

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022337.D
 Acq On : 20 May 2025 13:01
 Operator : SY/MD
 Sample : Q2056-03
 Misc : 7.95g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD13

Quant Time: May 21 01:47:35 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)

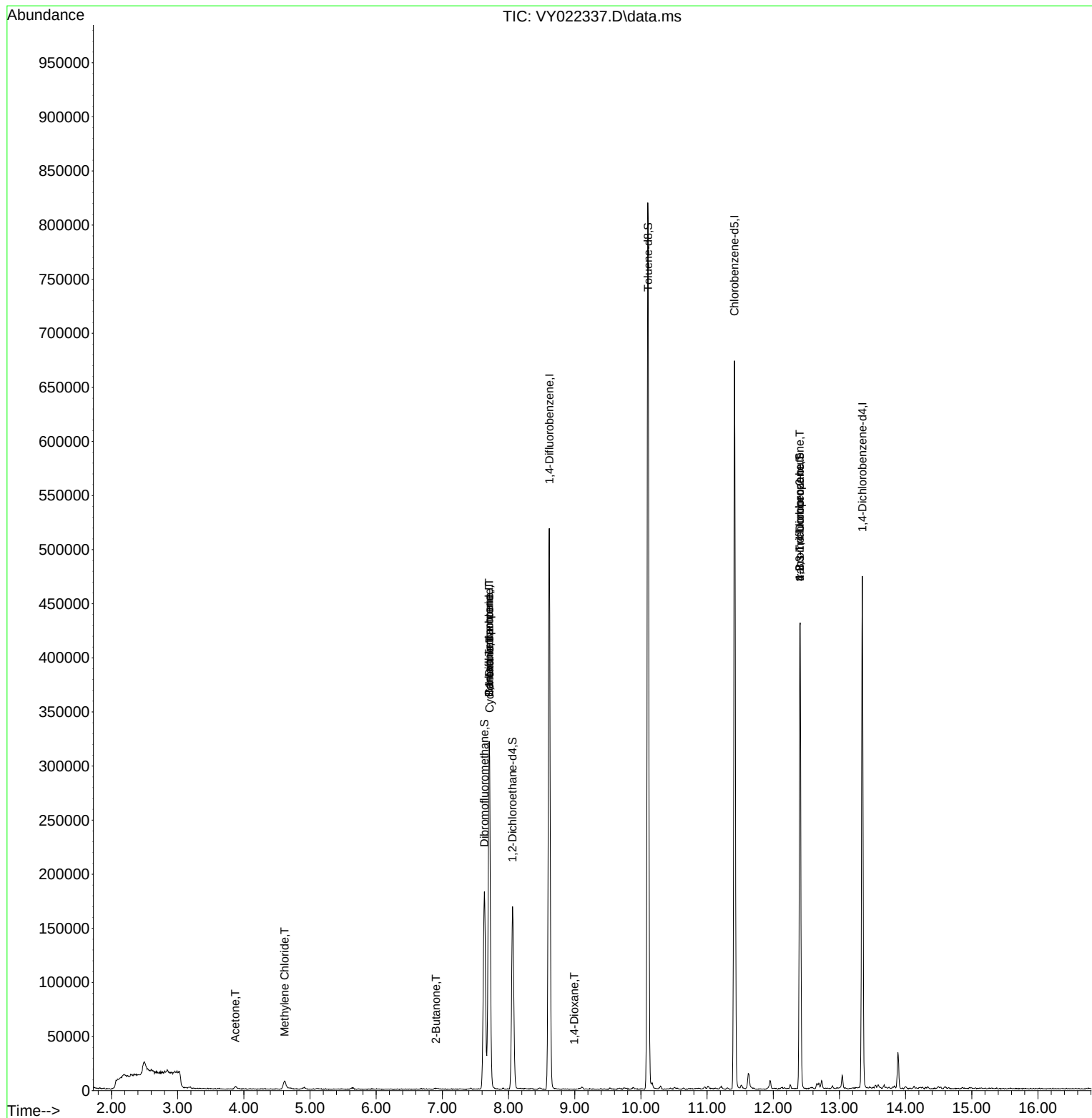
Internal Standards						
1) Pentafluorobenzene	7.707	168	244549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	431792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	328152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	107238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126949	47.499	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.000%		
35) Dibromofluoromethane	7.634	113	125678	48.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.540%		
50) Toluene-d8	10.109	98	513211	48.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.240%		
62) 4-Bromofluorobenzene	12.402	95	123075	36.787	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.580%		
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	4316	8.612	ug/l	97
20) Methylene Chloride	4.616	84	5384	1.663	ug/l #	88
25) 2-Butanone	6.903	43	1362	1.625	ug/l	92
31) Cyclohexane	7.713	56	6749	1.248	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	20719	4.881	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24761	5.635	ug/l #	19
49) 1,4-Dioxane	8.994	88	20	1.082	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	70161	64.579	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	70161	130.821	ug/l #	12

