

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022285.D
 Acq On : 16 May 2025 12:54
 Operator : SY/MD
 Sample : Q1984-15
 Misc : 3.65g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-28-050725RE

Quant Time: May 17 01:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

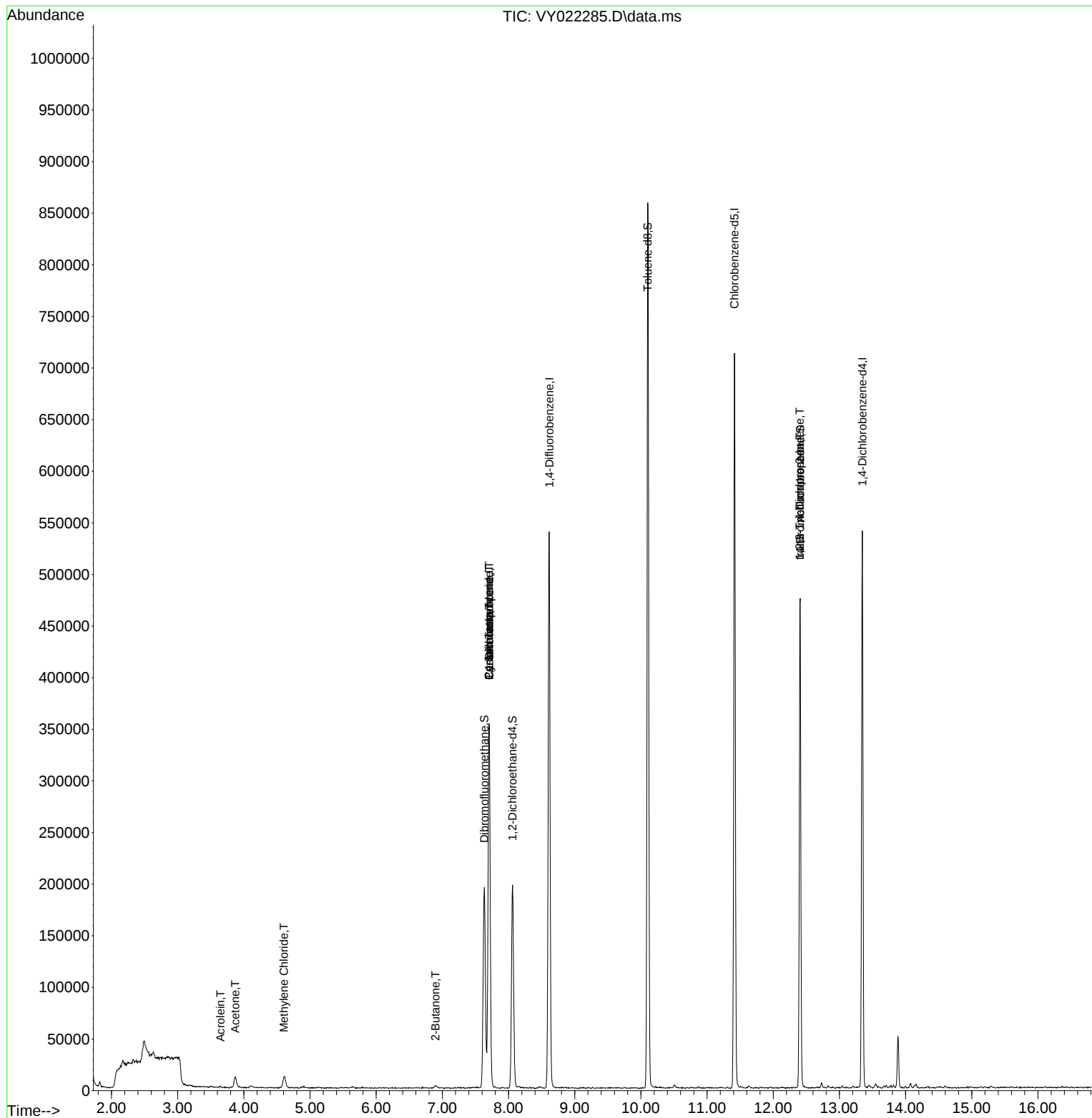
Internal Standards						
1) Pentafluorobenzene	7.707	168	264515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	453356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151263	52.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.640%	
35) Dibromofluoromethane	7.634	113	135143	49.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.880%	
50) Toluene-d8	10.103	98	541839	48.893	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	12.408	95	136267	38.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.580%	
Target Compounds						
					Qvalue	
13) Acrolein	3.647	56	475	1.472	ug/l #	15
16) Acetone	3.872	43	18654	34.413	ug/l	98
20) Methylene Chloride	4.604	84	7586	2.166	ug/l #	84
25) 2-Butanone	6.896	43	2896	3.194	ug/l	96
31) Cyclohexane	7.707	56	7442	1.273	ug/l #	34
36) 1,1-Dichloropropene	7.707	75	22280	4.999	ug/l #	52
38) Carbon Tetrachloride	7.707	117	27425	5.945	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	77334	60.889	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	77334	123.346	ug/l #	12

