

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021724.D
 Acq On : 31 Mar 2025 16:58
 Operator : SY/MD
 Sample : Q1675-10
 Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T4

Quant Time: Apr 01 05:39:40 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)

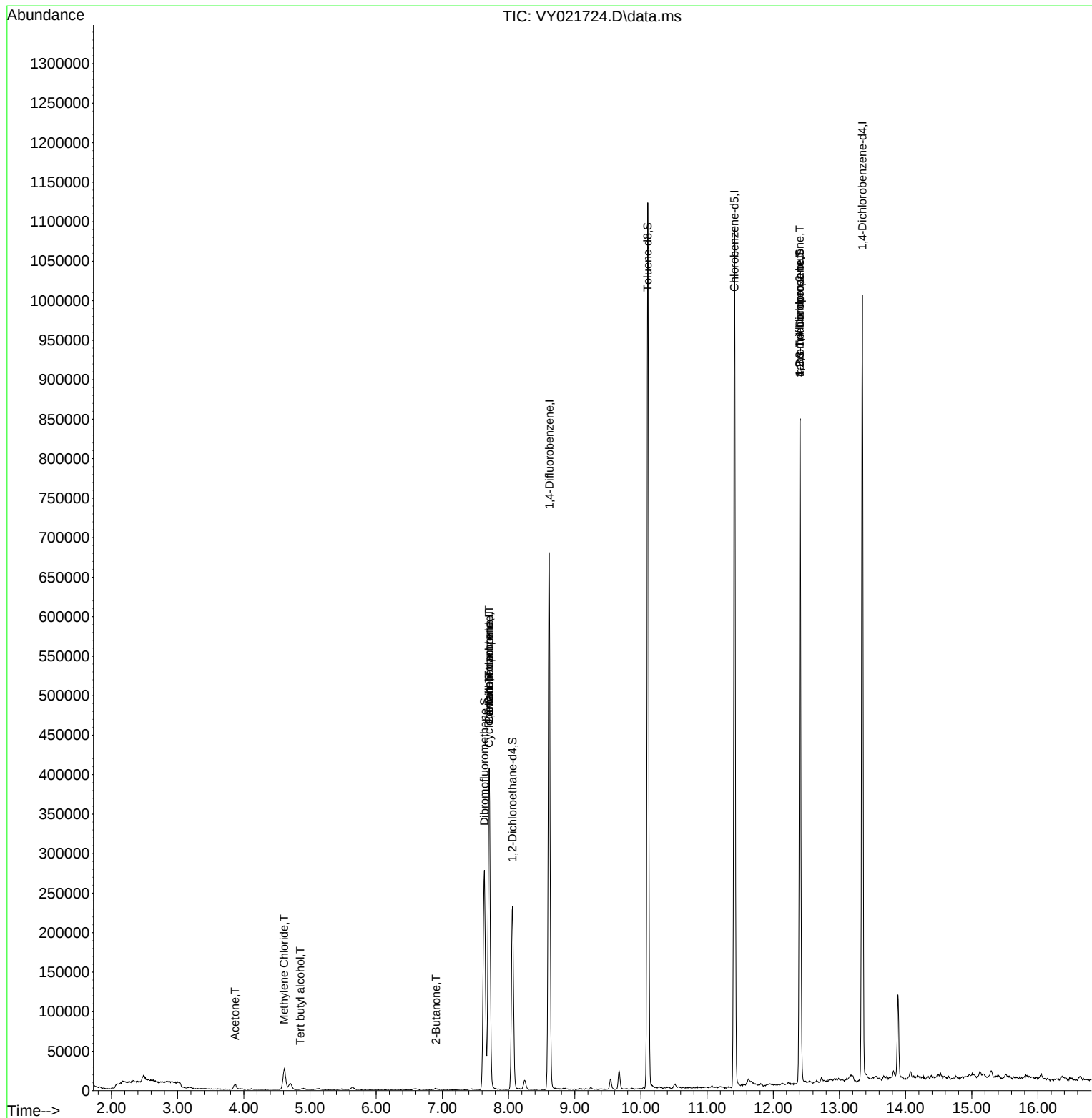
Internal Standards						
1) Pentafluorobenzene	7.707	168	303922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	578602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186392	56.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.200%
35) Dibromofluoromethane	7.634	113	195493	52.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.180%
50) Toluene-d8	10.103	98	709429	49.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.401	95	255994	53.004	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	243	1.136	ug/l #	70
16) Acetone	3.866	43	9920	14.720	ug/l	93
20) Methylene Chloride	4.610	84	17900	1.691	ug/l	95
25) 2-Butanone	6.902	43	1374	1.427	ug/l #	48
31) Cyclohexane	7.701	56	6912	1.189	ug/l #	13
36) 1,1-Dichloropropene	7.707	75	24144	4.223	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31159	4.759	ug/l #	15
76) 1,2,3-Trichloropropane	12.401	75	131594	52.962	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	131594	122.034	ug/l #	12