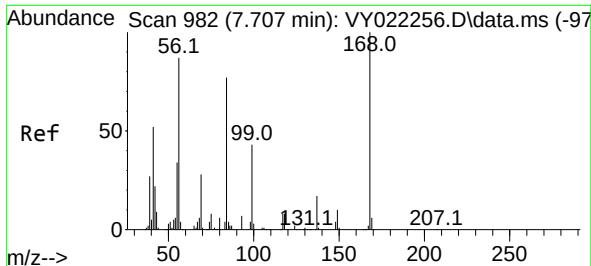
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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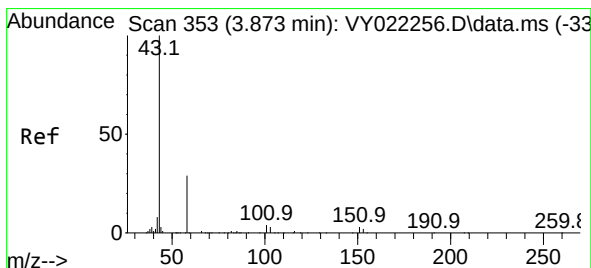
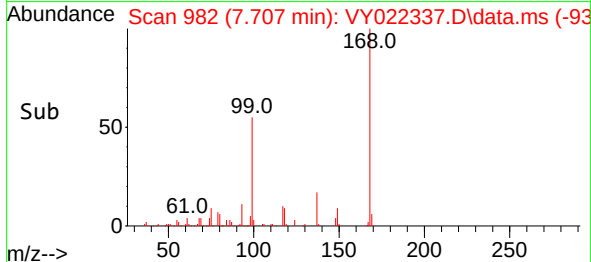
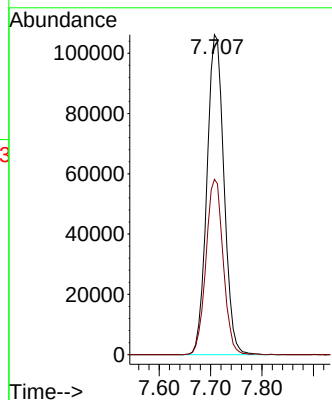
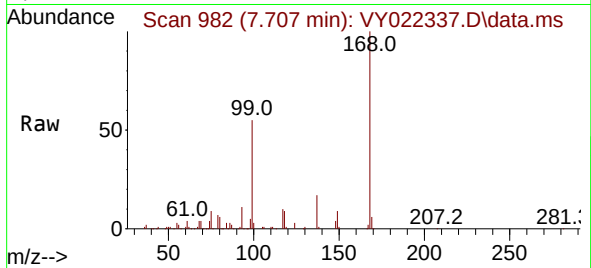




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

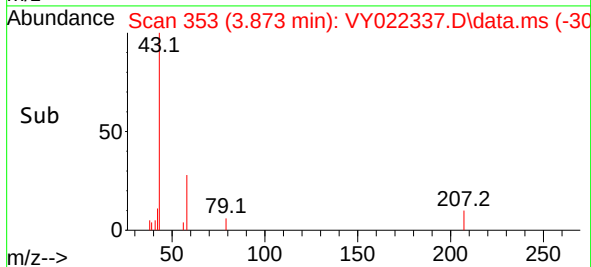
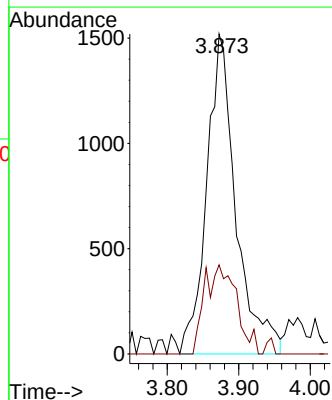
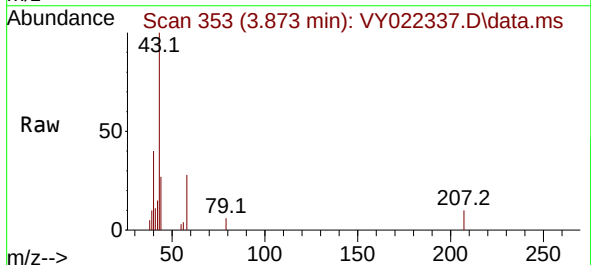
Instrument :
MSVOA_Y
ClientSampleId :
GVD13

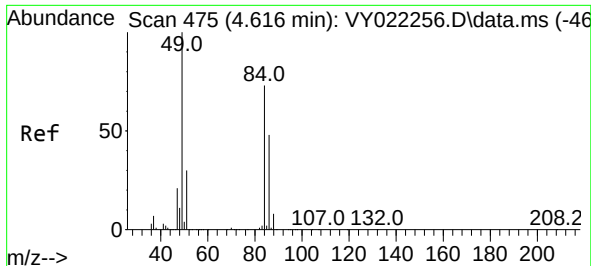
Tgt Ion:168 Resp: 244549
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#16
Acetone
Concen: 8.612 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion: 43 Resp: 4316
Ion Ratio Lower Upper
43 100
58 27.8 23.6 35.4

