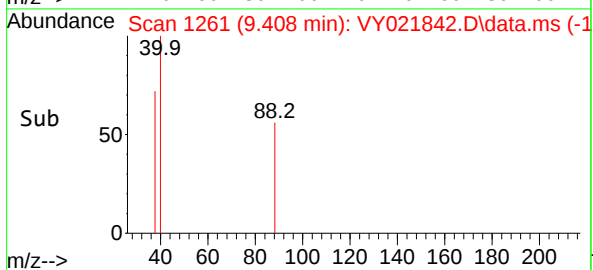
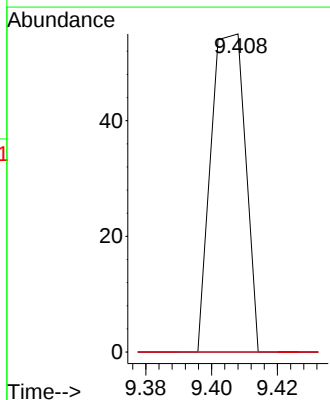
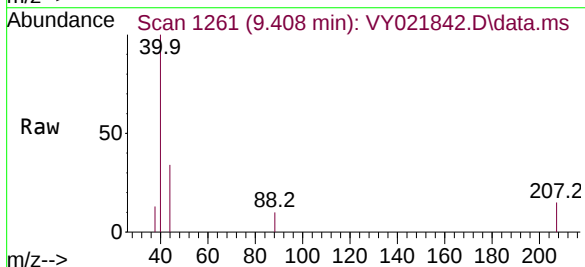
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

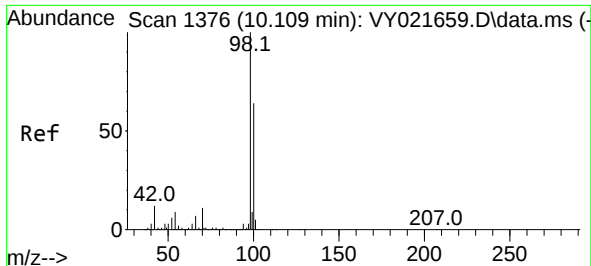
Tgt Ion:117 Resp: 22990
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 2.253 ug/l
RT: 9.408 min Scan# 1261
Delta R.T. 0.183 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 59.4 89.2#

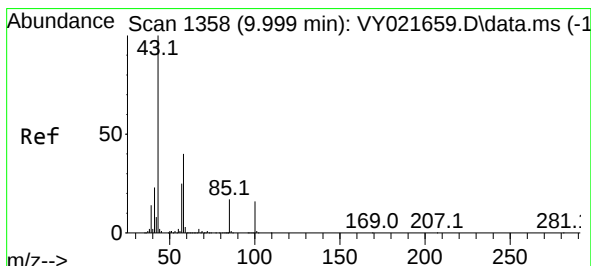
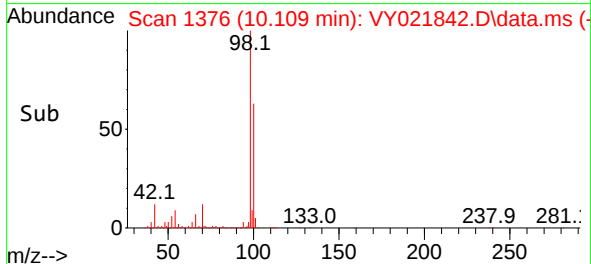
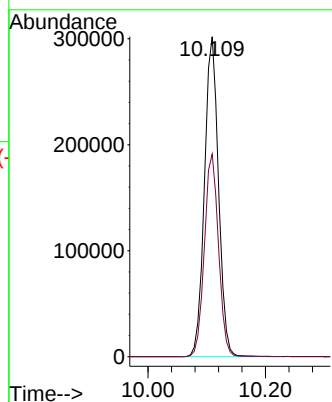
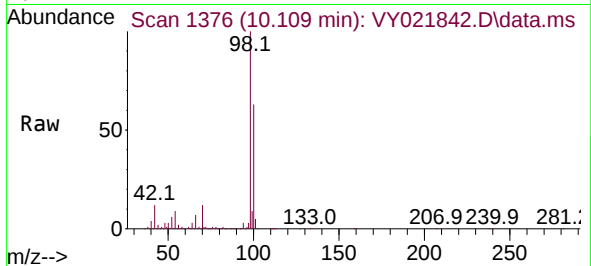