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

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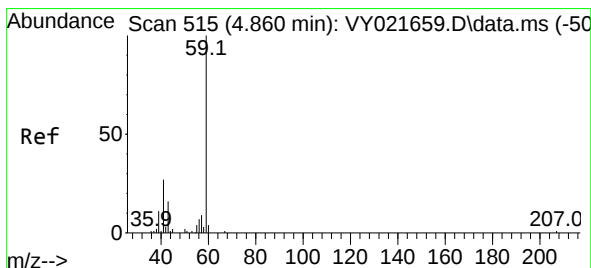
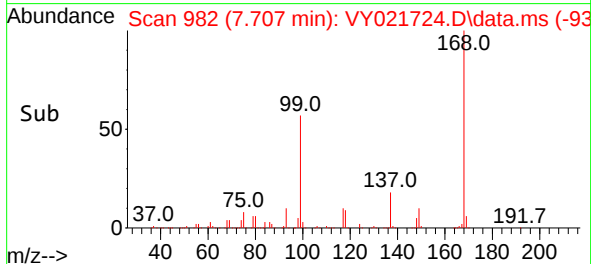
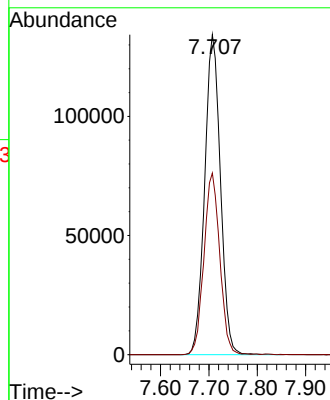
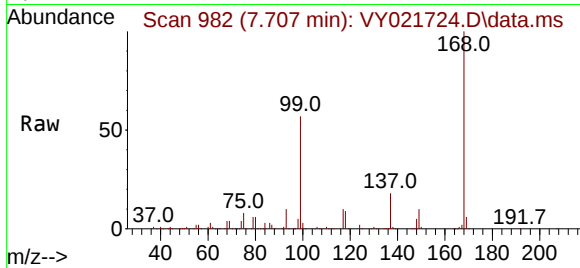




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

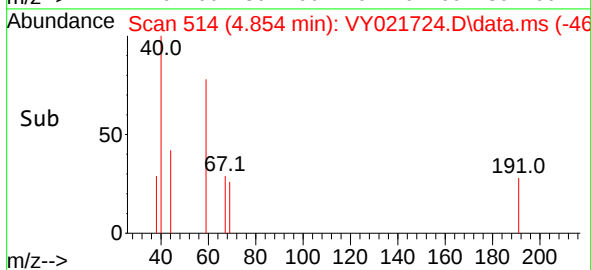
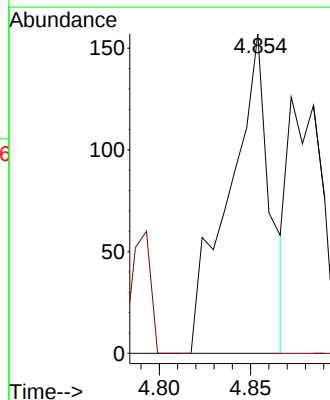
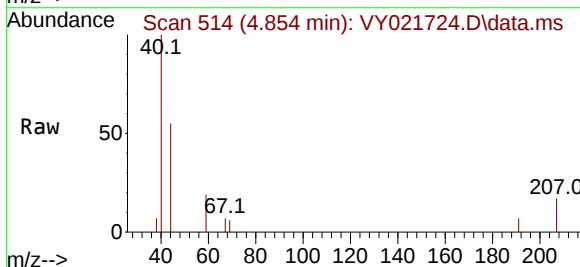
Instrument :
MSVOA_Y
ClientSampleId :
T4

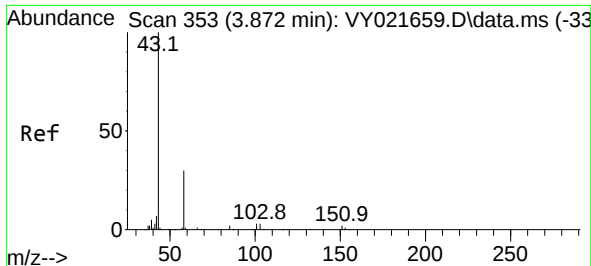
Tgt Ion:168 Resp: 303922
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.136 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

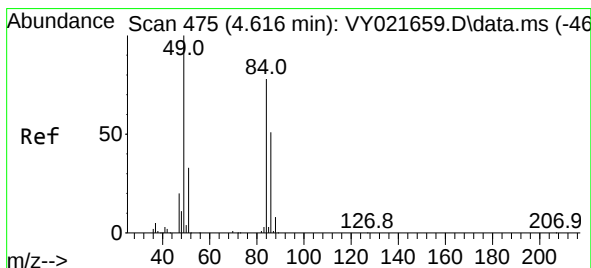
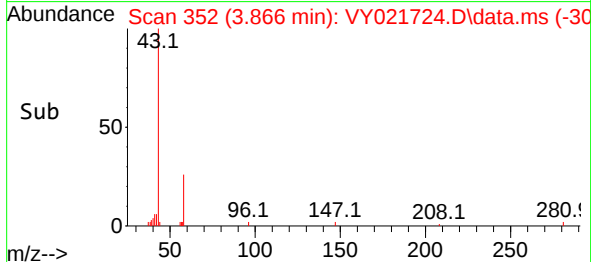
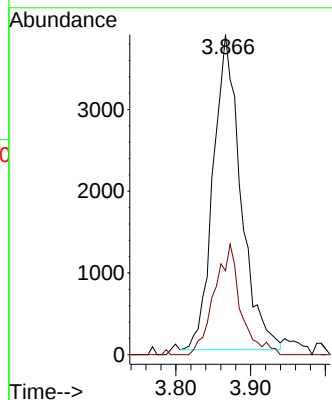
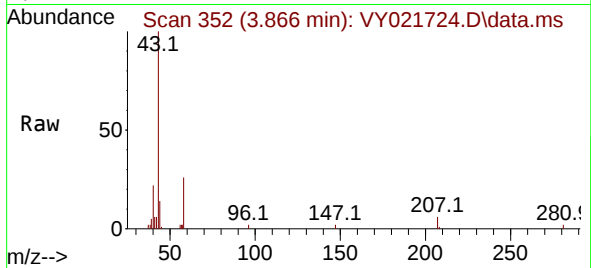