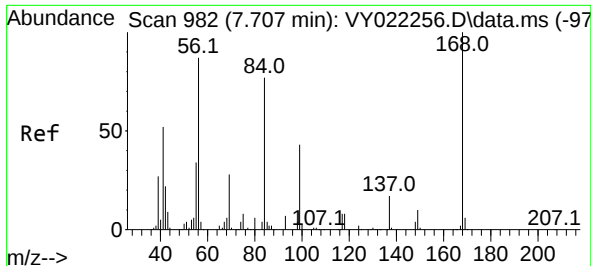
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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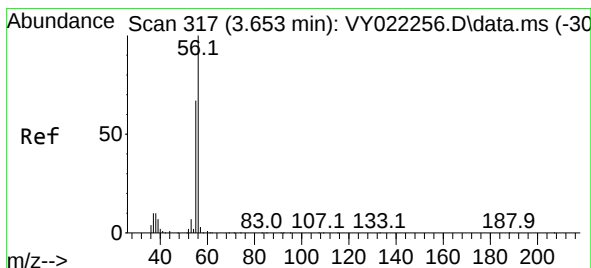
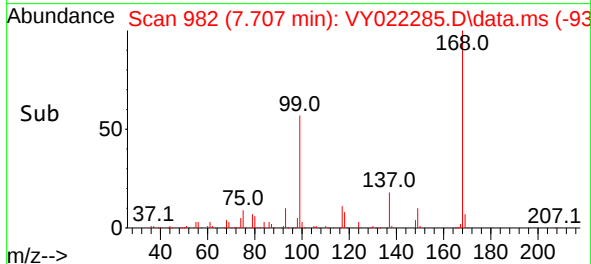
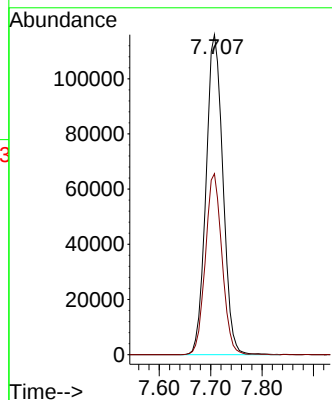
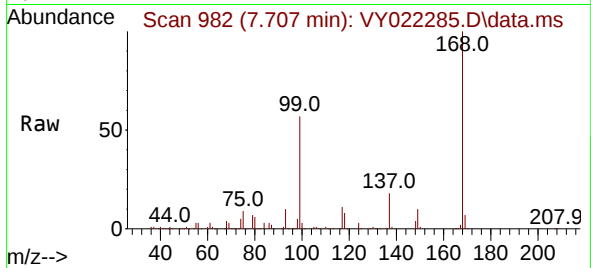




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

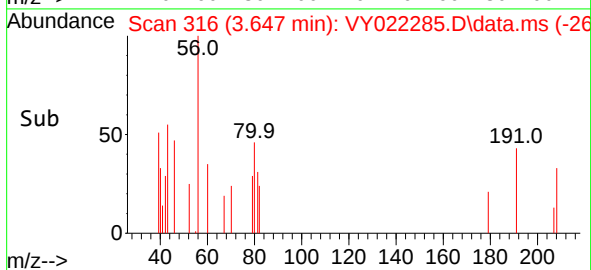
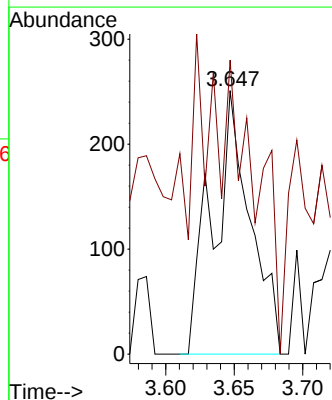
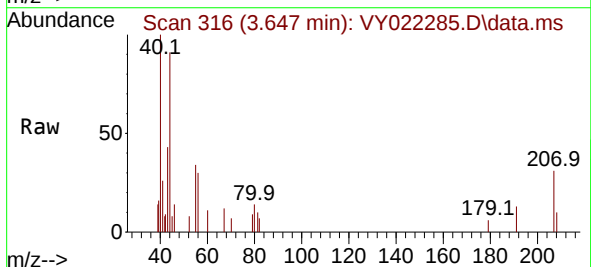
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

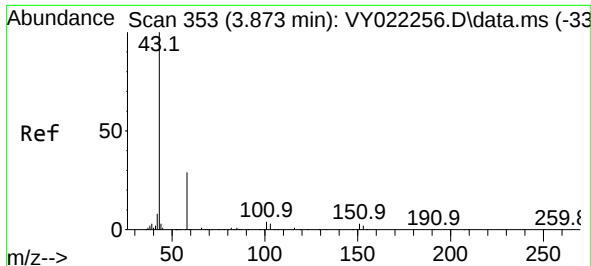
Tgt Ion:168 Resp: 264515
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#13
Acrolein
Concen: 1.472 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 56 Resp: 475
Ion Ratio Lower Upper
56 100
55 0.0 55.6 83.4#

