

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022081.D
 Acq On : 30 Apr 2025 14:21
 Operator : SY/MD
 Sample : Q1883-09
 Misc : 11.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-31-042325

Quant Time: May 01 01:36:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

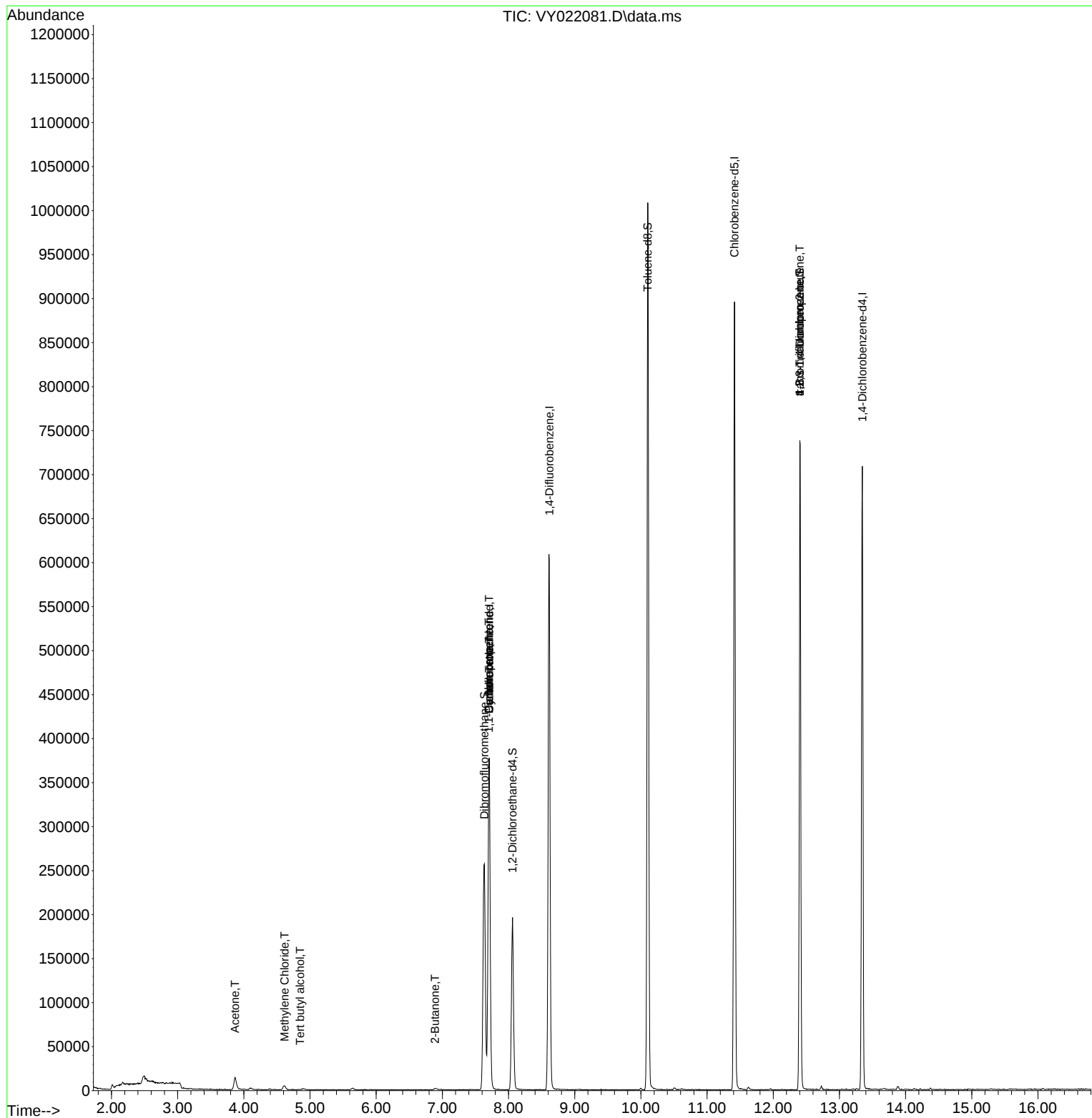
Internal Standards						
1) Pentafluorobenzene	7.707	168	295996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	497554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148075	54.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.320%	
35) Dibromofluoromethane	7.634	113	189534	51.791	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.580%	
50) Toluene-d8	10.103	98	671949	48.704	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	12.402	95	227756	49.038	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	516	3.438	ug/l #	70
16) Acetone	3.866	43	22788	46.271	ug/l #	87
20) Methylene Chloride	4.616	84	3498	1.012	ug/l #	95
25) 2-Butanone	6.890	43	1961	3.147	ug/l #	73
31) Cyclohexane	7.707	56	5549	1.228	ug/l #	18
36) 1,1-Dichloropropene	7.701	75	21477	4.369	ug/l #	48
38) Carbon Tetrachloride	7.707	117	29445	5.013	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	110032	67.818	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	110032	163.317	ug/l #	16