#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

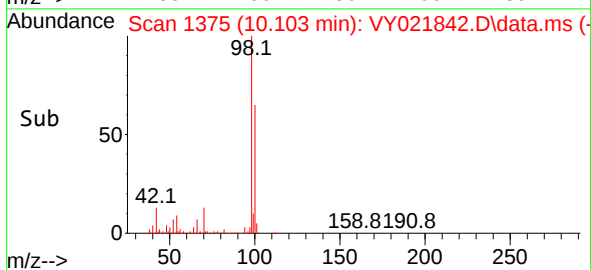
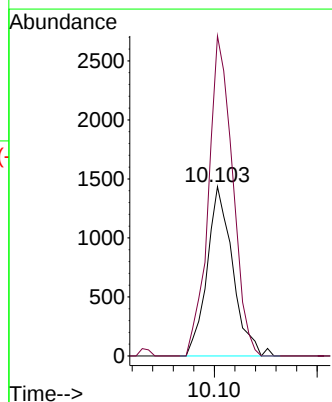
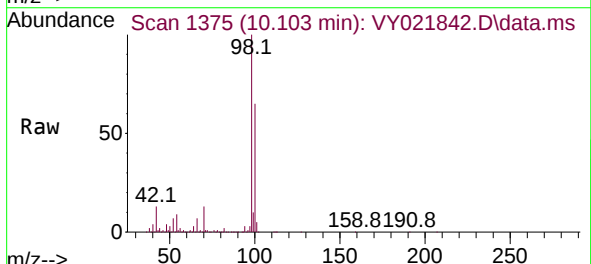
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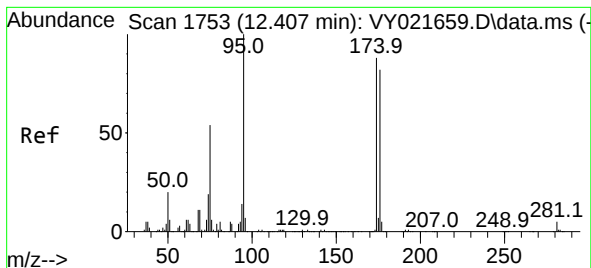
Tgt Ion: 98 Resp: 502124
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.315 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
58 179.0 31.5 47.3#

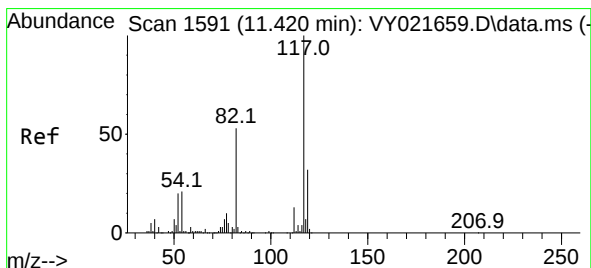
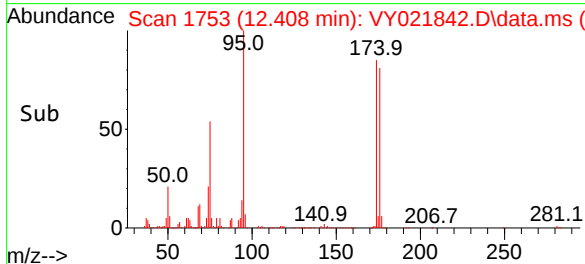
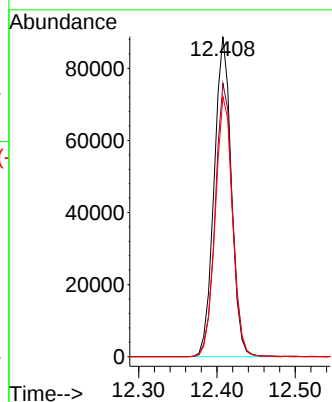
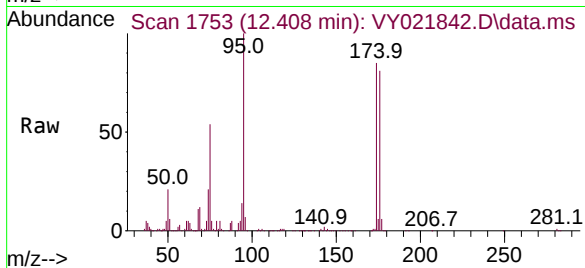