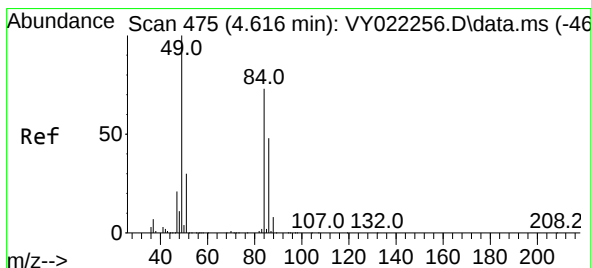
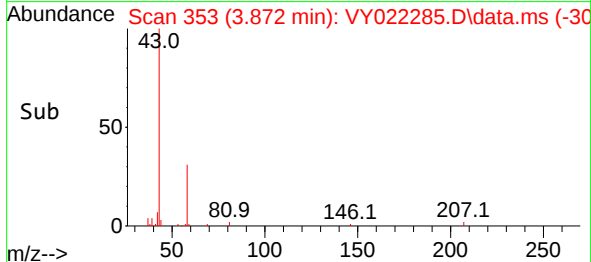
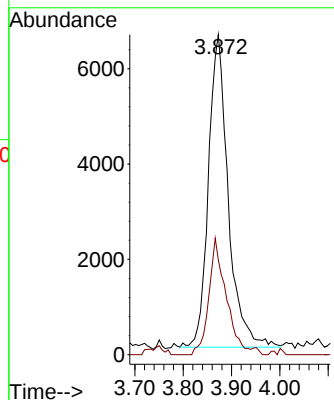
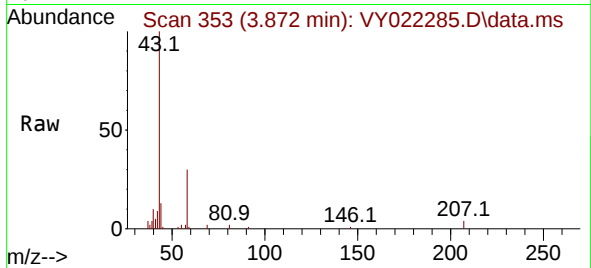




#16
Acetone
Concen: 34.413 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

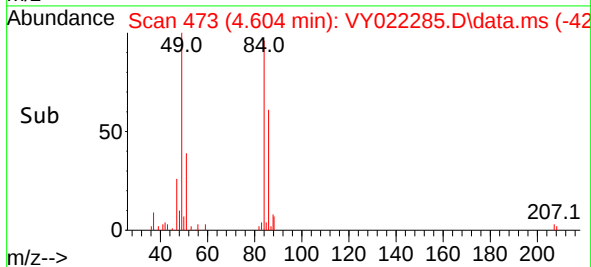
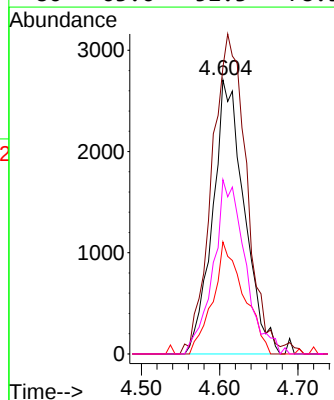
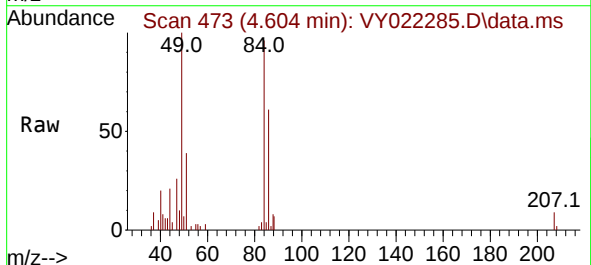
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

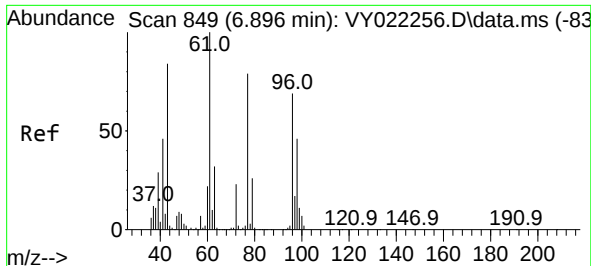
Tgt Ion: 43 Resp: 18654
Ion Ratio Lower Upper
43 100
58 30.4 23.6 35.4



#20
Methylene Chloride
Concen: 2.166 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 84 Resp: 7586
Ion Ratio Lower Upper
84 100
49 104.5 109.6 164.4#
51 40.8 32.4 48.6
86 63.6 52.3 78.5

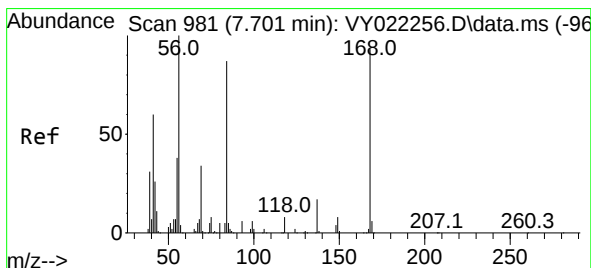
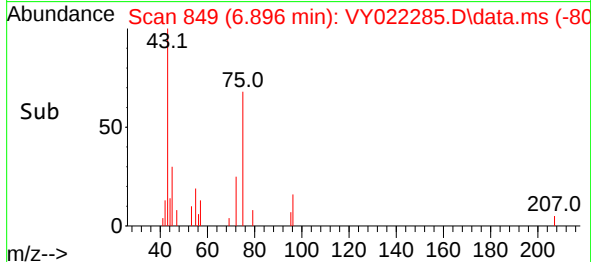
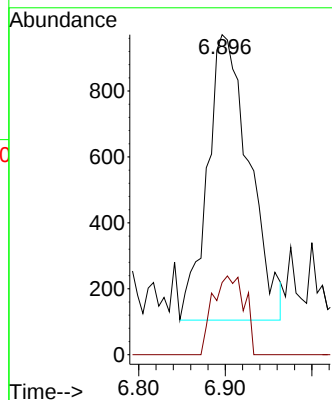
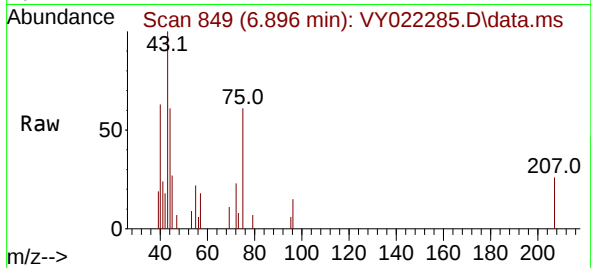