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

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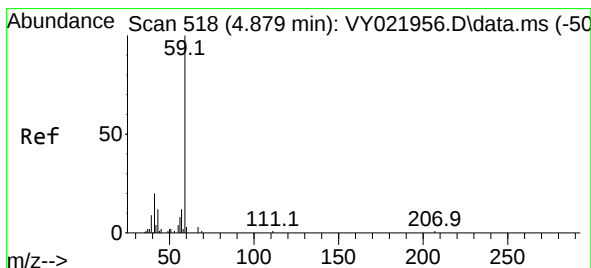
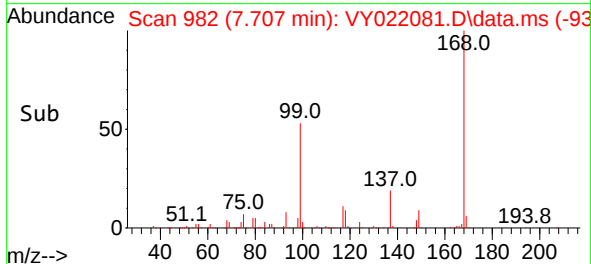
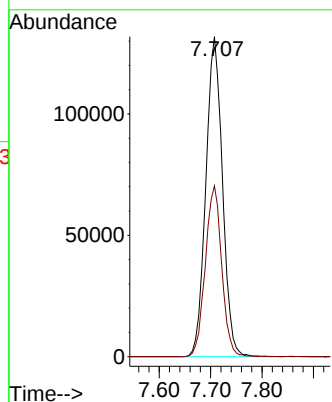
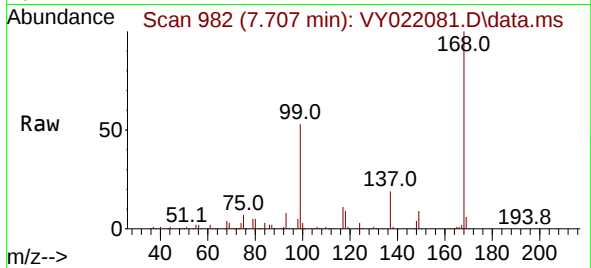




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

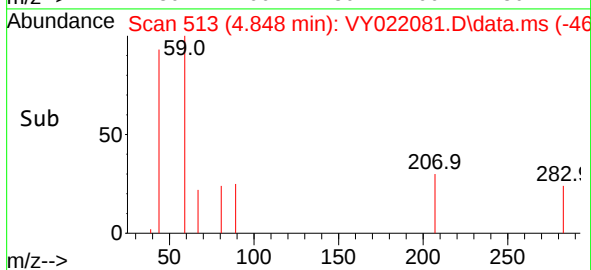
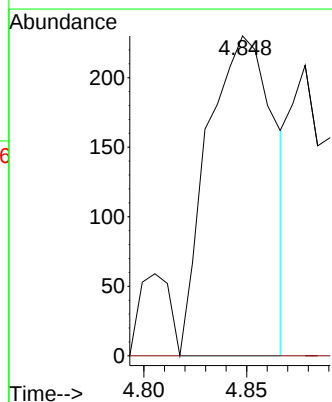
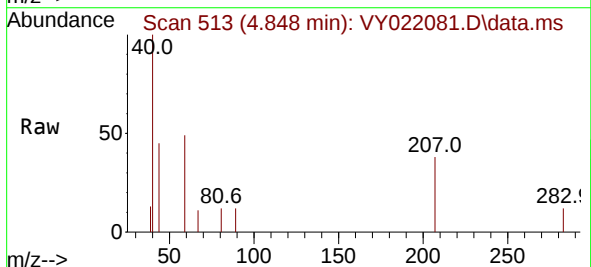
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

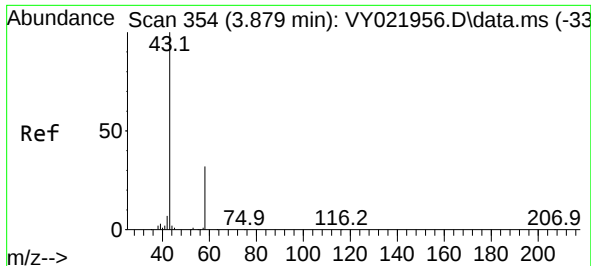
Tgt Ion:168 Resp: 295996
Ion Ratio Lower Upper
168 100
99 53.4 43.1 64.7



#11
Tert butyl alcohol
Concen: 3.438 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.031 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