#16
Acetone
Concen: 14.720 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

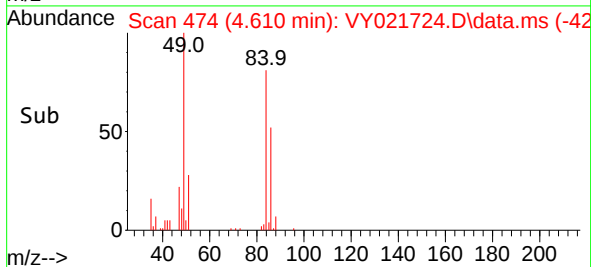
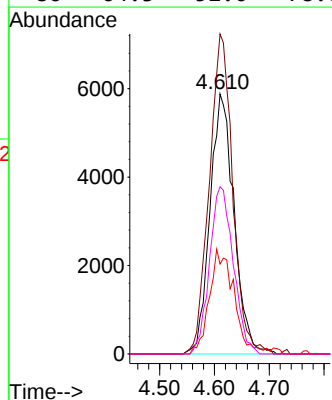
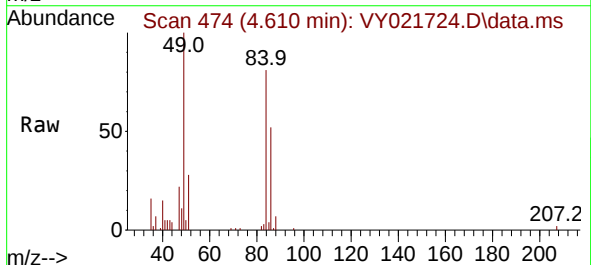
Instrument :
MSVOA_Y
ClientSampleId :
T4

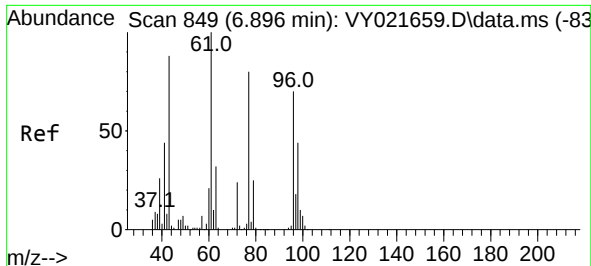
Tgt Ion: 43 Resp: 9920
Ion Ratio Lower Upper
43 100
58 26.7 24.2 36.4



#20
Methylene Chloride
Concen: 1.691 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 84 Resp: 17900
Ion Ratio Lower Upper
84 100
49 123.1 102.8 154.2
51 34.6 33.5 50.3
86 64.3 52.0 78.0

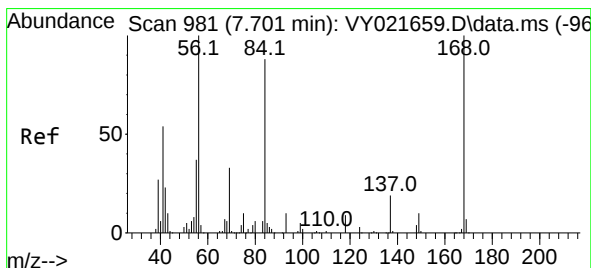
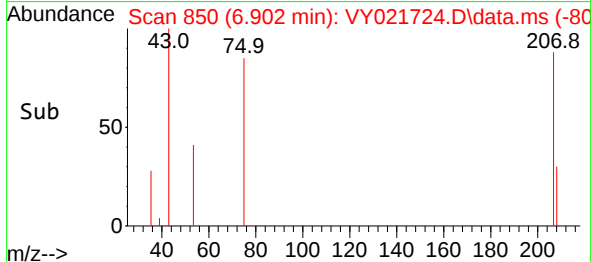
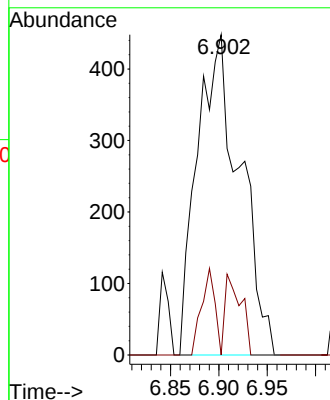
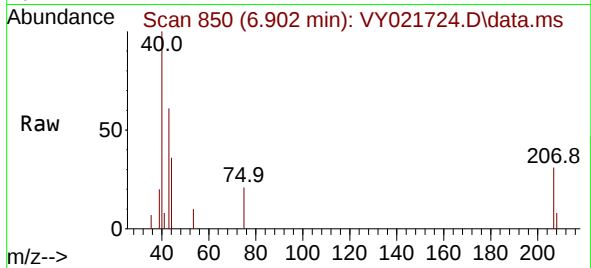