#25
2-Butanone
Concen: 3.194 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

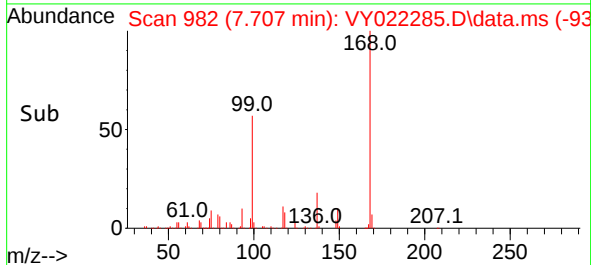
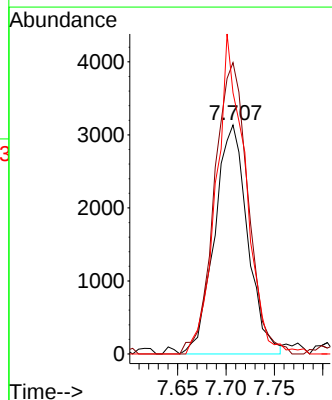
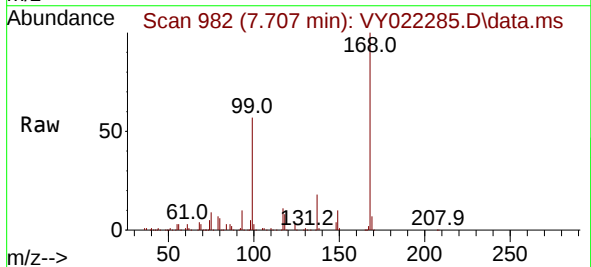
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725RE

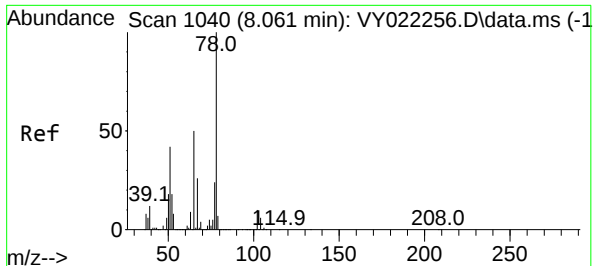
Tgt Ion: 43 Resp: 2896
Ion Ratio Lower Upper
43 100
72 25.3 22.1 33.1



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 56 Resp: 7442
Ion Ratio Lower Upper
56 100
69 127.2 27.4 41.2#
84 114.1 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 52.324 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022285.D

Acq: 16 May 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

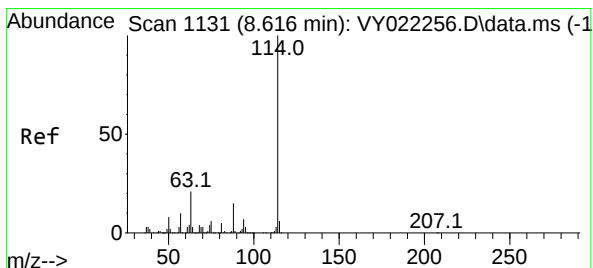
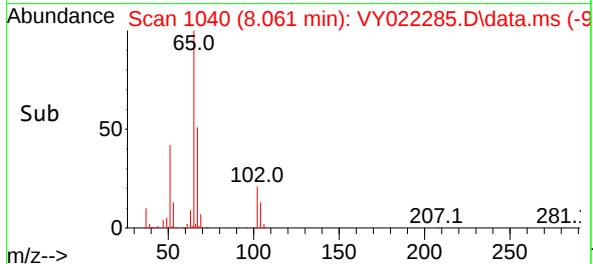
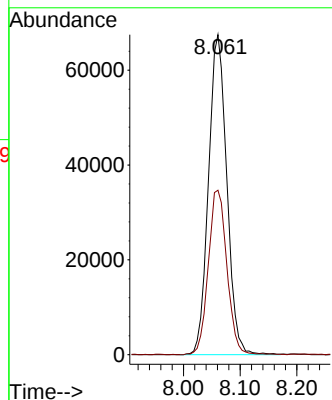
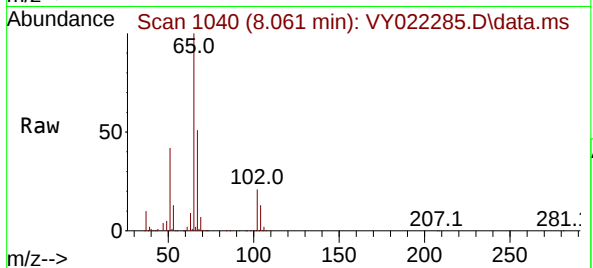
OU4-TS-28-050725RE