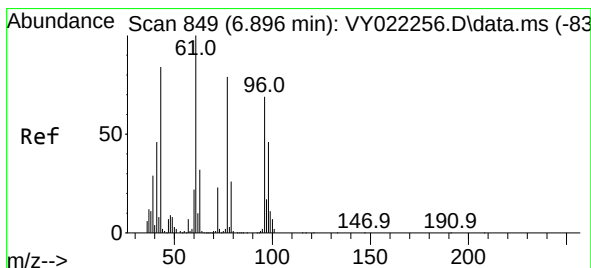
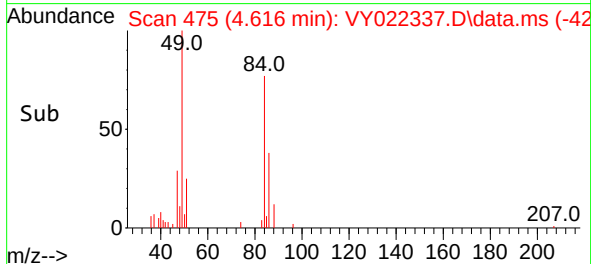
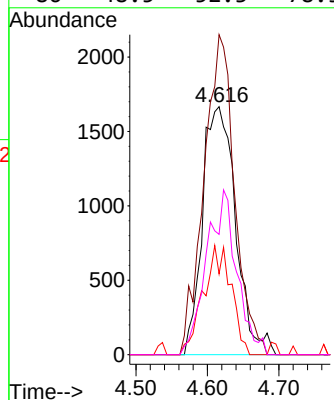
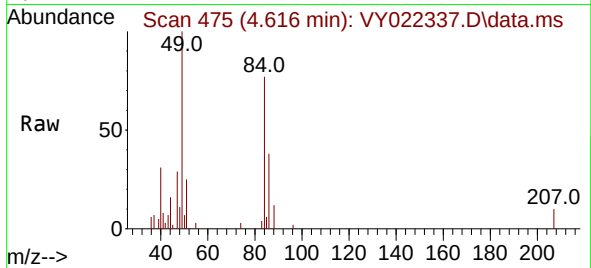




#20
Methylene Chloride
Concen: 1.663 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

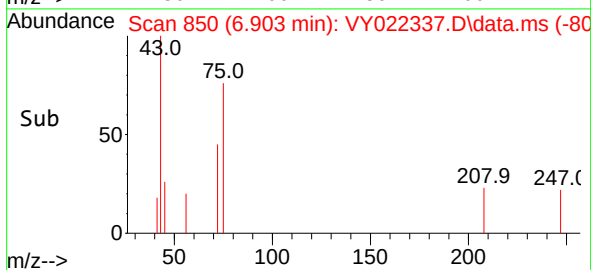
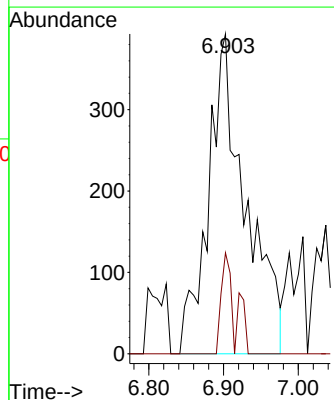
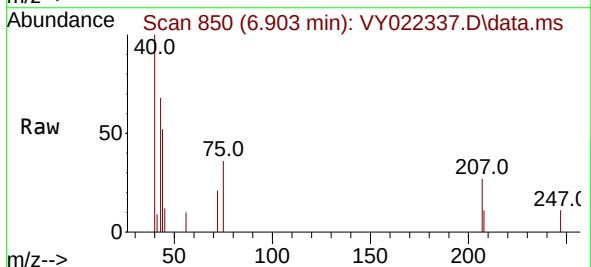
Instrument :
MSVOA_Y
ClientSampleId :
GVD13

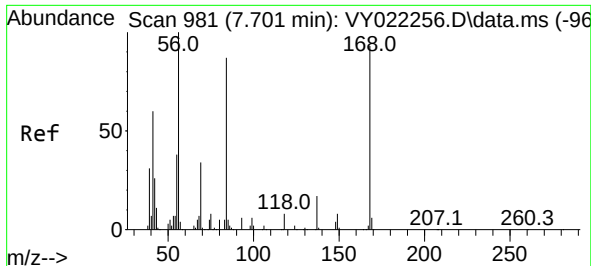
Tgt Ion:	84	Resp:	5384
Ion	Ratio	Lower	Upper
84	100		
49	129.0	109.6	164.4
51	32.6	32.4	48.6
86	48.5	52.3	78.5#



#25
2-Butanone
Concen: 1.625 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion:	43	Resp:	1362
Ion	Ratio	Lower	Upper
43	100		
72	31.6	22.1	33.1

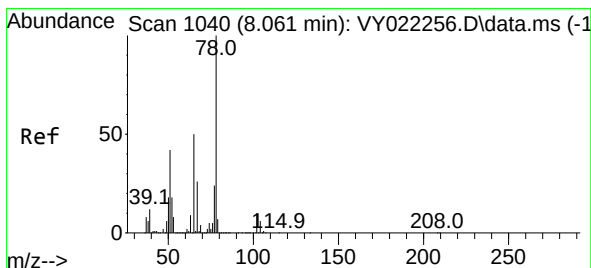
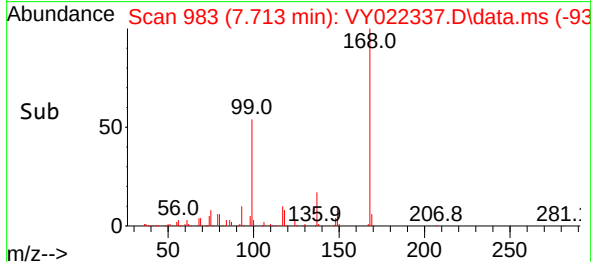
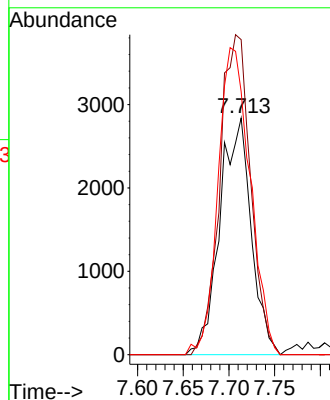
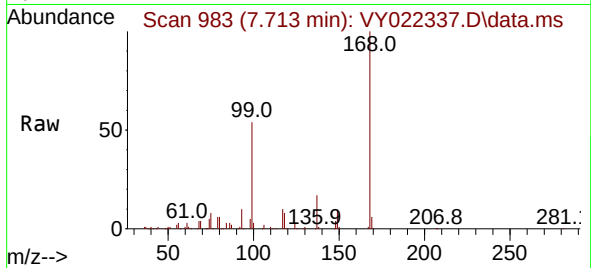