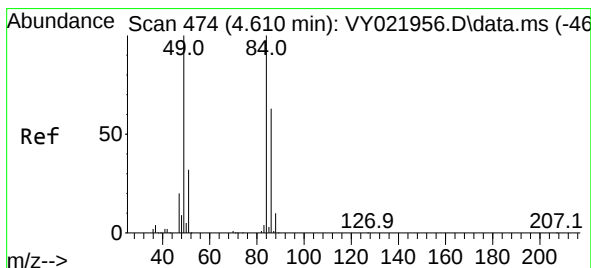
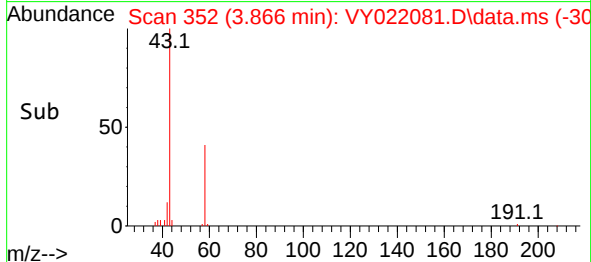
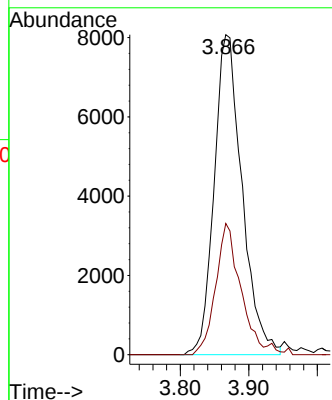
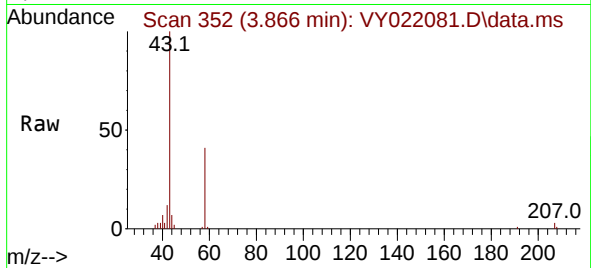




#16
Acetone
Concen: 46.271 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

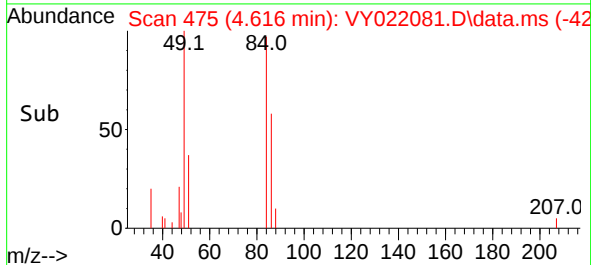
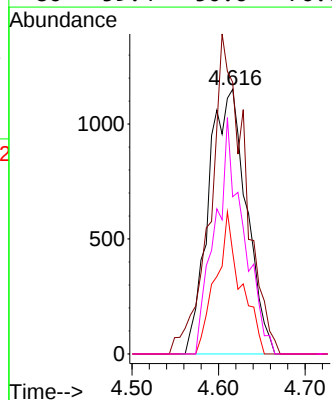
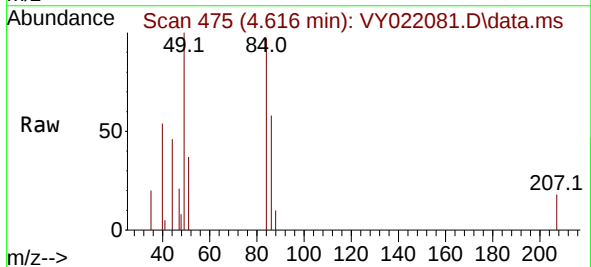
Instrument :
MSVOA_Y
ClientSampleId :
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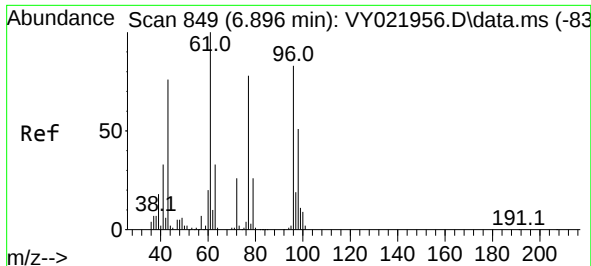
Tgt Ion: 43 Resp: 22788
Ion Ratio Lower Upper
43 100
58 41.0 27.0 40.4#



#20
Methylene Chloride
Concen: 1.012 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 84 Resp: 3498
Ion Ratio Lower Upper
84 100
49 102.7 79.9 119.9
51 38.4 25.4 38.0#
86 59.4 50.6 76.0

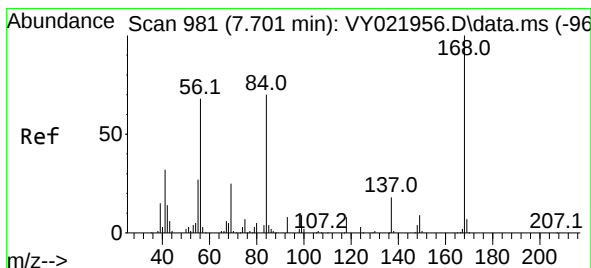
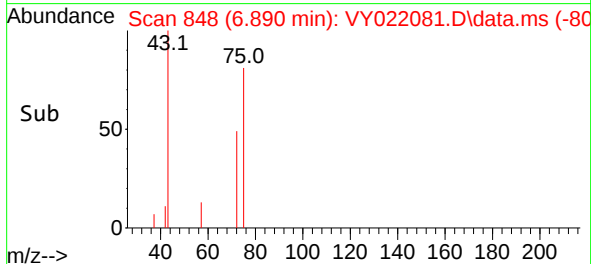
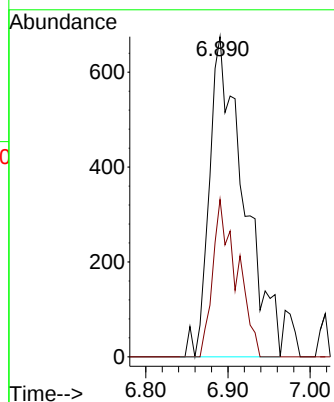
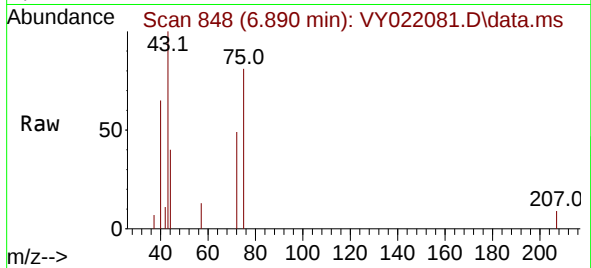