Tgt Ion: 65 Resp: 151263

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022285.D

Acq: 16 May 2025 12:54

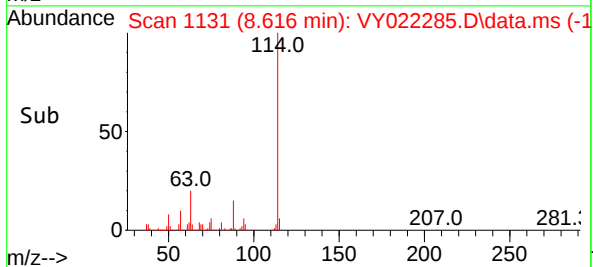
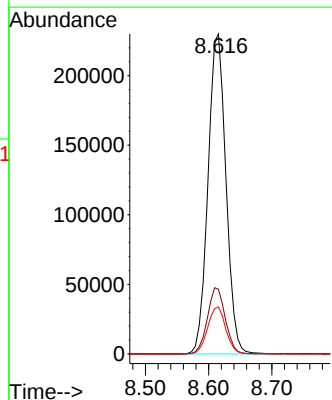
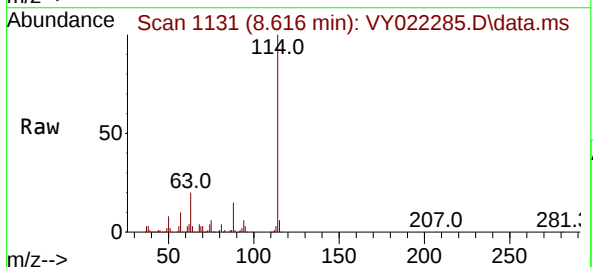
Tgt Ion:114 Resp: 453356

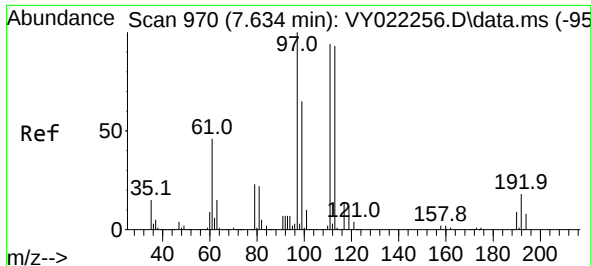
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.7 0.0 29.4

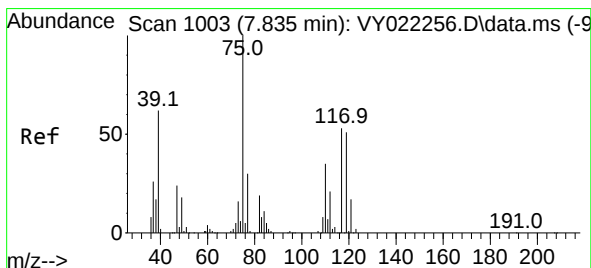
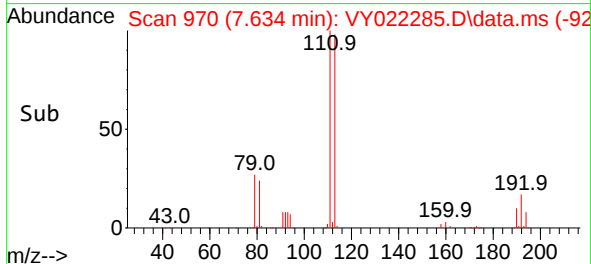
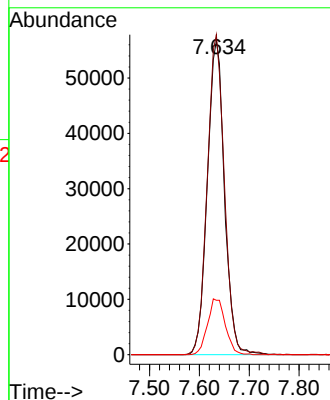
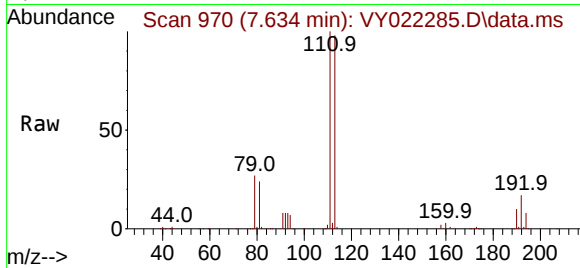




#35
Dibromofluoromethane
Concen: 49.944 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