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

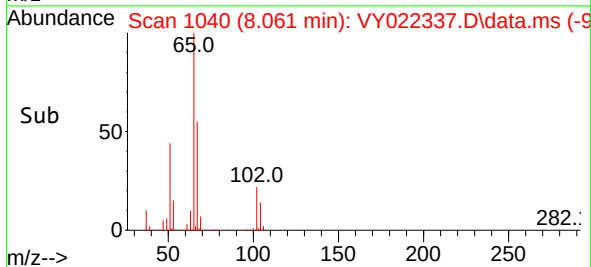
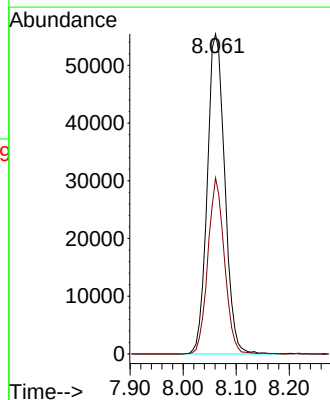
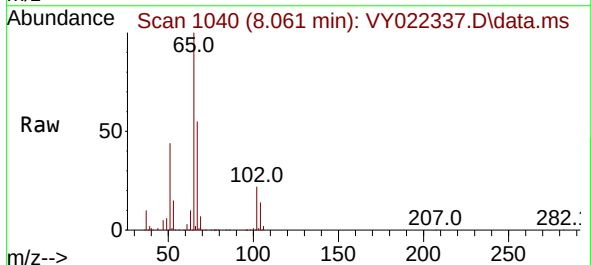
Instrument :
MSVOA_Y
ClientSampleId :
GVD13

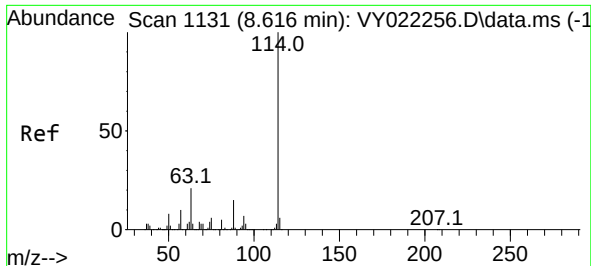
Tgt Ion: 56 Resp: 6749
Ion Ratio Lower Upper
56 100
69 133.1 27.4 41.2#
84 111.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.499 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion: 65 Resp: 126949
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6

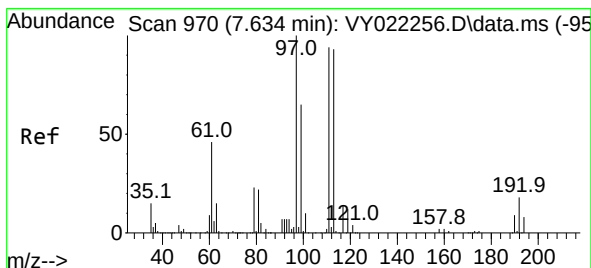
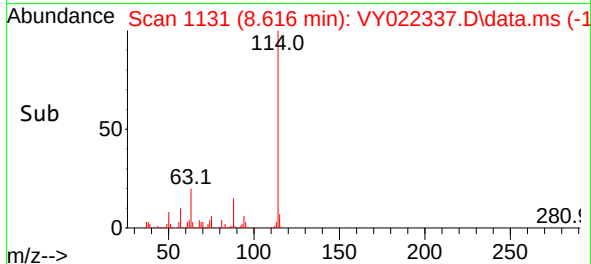
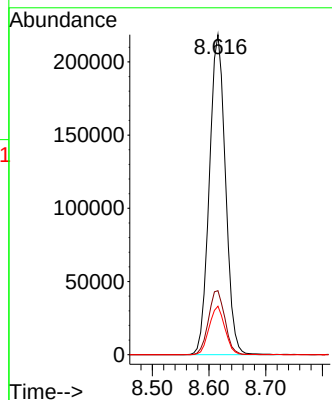
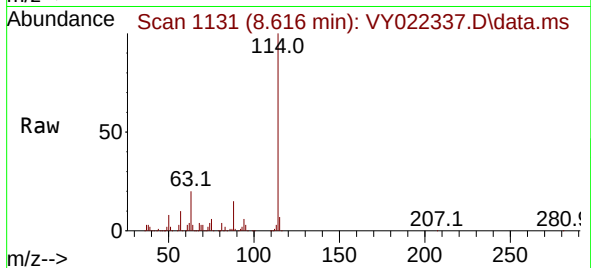




