

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022390.D
 Acq On : 22 May 2025 12:58
 Operator : SY/MD
 Sample : Q2074-02
 Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

Quant Time: May 23 03:36:38 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)

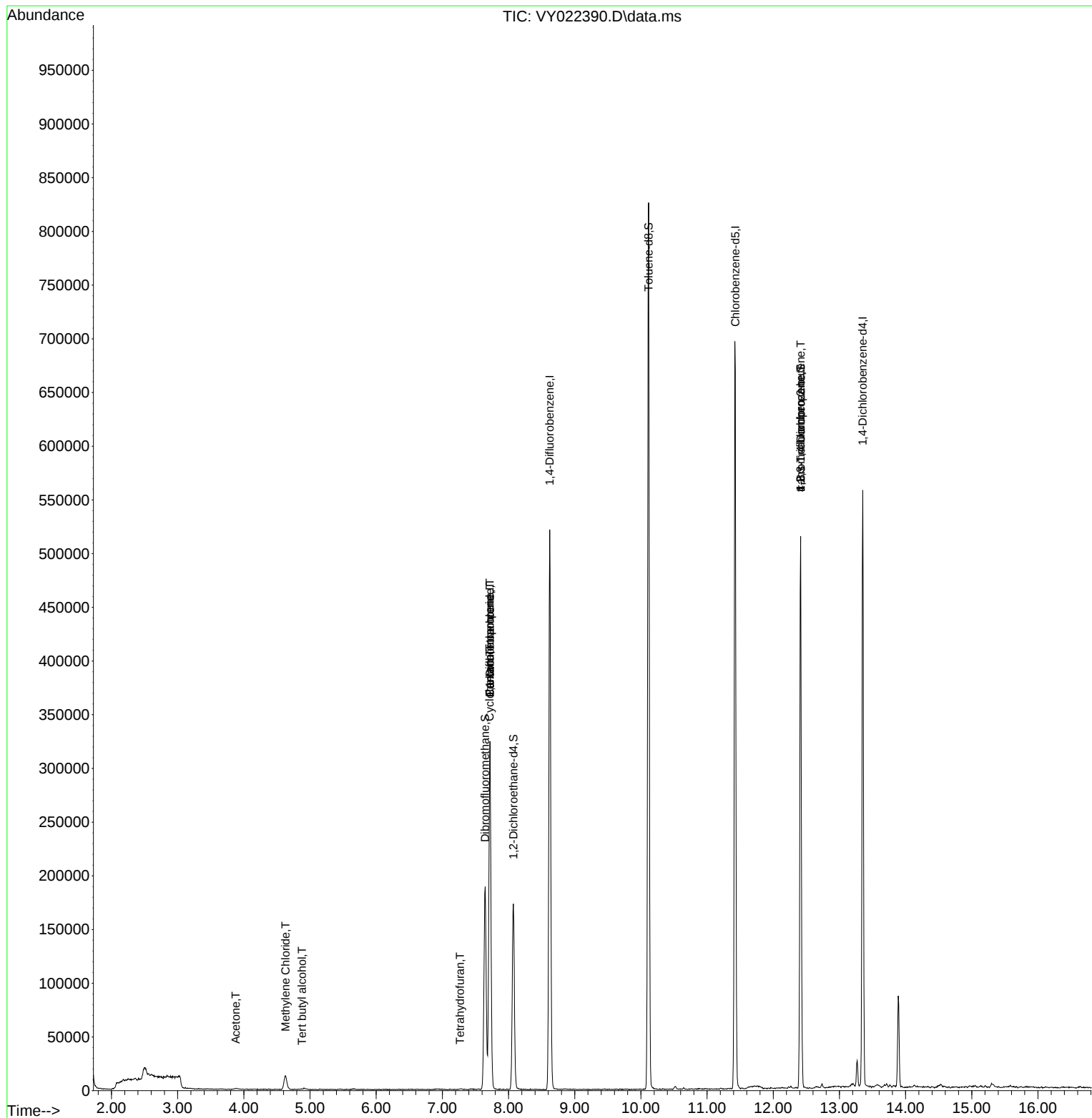
Internal Standards						
1) Pentafluorobenzene	7.719	168	245848	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	434620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	349949	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	127586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	127834	47.577	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.160%
35) Dibromofluoromethane	7.646	113	129846	50.055	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.115	98	515620	48.533	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.414	95	133711	39.706	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.878	59	303	1.477	ug/l #	100
16) Acetone	3.879	43	2072	4.113	ug/l	92
20) Methylene Chloride	4.629	84	9112	2.799	ug/l #	89
29) Tetrahydrofuran	7.268	42	569	1.049	ug/l	96
31) Cyclohexane	7.713	56	6382	1.174	ug/l #	44
36) 1,1-Dichloropropene	7.719	75	20365	4.766	ug/l #	50
38) Carbon Tetrachloride	7.719	117	24156	5.462	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	77988	60.335	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	77988	122.224	ug/l #	12