#25
2-Butanone
Concen: 1.427 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

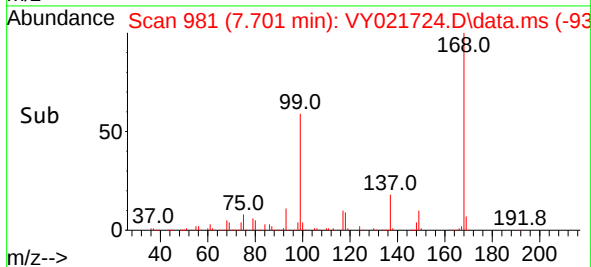
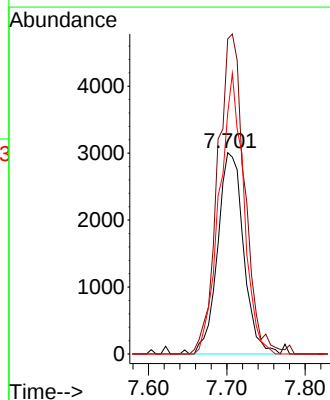
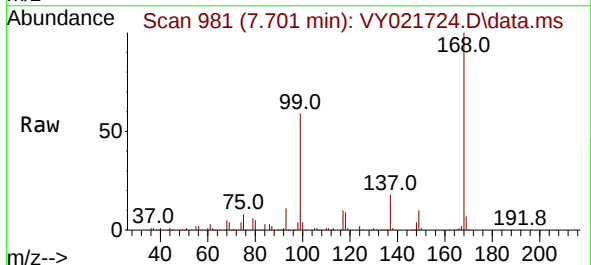
Instrument :
MSVOA_Y
ClientSampleId :
T4

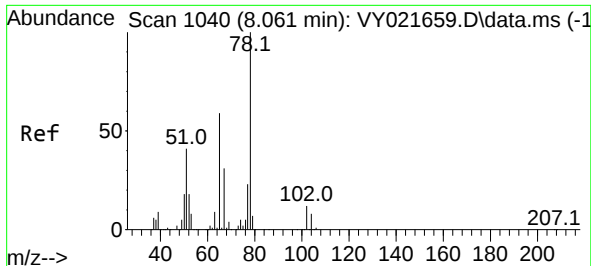
Tgt Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 56 Resp: 6912
Ion Ratio Lower Upper
56 100
69 156.5 26.6 40.0#
84 119.6 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 56.604 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021724.D

Acq: 31 Mar 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

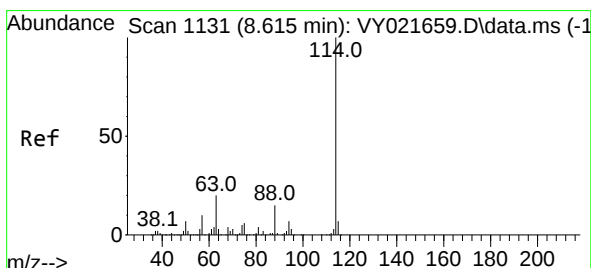
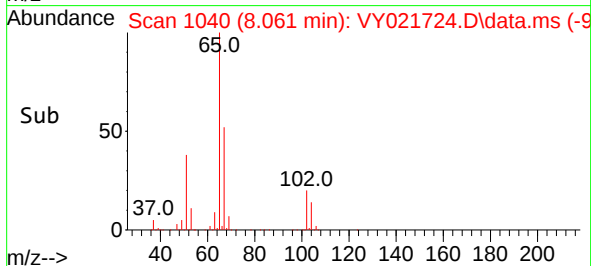
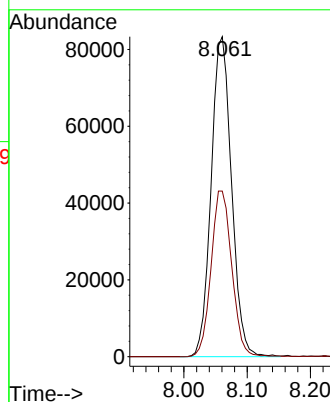
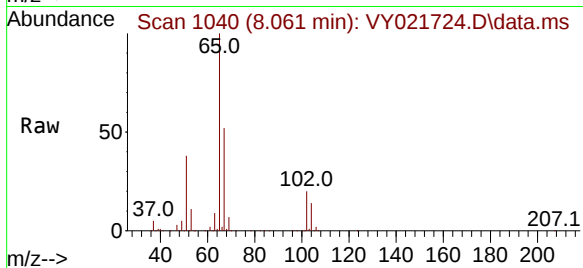
T4