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

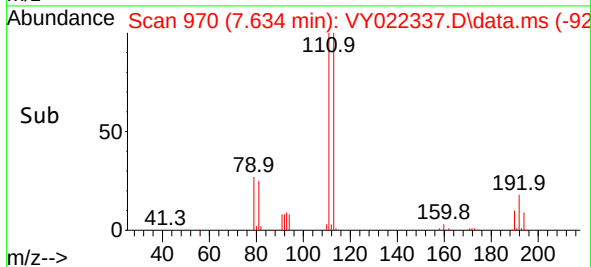
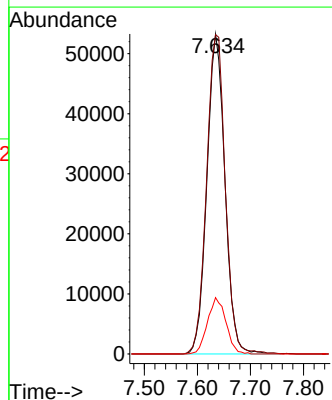
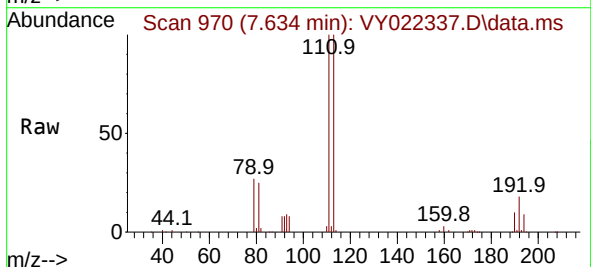
Instrument :
MSVOA_Y
ClientSampleId :
GVD13

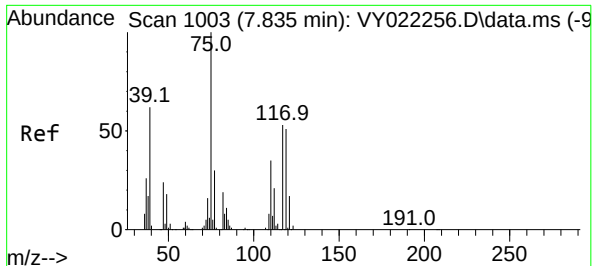
Tgt Ion:114 Resp: 431792
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.0
88 15.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.766 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion:113 Resp: 125678
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 18.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.881 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY022337.D

Acq: 20 May 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

GVD13

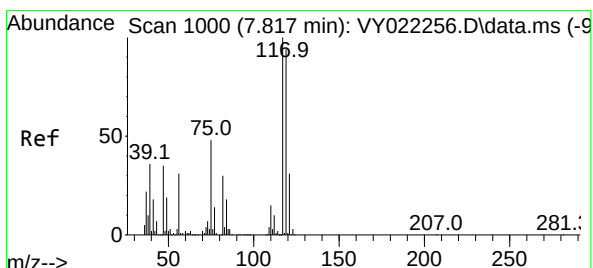
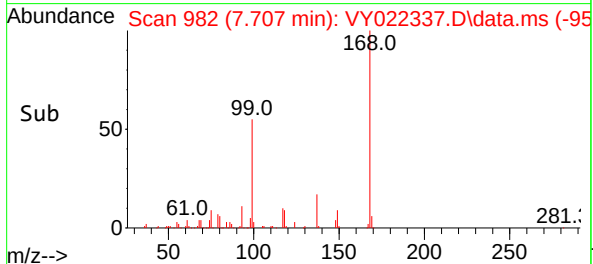
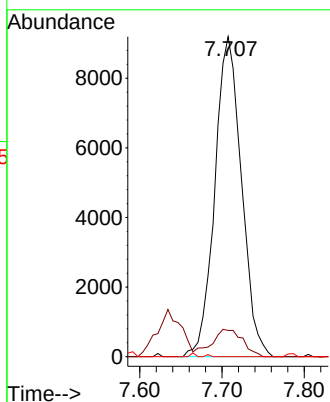
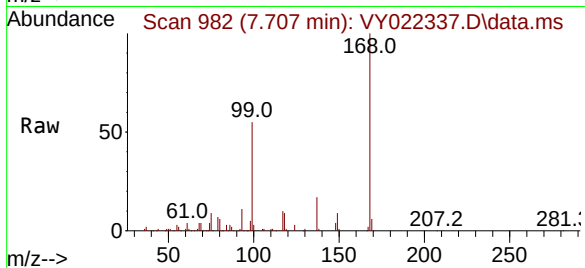
Tgt Ion: 75 Resp: 20719

Ion Ratio Lower Upper

75 100

110 9.5 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.635 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022337.D