#62
4-Bromofluorobenzene
Concen: 39.398 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

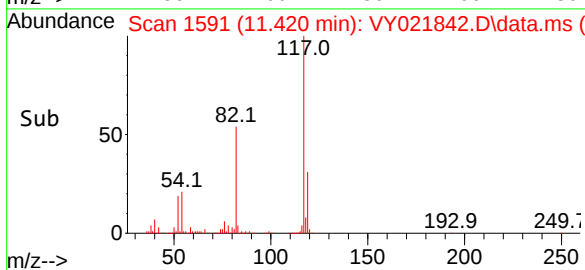
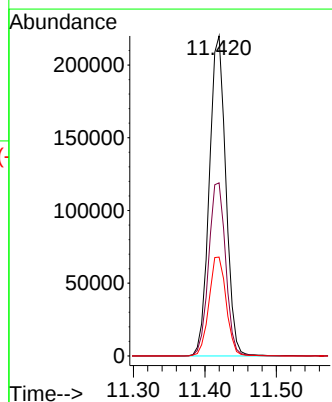
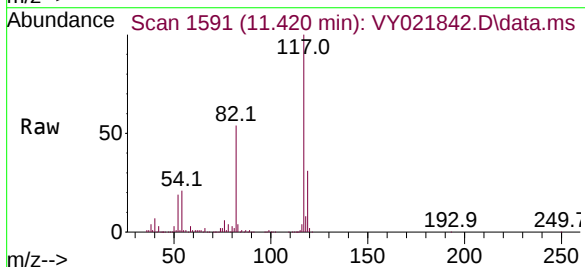
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

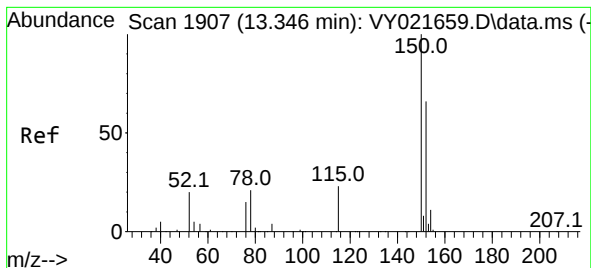
Tgt Ion: 95 Resp: 135022
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.8
176 81.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021842.D
Acq: 10 Apr 2025 16:47

Tgt Ion: 117 Resp: 352971
Ion Ratio Lower Upper
117 100
82 54.1 42.8 64.2
119 30.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021842.D

Acq: 10 Apr 2025 16:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

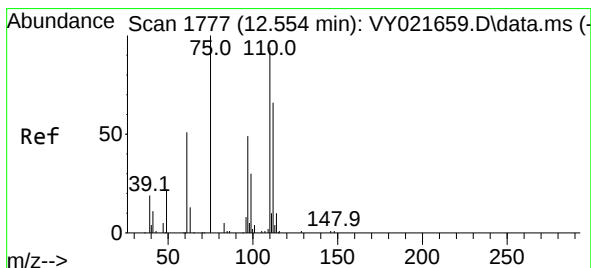
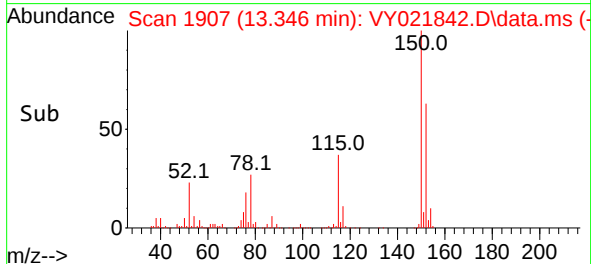
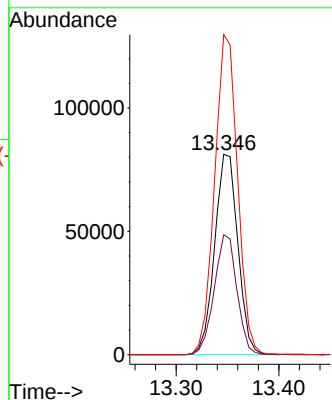
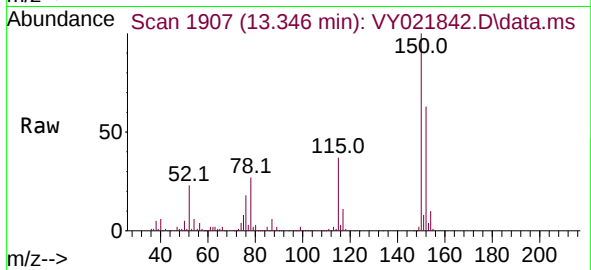
Tgt Ion:152 Resp: 127223