Tgt Ion: 65 Resp: 186392

Ion Ratio Lower Upper

65 100

67 52.7 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: VY021724.D

Acq: 31 Mar 2025 16:58

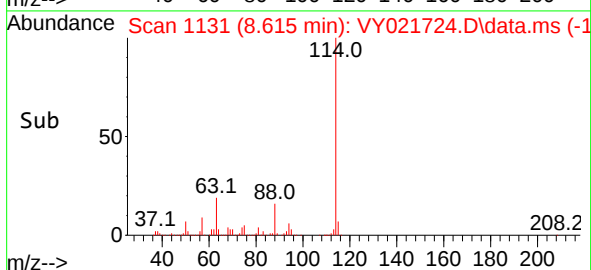
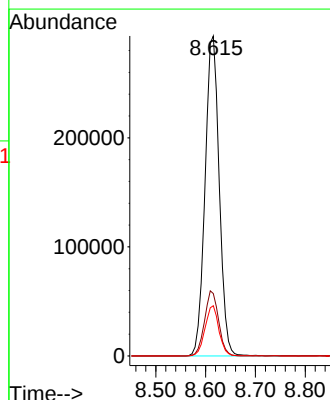
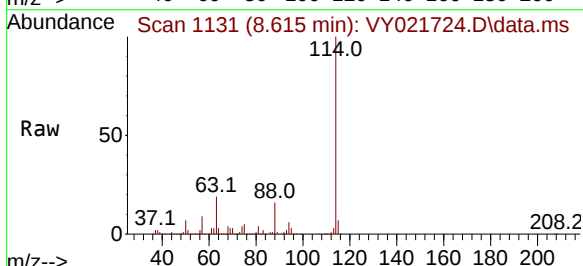
Tgt Ion:114 Resp: 578602

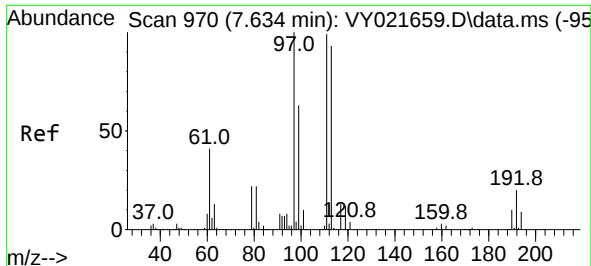
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 15.7 0.0 29.8

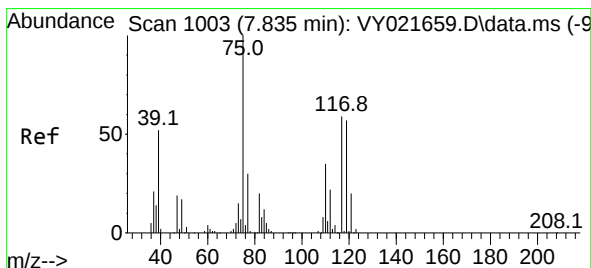
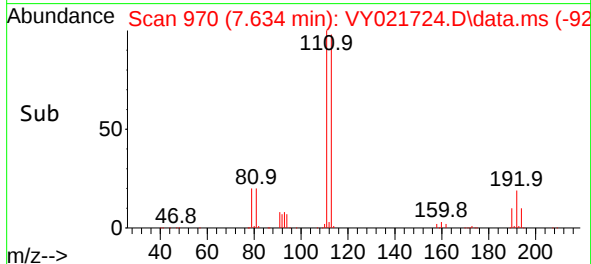
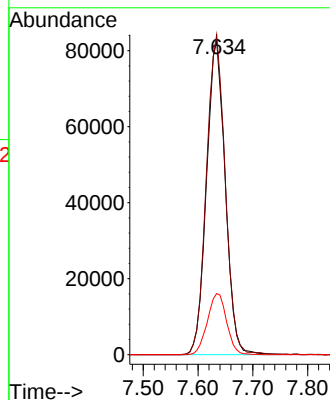
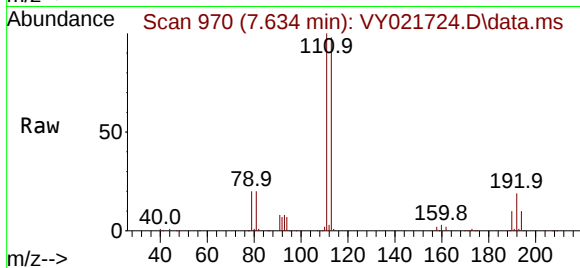




#35
Dibromofluoromethane
Concen: 52.086 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

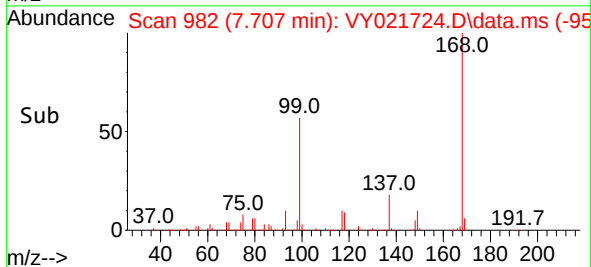
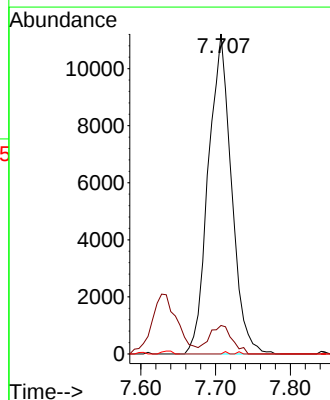
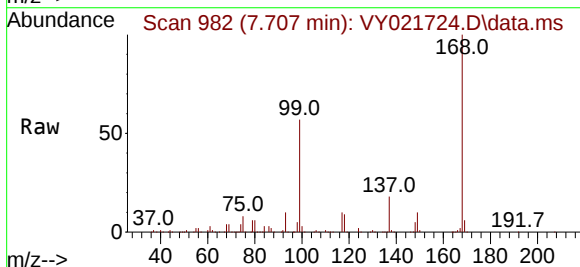
Instrument :
MSVOA_Y
ClientSampleId :
T4