#25
2-Butanone
Concen: 3.147 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

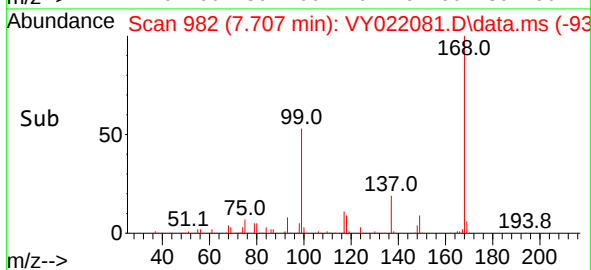
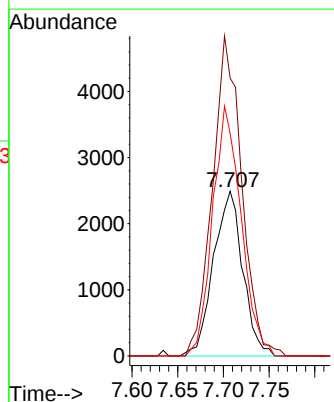
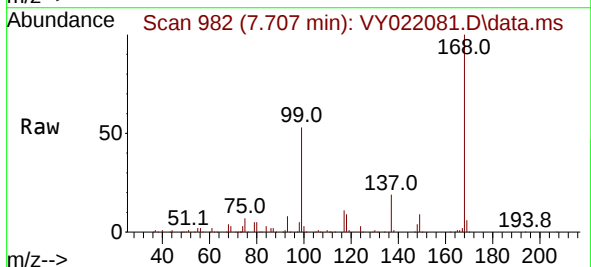
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

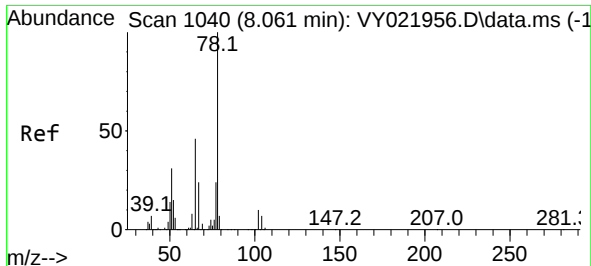
Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
72 49.2 27.0 40.4#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 56 Resp: 5549
Ion Ratio Lower Upper
56 100
69 168.8 29.4 44.2#
84 135.3 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 54.159 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022081.D

Acq: 30 Apr 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

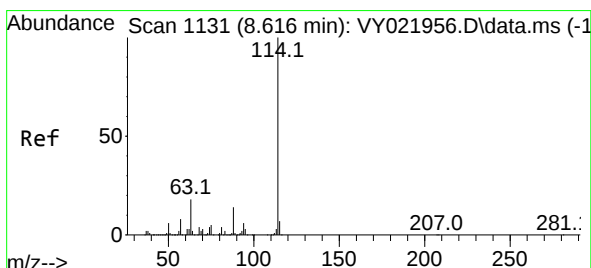
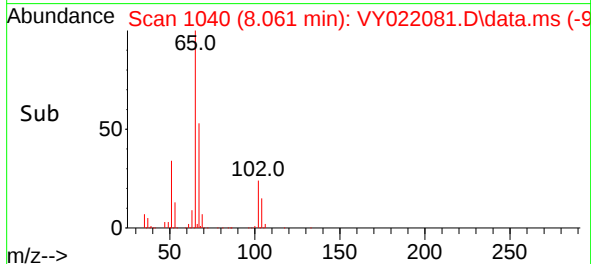
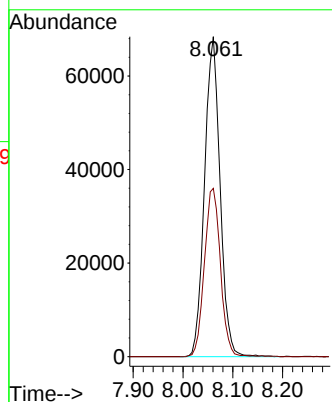
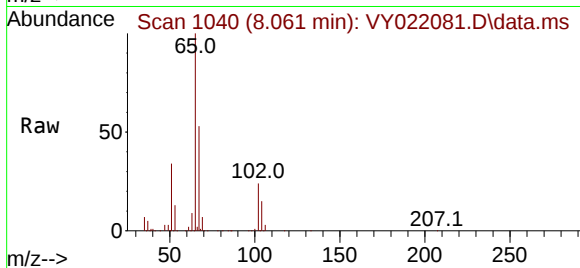
OU4-PCS-TC-31-042325