Acq: 20 May 2025 13:01

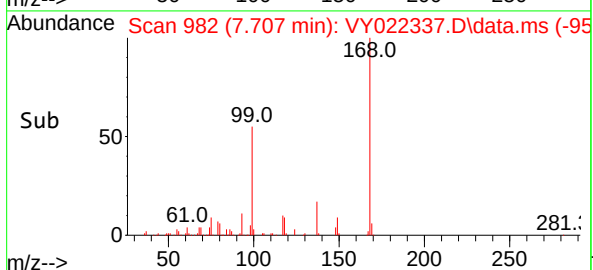
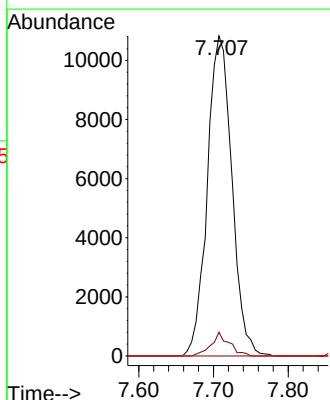
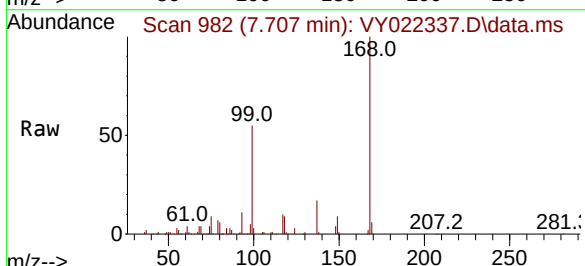
Tgt Ion: 117 Resp: 24761

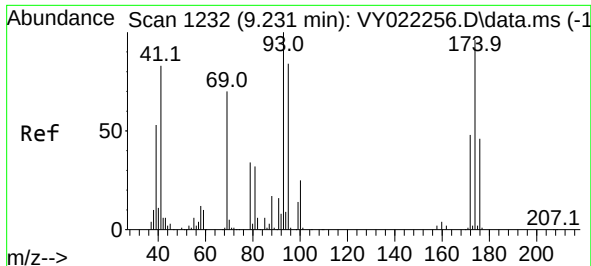
Ion Ratio Lower Upper

117 100

119 7.4 75.3 112.9#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.082 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.238 min

Lab File: VY022337.D

Acq: 20 May 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

GVD13

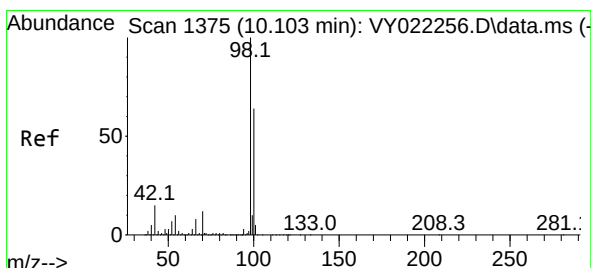
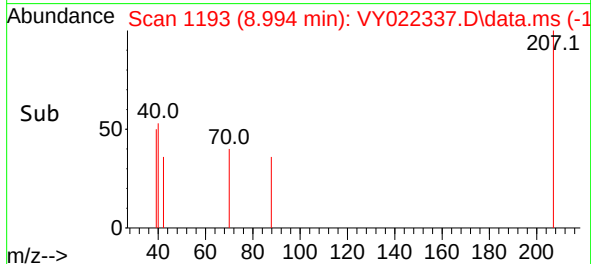
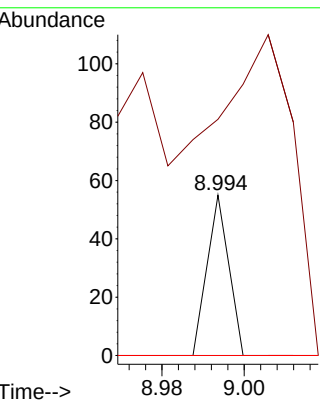
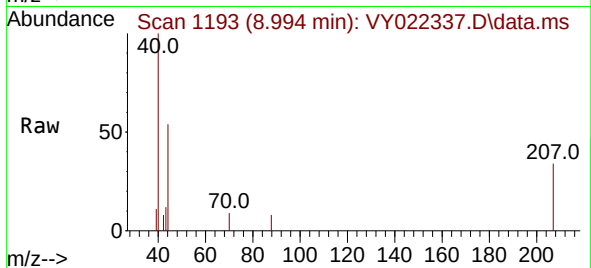
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 665.0 28.5 42.7#

58 0.0 61.4 92.2#



#50

Toluene-d8

Concen: 48.622 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022337.D

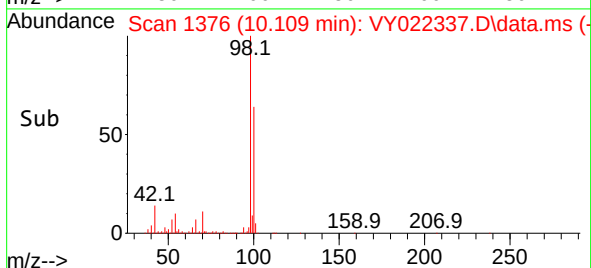
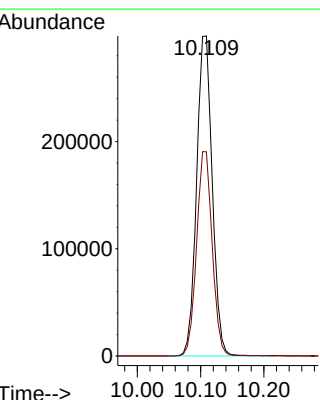
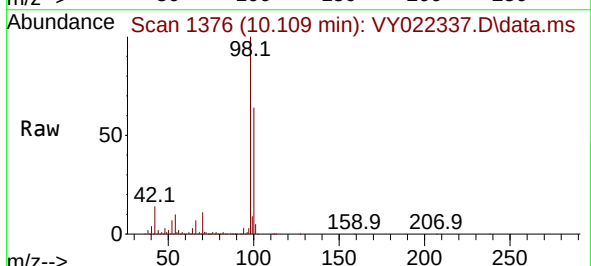
Acq: 20 May 2025 13:01