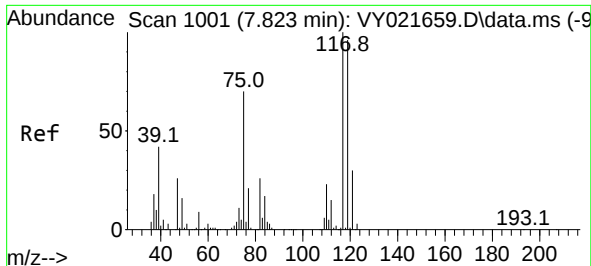
Tgt Ion:113 Resp: 195493
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.223 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 75 Resp: 24144
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.1 24.8 37.2#

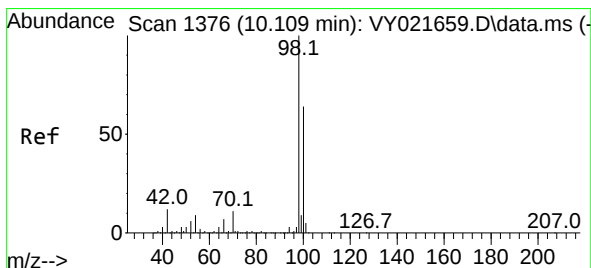
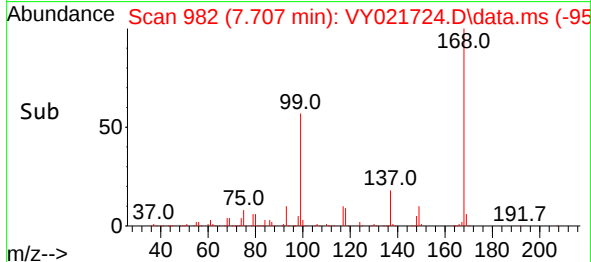
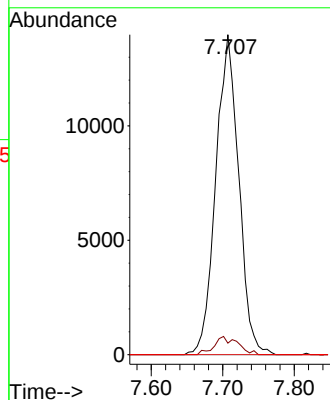
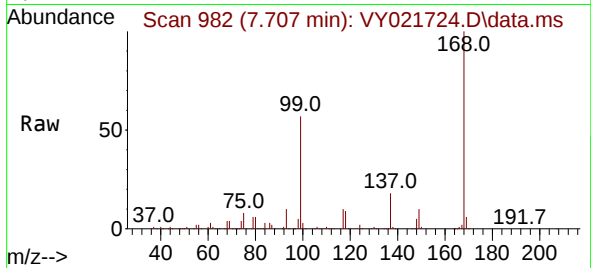




#38
Carbon Tetrachloride
Concen: 4.759 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

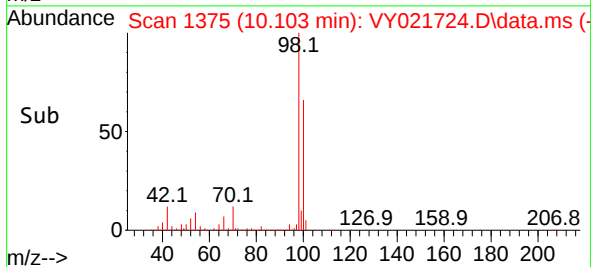
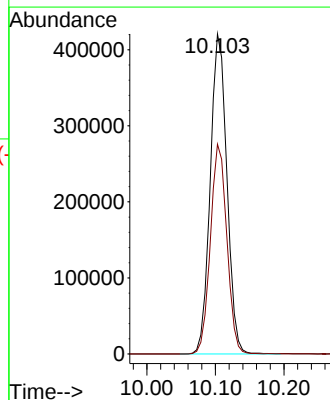
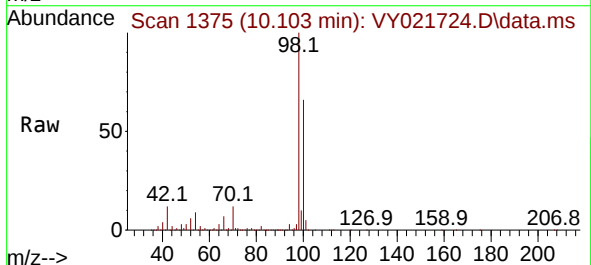
Instrument :
MSVOA_Y
ClientSampleId :
T4