Tgt Ion: 65 Resp: 148075

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022081.D

Acq: 30 Apr 2025 14:21

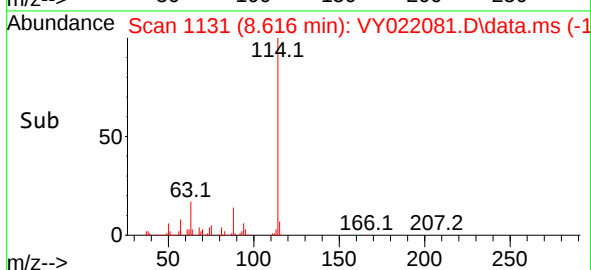
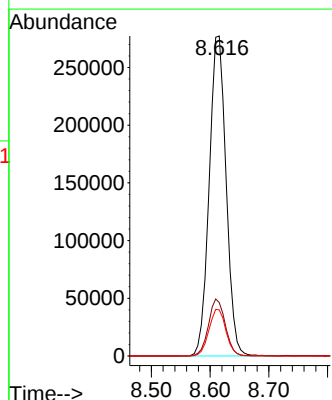
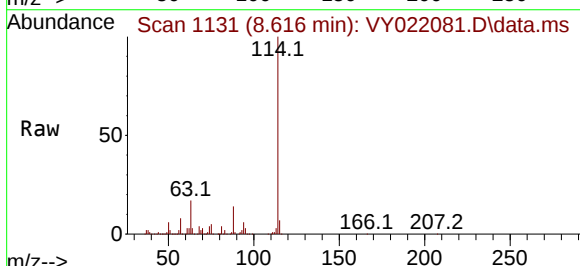
Tgt Ion: 114 Resp: 553937

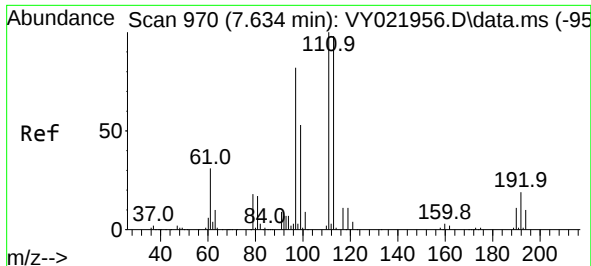
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

88 14.4 0.0 28.2

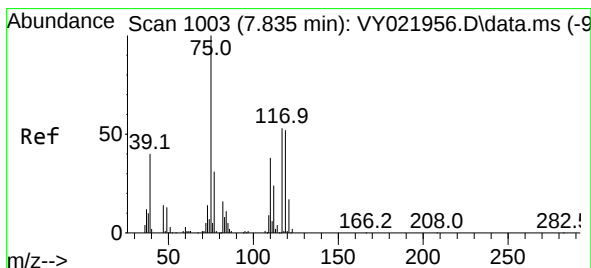
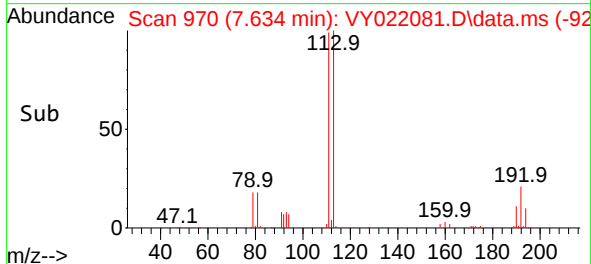
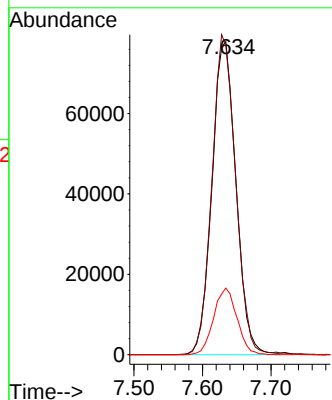
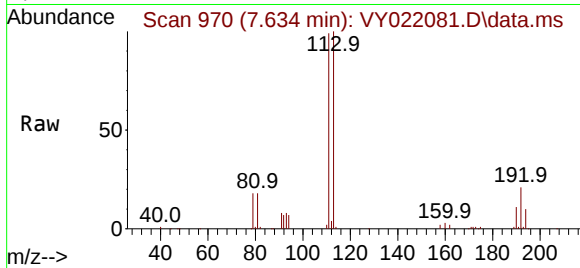




#35
Dibromofluoromethane
Concen: 51.791 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