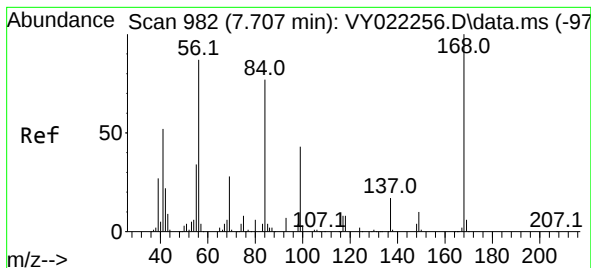
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 9

Delta R.T. 0.012 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

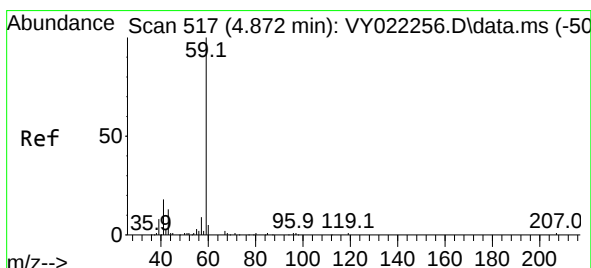
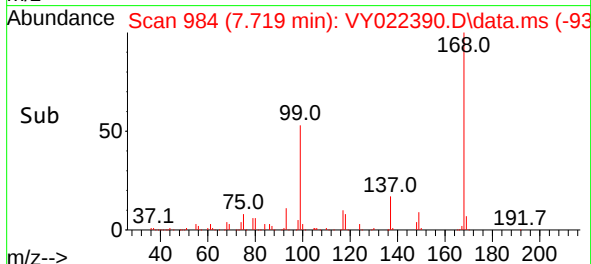
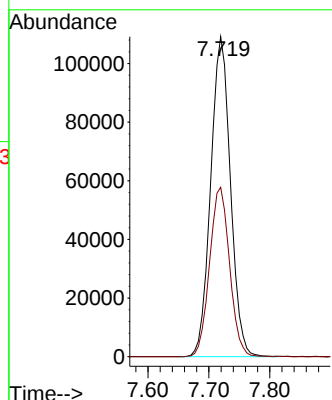
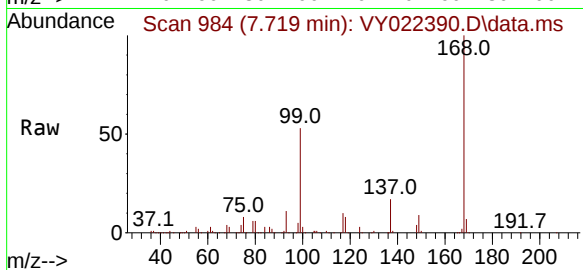
TP-7

Tgt Ion:168 Resp: 245848

Ion Ratio Lower Upper

168 100

99 52.9 44.2 66.4



#11

Tert butyl alcohol

Concen: 1.477 ug/l

RT: 4.878 min Scan# 518

Delta R.T. 0.006 min

Lab File: VY022390.D

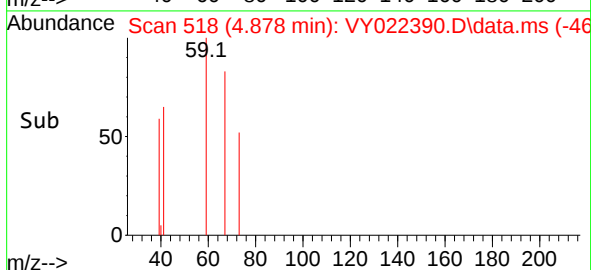
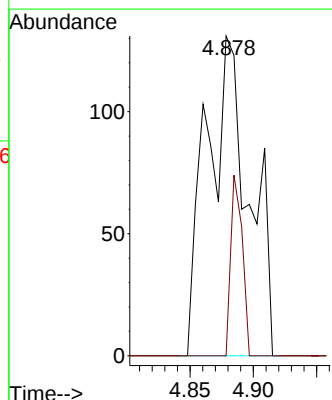
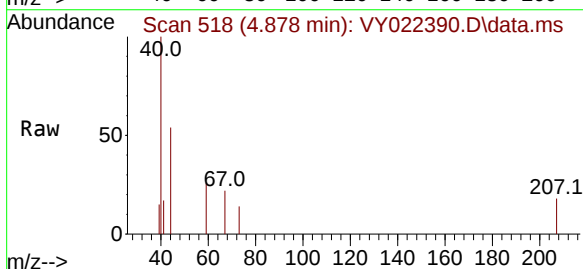
Acq: 22 May 2025 12:58