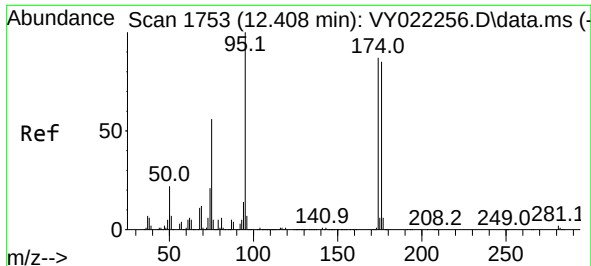
Tgt Ion: 98 Resp: 513211

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8

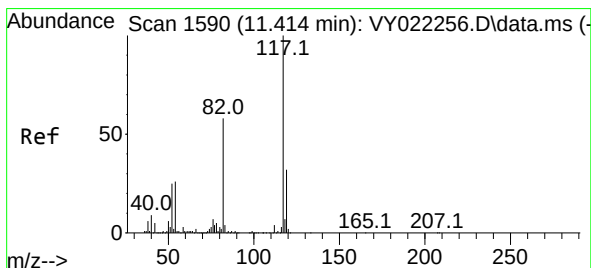
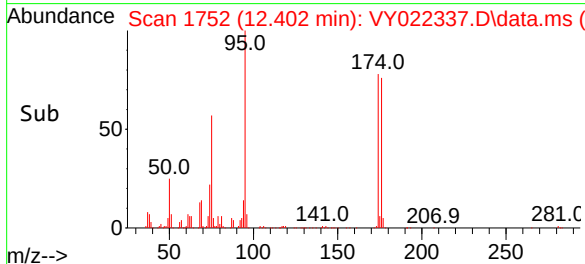
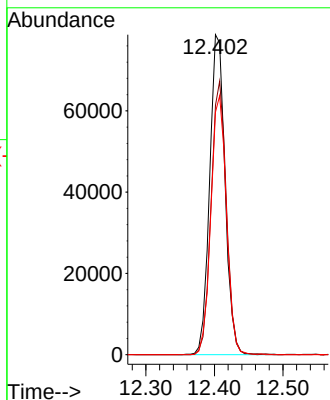
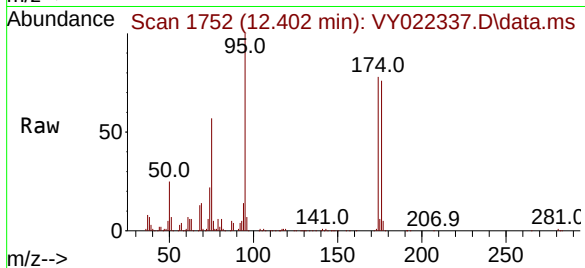




#62
4-Bromofluorobenzene
Concen: 36.787 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

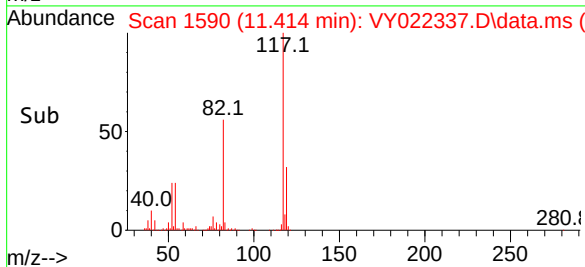
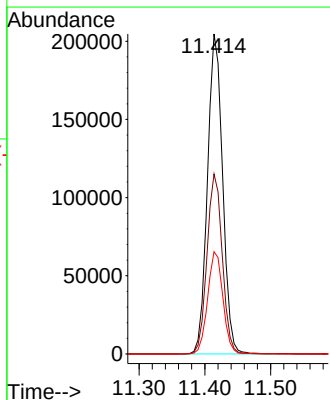
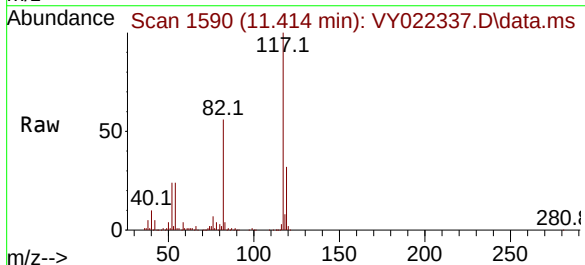
Instrument :
MSVOA_Y
ClientSampleId :
GVD13

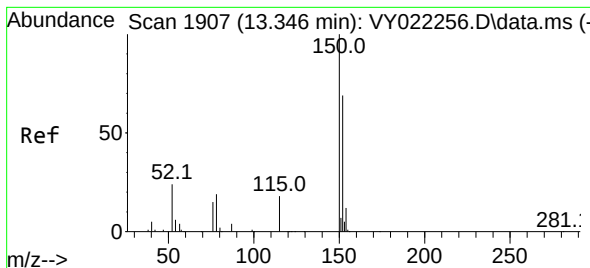
Tgt Ion: 95 Resp: 123075
Ion Ratio Lower Upper
95 100
174 84.8 0.0 166.8
176 81.7 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion: 117 Resp: 328152
Ion Ratio Lower Upper
117 100
82 56.2 46.6 70.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022337.D