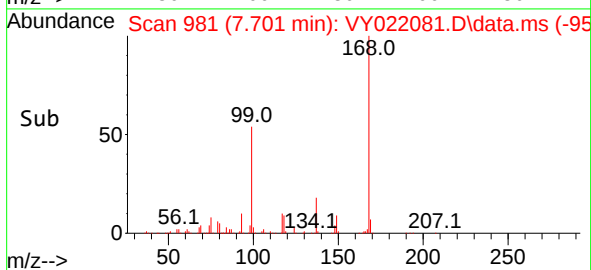
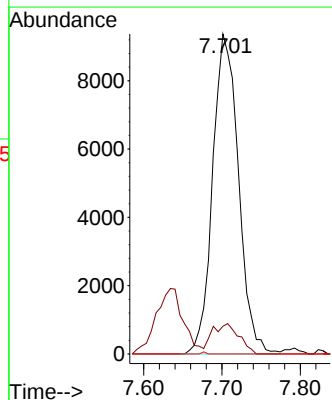
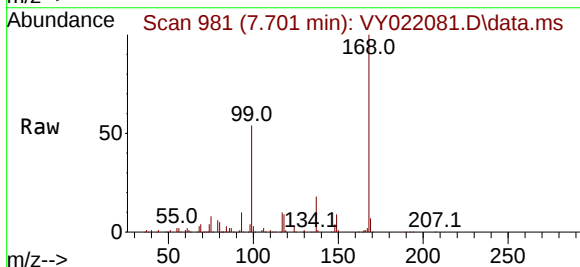
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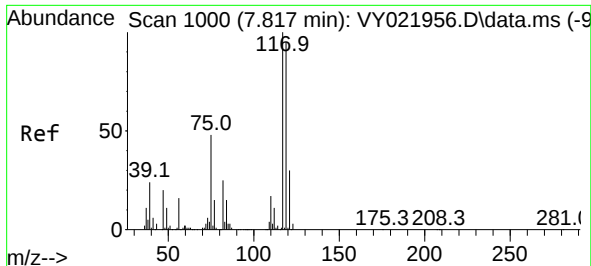
Tgt Ion:113 Resp: 189534
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.8
192 20.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 75 Resp: 21477
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.0 25.5 38.3#

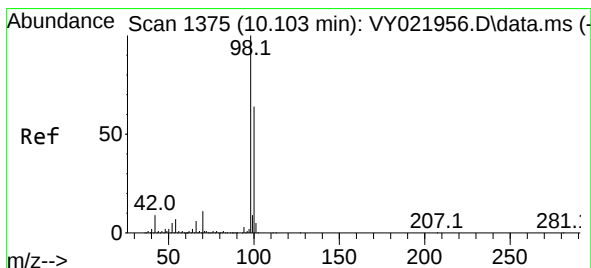
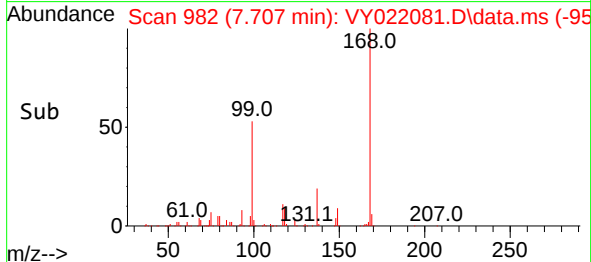
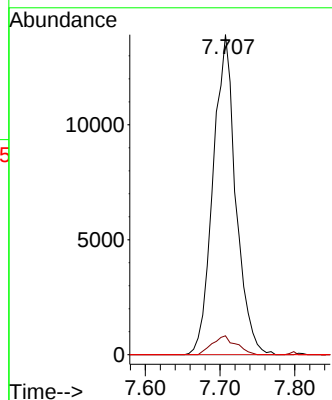
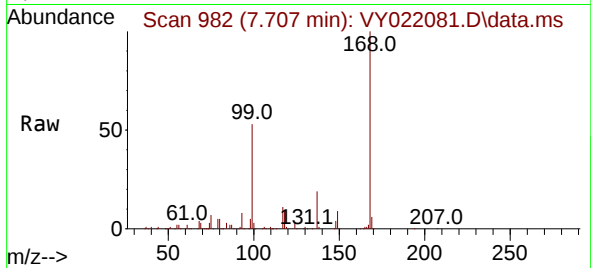




#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

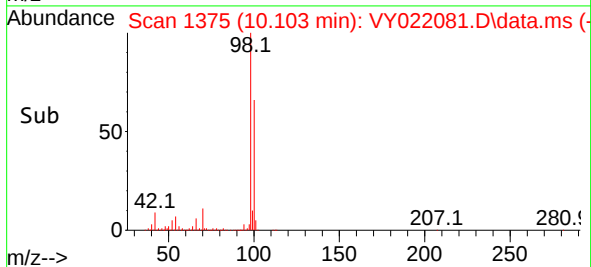
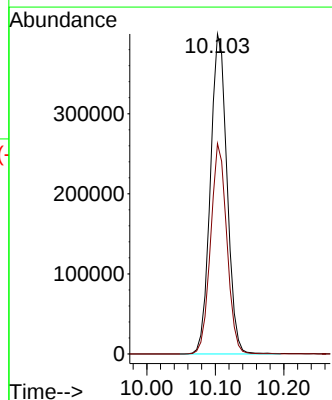
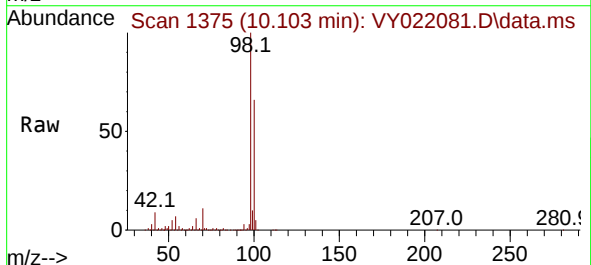
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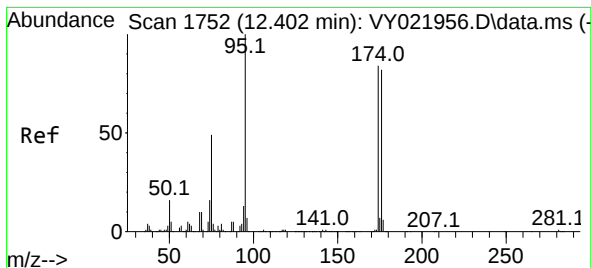
Tgt Ion:117 Resp: 29445
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.704 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 98 Resp: 671949
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