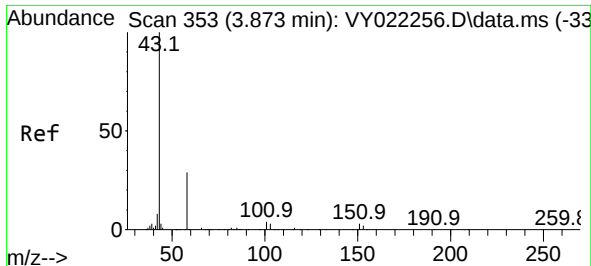
Tgt Ion: 59 Resp: 303

Ion Ratio Lower Upper

59 100

57 15.2 0.0 0.0#

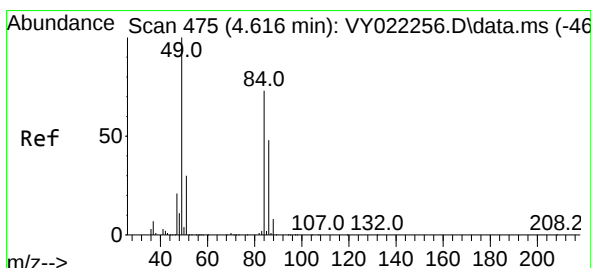
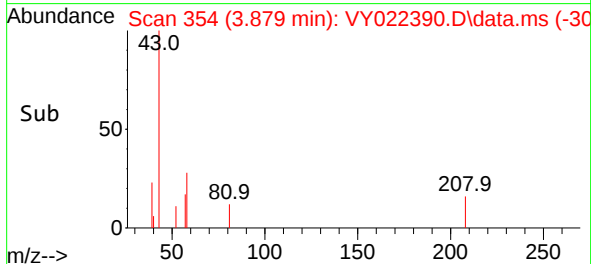
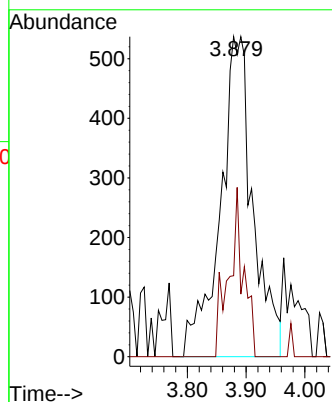
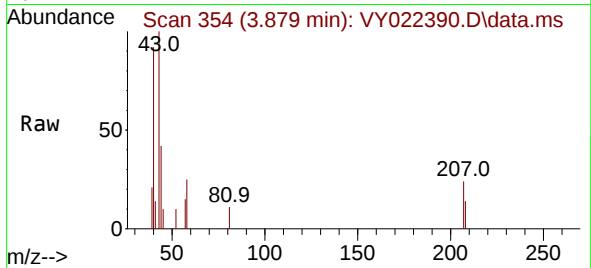




#16
Acetone
Concen: 4.113 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

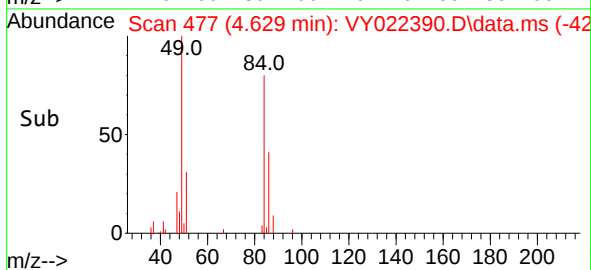
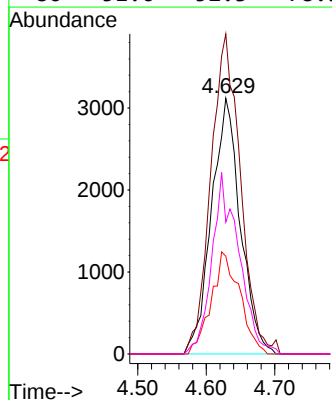
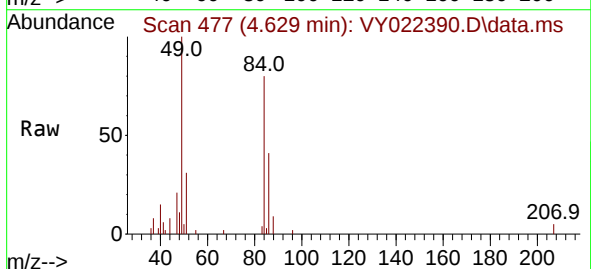
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