Acq: 20 May 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

GVD13

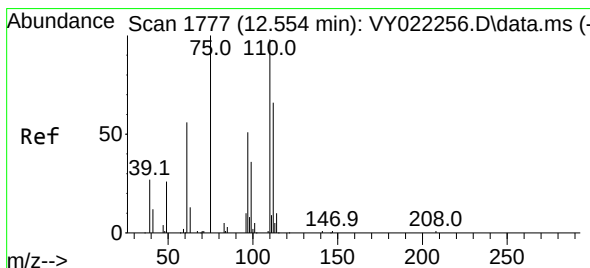
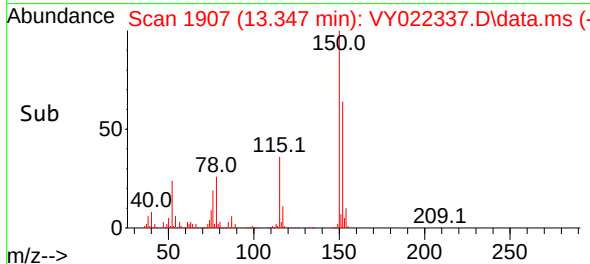
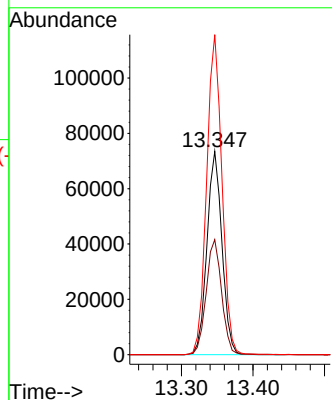
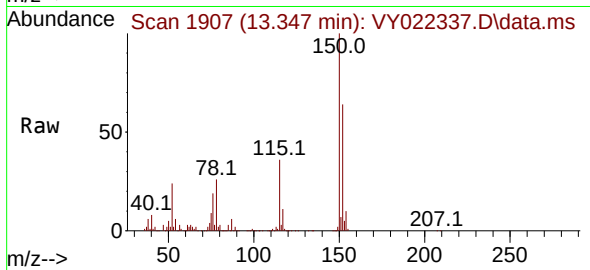
Tgt Ion:152 Resp: 107238

Ion Ratio Lower Upper

152 100

115 58.2 29.4 88.2

150 160.0 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 64.579 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022337.D

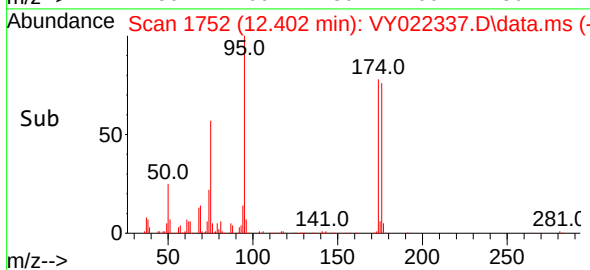
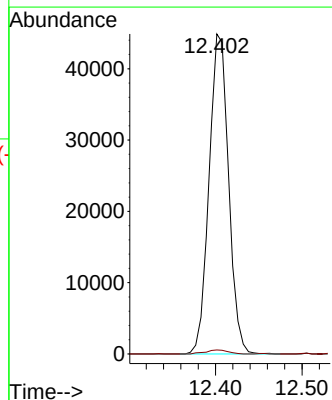
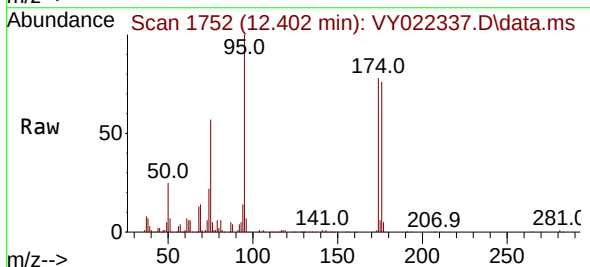
Acq: 20 May 2025 13:01

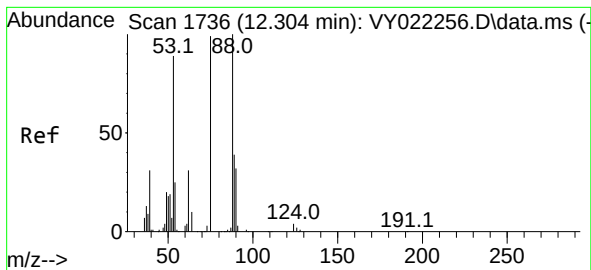
Tgt Ion: 75 Resp: 70161

Ion Ratio Lower Upper

75 100

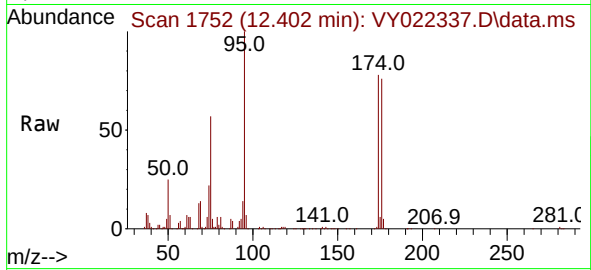
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.821 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022337.D
 Acq: 20 May 2025 13:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD13



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.1	36.2	54.2#