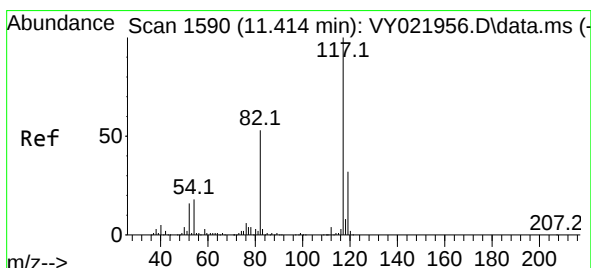
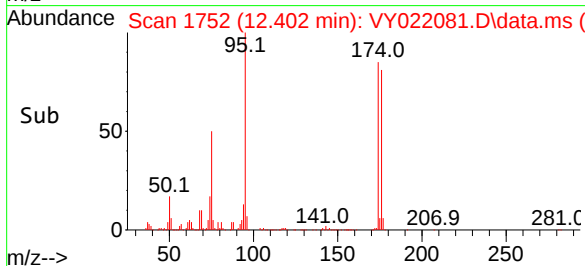
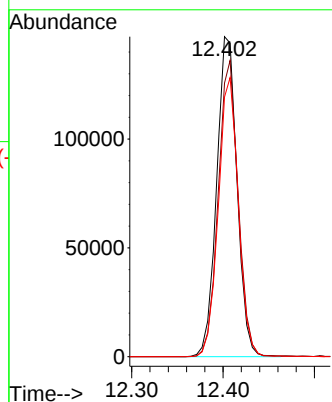
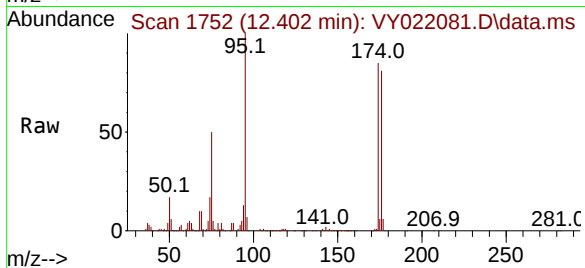




#62
4-Bromofluorobenzene
Concen: 49.038 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

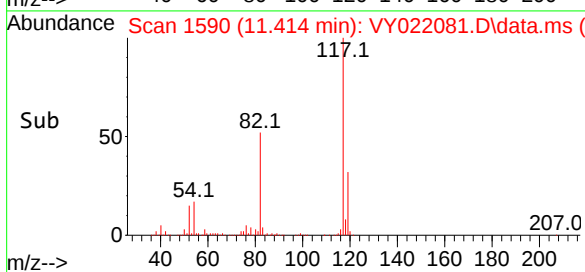
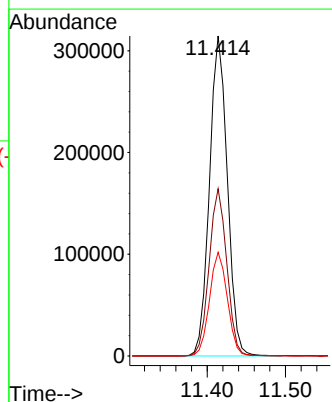
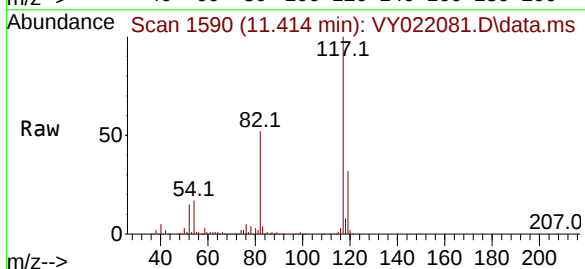
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

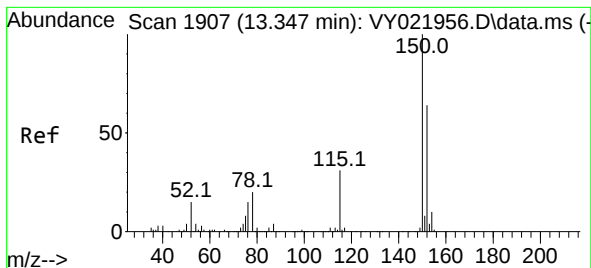
Tgt Ion: 95 Resp: 227756
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.0
176 85.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 117 Resp: 497554
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
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: VY022081.D