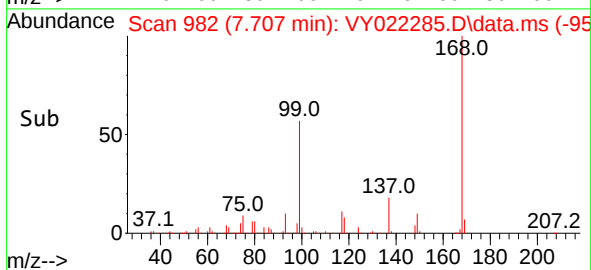
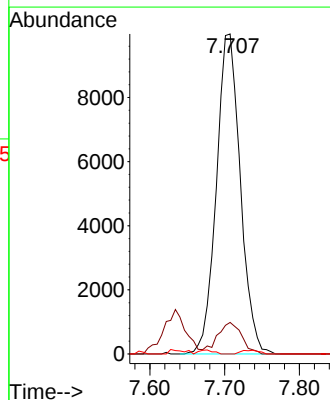
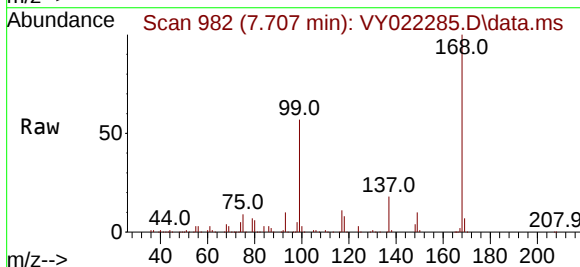
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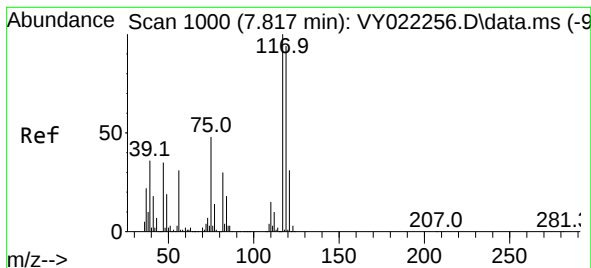
Tgt Ion:113 Resp: 135143
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 18.5 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.999 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 75 Resp: 22280
Ion Ratio Lower Upper
75 100
110 10.0 16.6 49.8#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.945 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022285.D

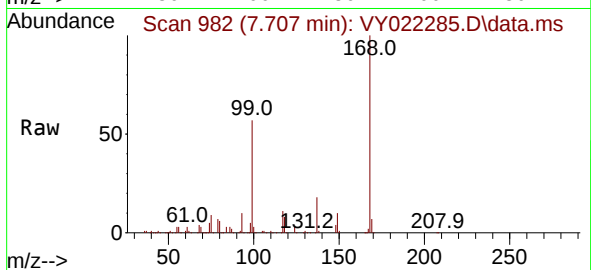
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Instrument :

MSVOA_Y

ClientSampleId :

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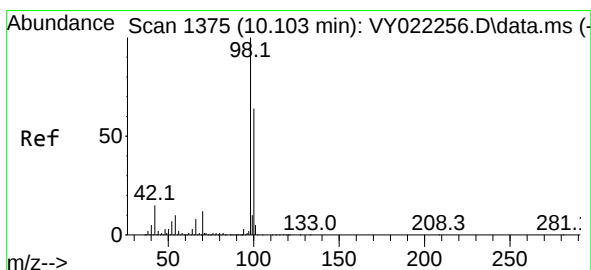
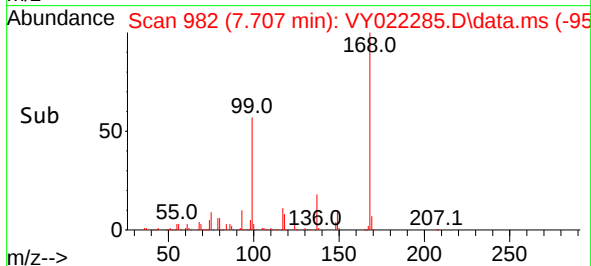
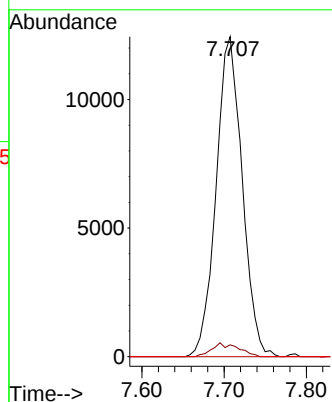
Tgt Ion:117 Resp: 27425

Ion Ratio Lower Upper

117 100

119 3.7 75.3 112.9#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 48.893 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022285.D

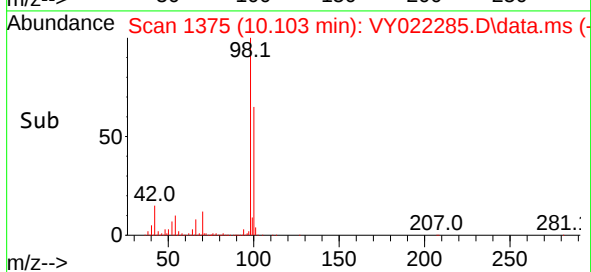
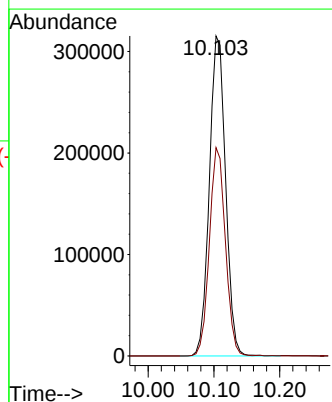
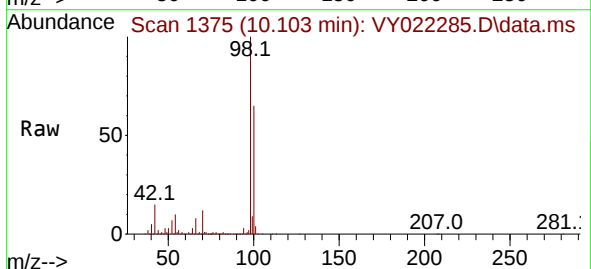
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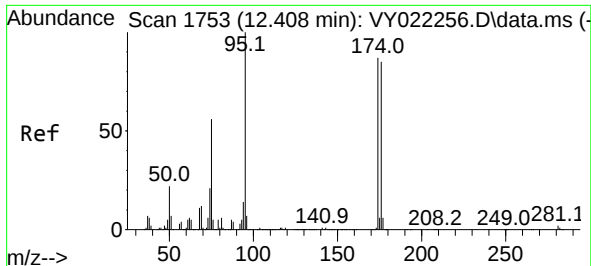
Tgt Ion: 98 Resp: 541839