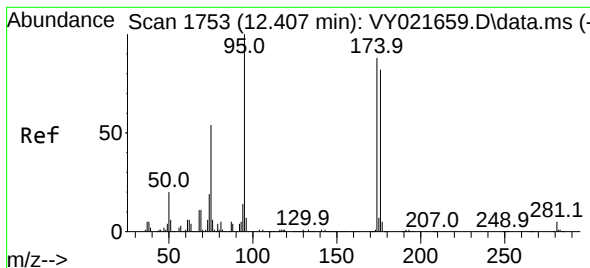
Tgt Ion:117 Resp: 31159
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.685 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 98 Resp: 709429
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

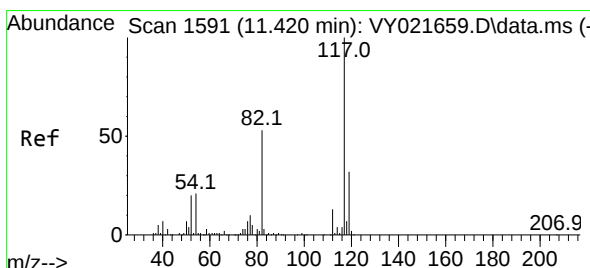
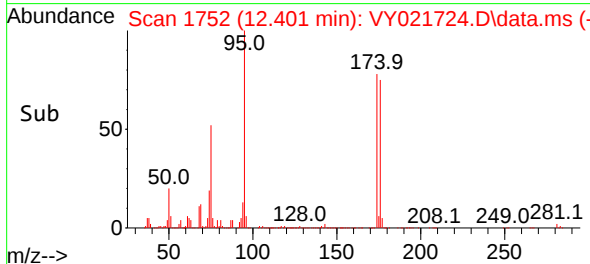
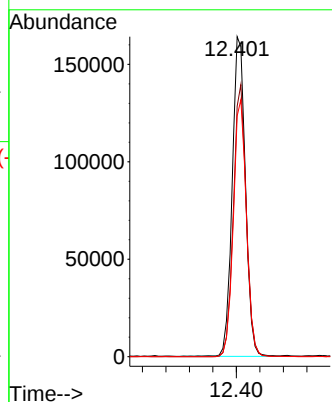
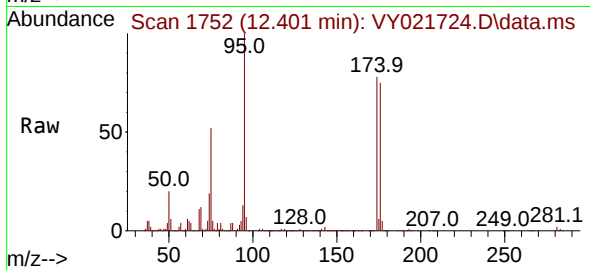




#62
4-Bromofluorobenzene
Concen: 53.004 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

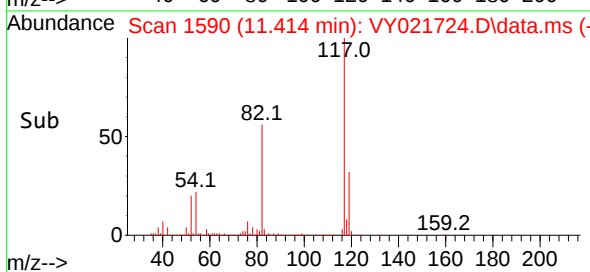
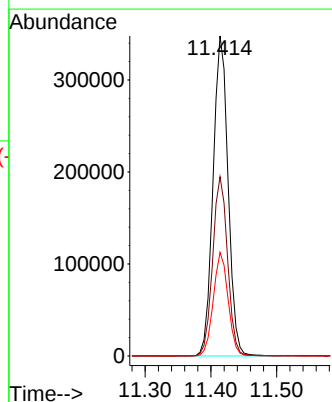
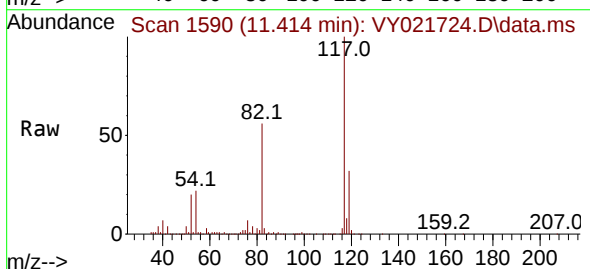
Instrument :
MSVOA_Y
ClientSampleId :
T4

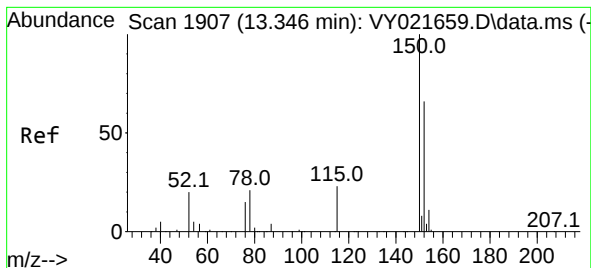
Tgt Ion: 95 Resp: 255994
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 79.4 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 117 Resp: 553448
Ion Ratio Lower Upper
117 100
82 56.0 42.8 64.2
119 32.4 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: VY021724.D