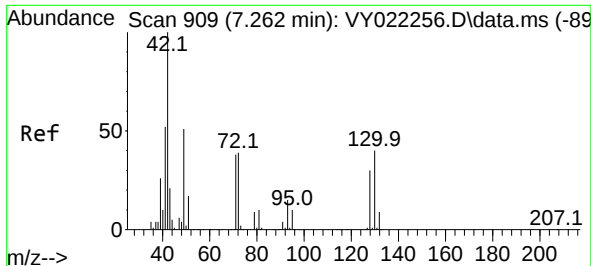
Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
58 25.3 23.6 35.4



#20
Methylene Chloride
Concen: 2.799 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

Tgt Ion: 84 Resp: 9112
Ion Ratio Lower Upper
84 100
49 125.1 109.6 164.4
51 38.2 32.4 48.6
86 51.6 52.3 78.5#





#29

Tetrahydrofuran

Concen: 1.049 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

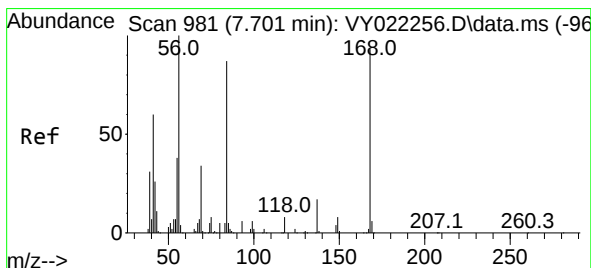
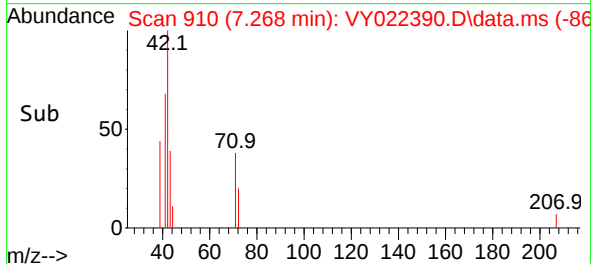
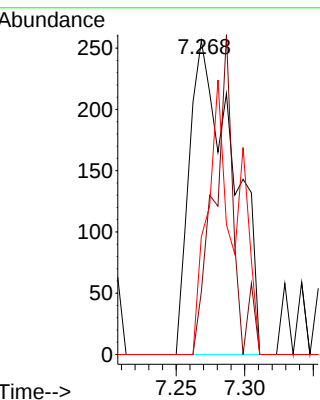
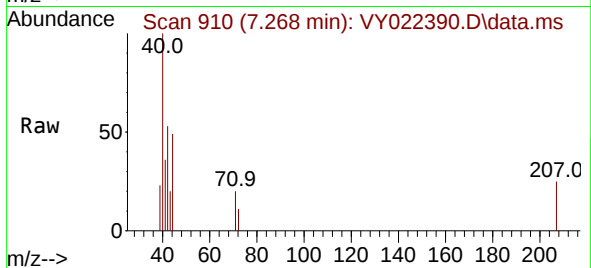
Tgt Ion: 42 Resp: 569

Ion Ratio Lower Upper

42 100

72 45.7 33.8 50.6

71 40.4 31.5 47.3



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

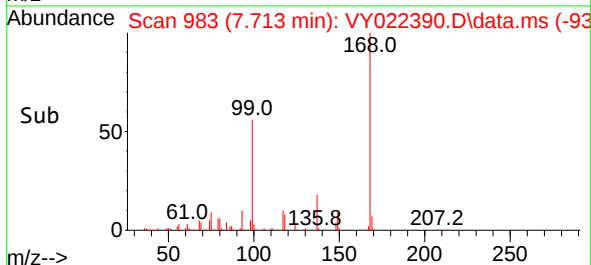
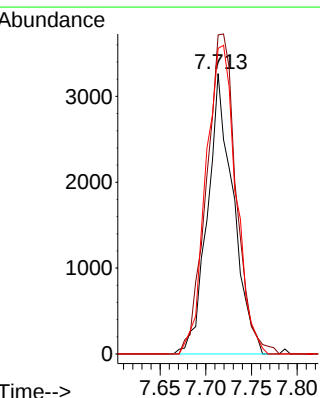
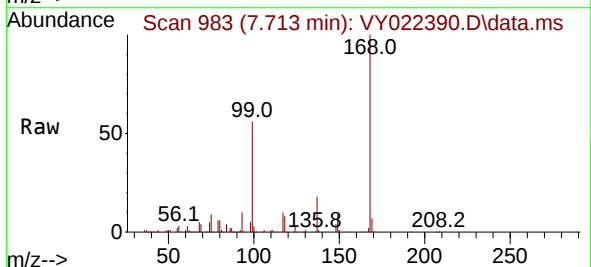
Tgt Ion: 56 Resp: 6382