Acq: 30 Apr 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-31-042325

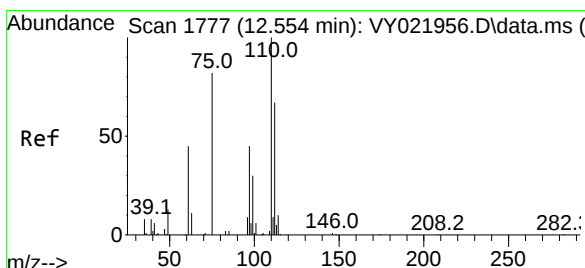
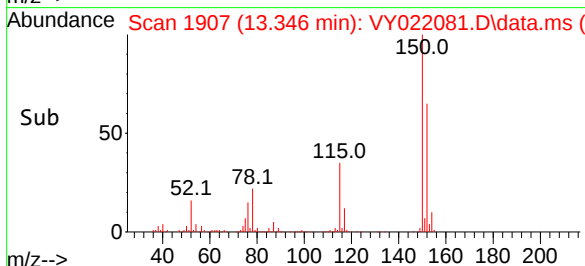
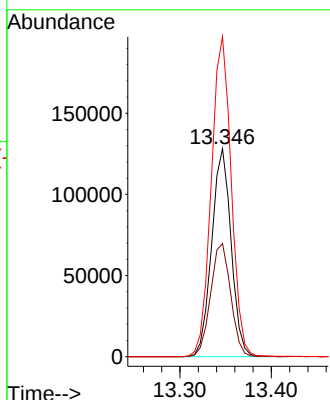
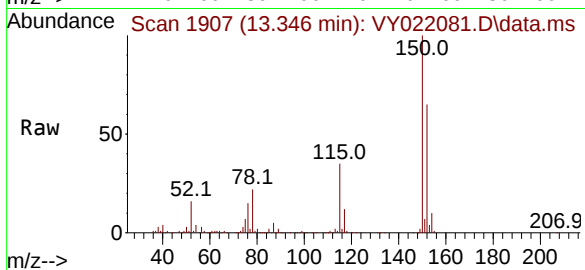
Tgt Ion:152 Resp: 189417

Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 158.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.818 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022081.D

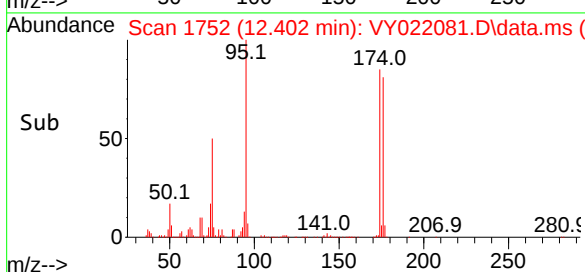
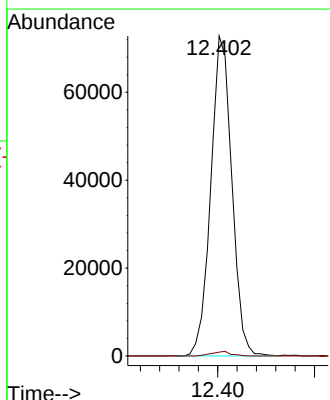
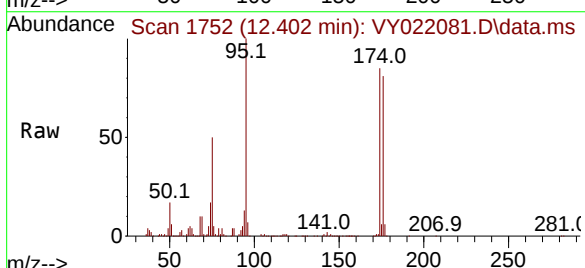
Acq: 30 Apr 2025 14:21

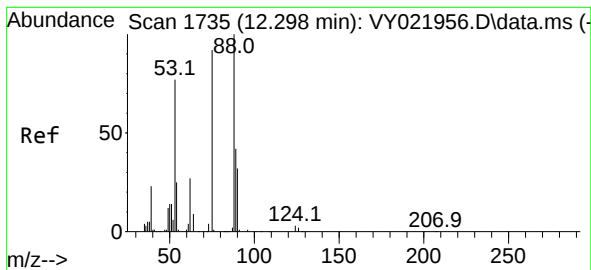
Tgt Ion: 75 Resp: 110032

Ion Ratio Lower Upper

75 100

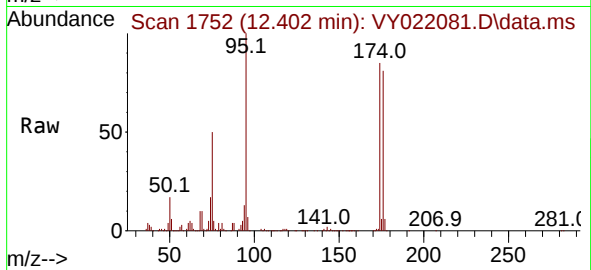
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.317 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022081.D
 Acq: 30 Apr 2025 14:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-31-042325



Tgt Ion: 75 Resp: 110032
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