Acq: 31 Mar 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

T4

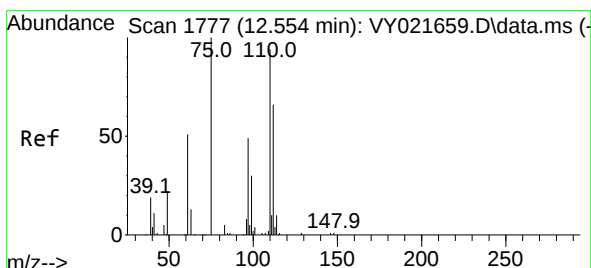
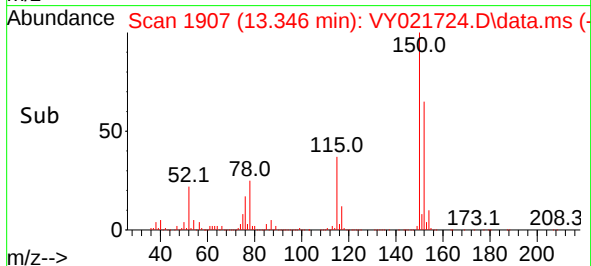
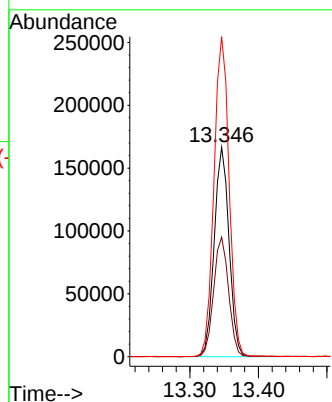
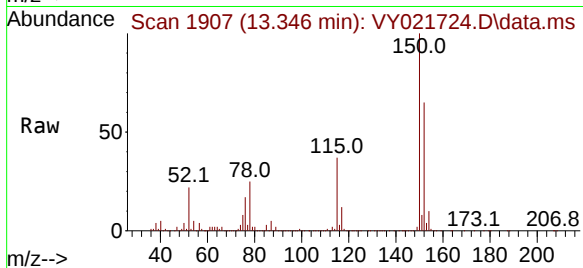
Tgt Ion:152 Resp: 250658

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 156.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 52.962 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY021724.D

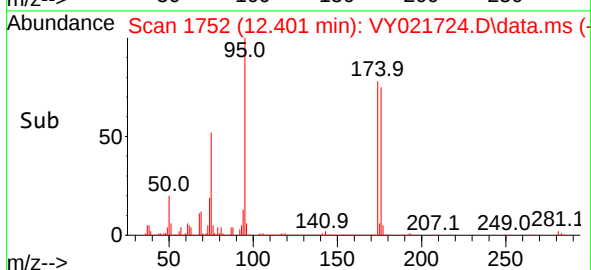
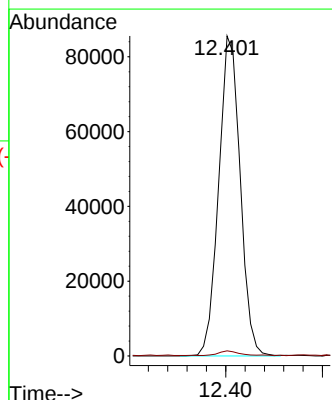
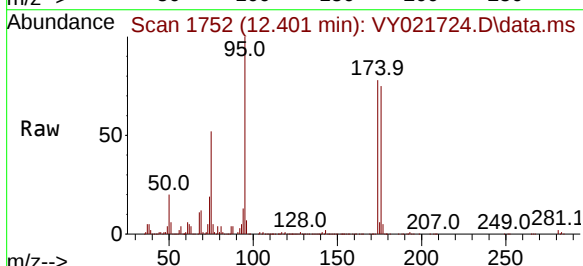
Acq: 31 Mar 2025 16:58

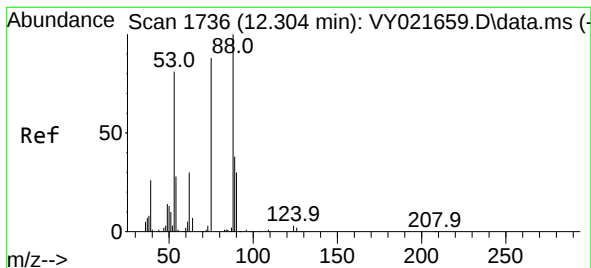
Tgt Ion: 75 Resp: 131594

Ion Ratio Lower Upper

75 100

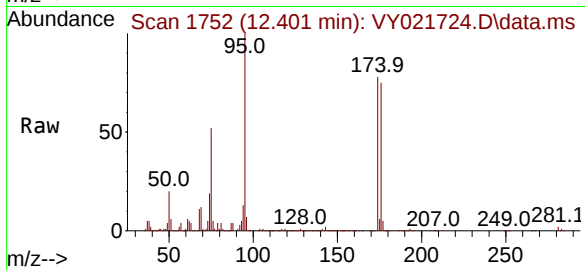
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.034 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4



Tgt Ion: 75 Resp: 131594
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.1 36.2 54.4#