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 158.2 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 57.972 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021842.D

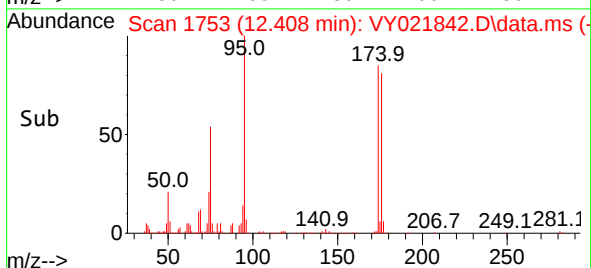
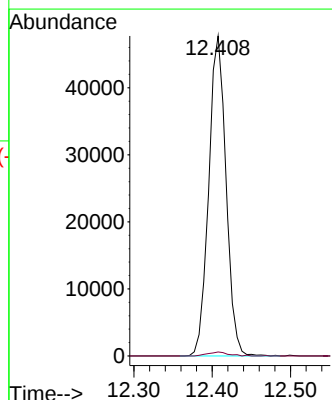
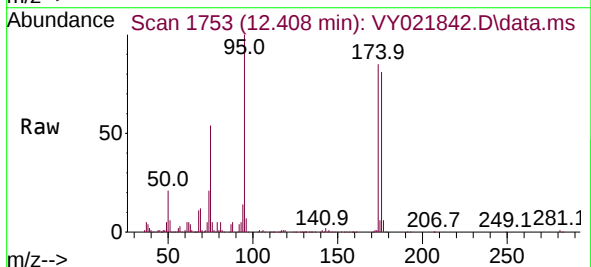
Acq: 10 Apr 2025 16:47

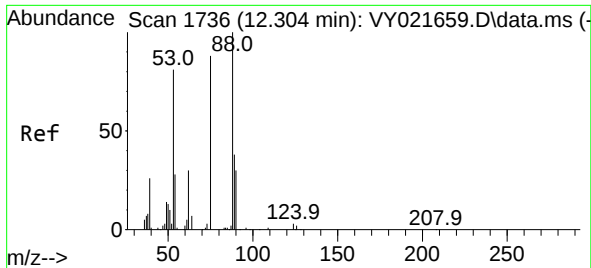
Tgt Ion: 75 Resp: 73109

Ion Ratio Lower Upper

75 100

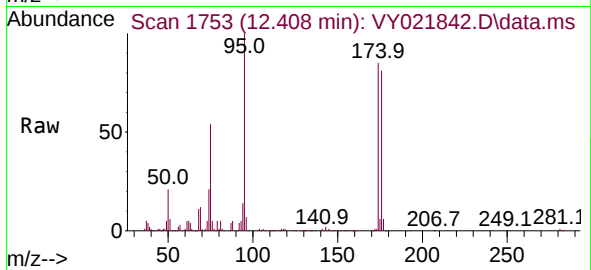
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.577 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021842.D
 Acq: 10 Apr 2025 16:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4



Tgt Ion:	75	Resp:	73109
Ion	Ratio	Lower	Upper
75	100		
53	0.2	76.1	114.1#
89	0.1	36.2	54.4#