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8

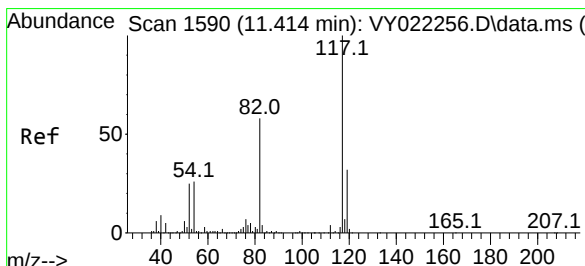
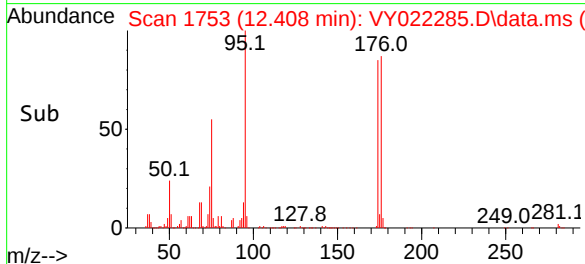
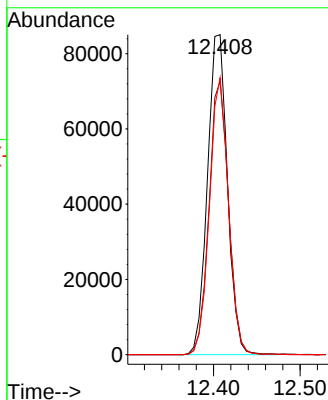
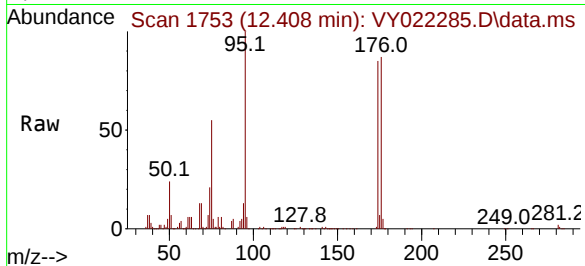




#62
4-Bromofluorobenzene
Concen: 38.793 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

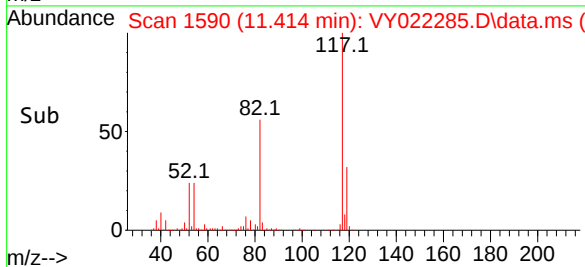
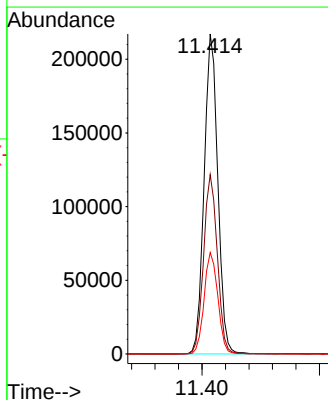
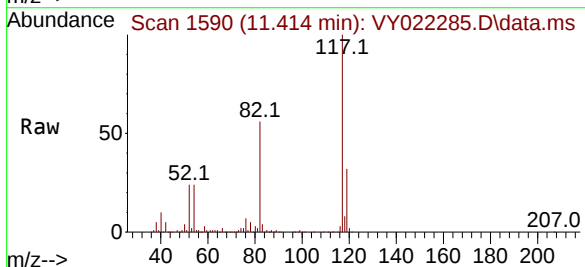
Instrument :
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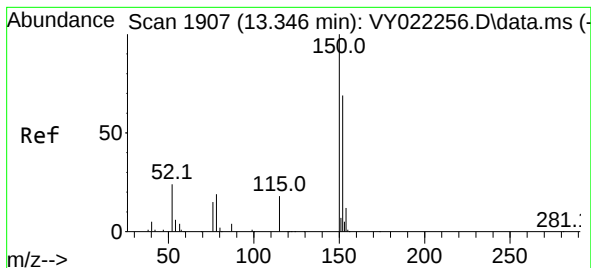
Tgt Ion: 95 Resp: 136267
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.8
176 82.2 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022285.D
Acq: 16 May 2025 12:54

Tgt Ion: 117 Resp: 350356
Ion Ratio Lower Upper
117 100
82 56.1 46.6 70.0
119 31.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022285.D

Acq: 16 May 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725RE

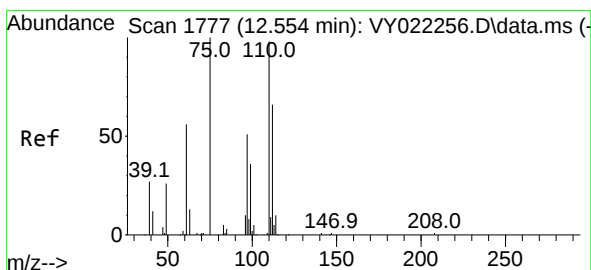
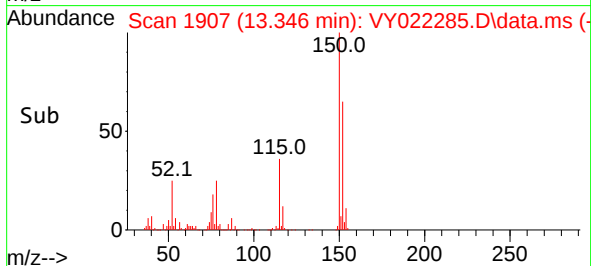
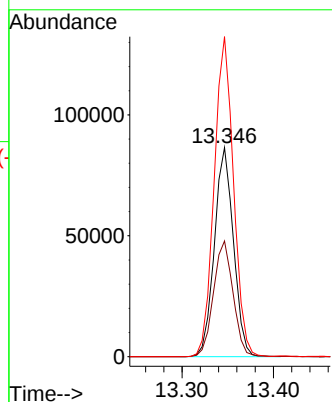
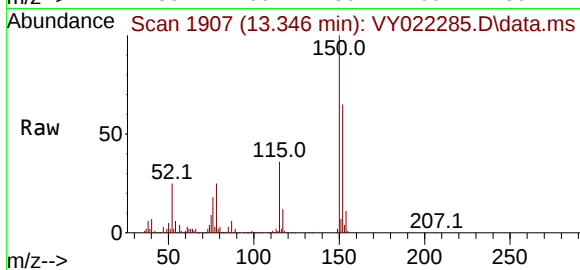
Tgt Ion:152 Resp: 125365

Ion Ratio Lower Upper

152 100

115 56.8 29.4 88.2

150 155.2 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 60.889 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022285.D

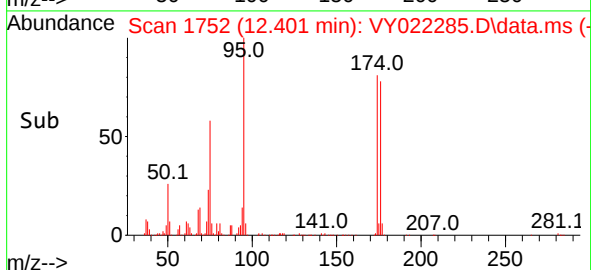
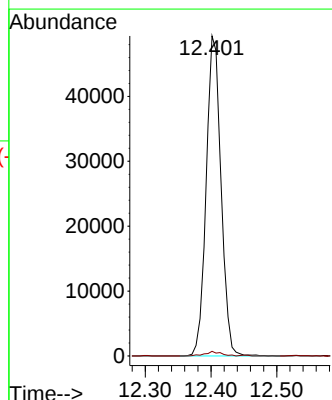
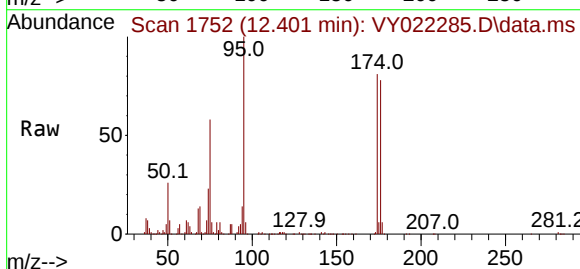
Acq: 16 May 2025 12:54

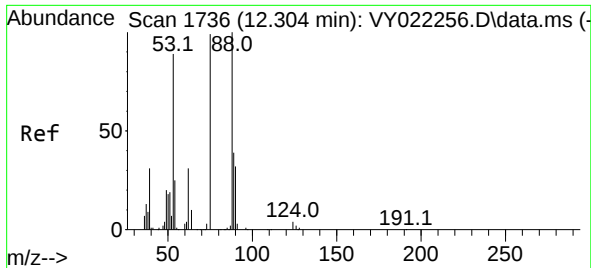
Tgt Ion: 75 Resp: 77334

Ion Ratio Lower Upper

75 100

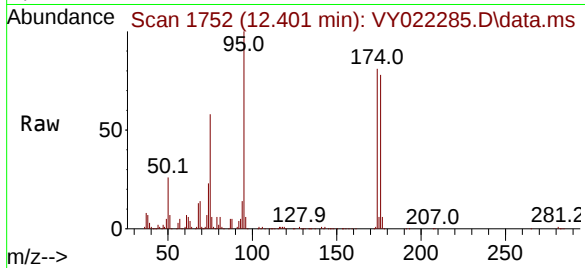
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.346 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022285.D
 Acq: 16 May 2025 12:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-28-050725RE



Tgt Ion: 75 Resp: 77334
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.1 36.2 54.2#