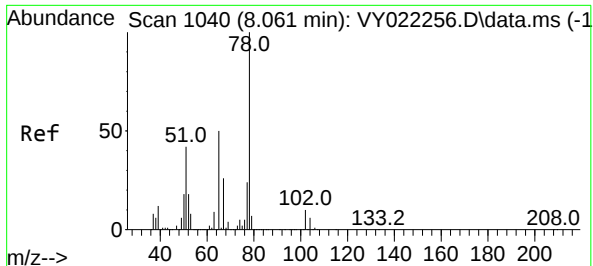
Ion Ratio Lower Upper

56 100

69 113.8 27.4 41.2#

84 109.1 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 47.577 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

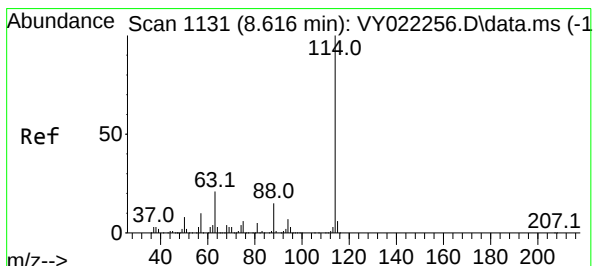
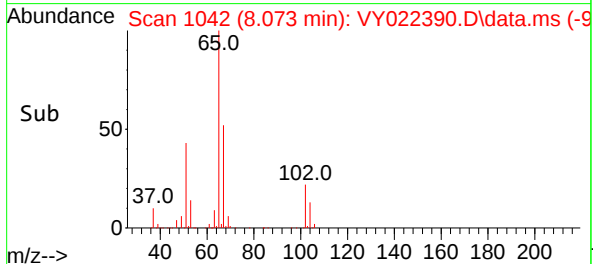
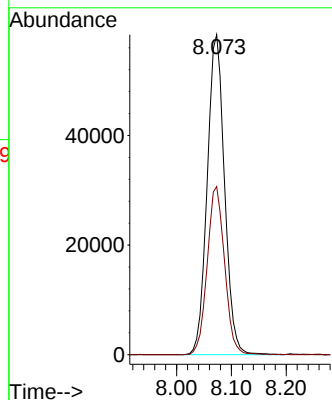
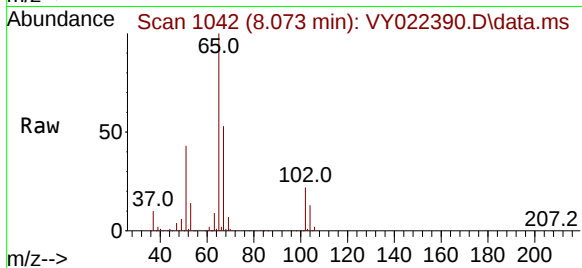
TP-7

Tgt Ion: 65 Resp: 127834

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

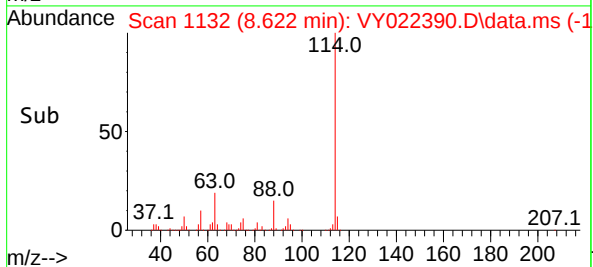
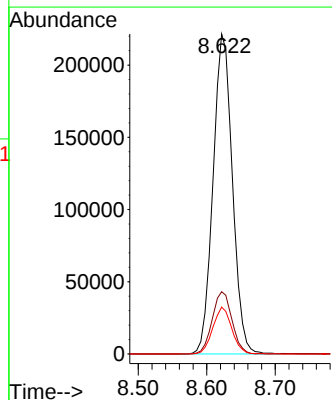
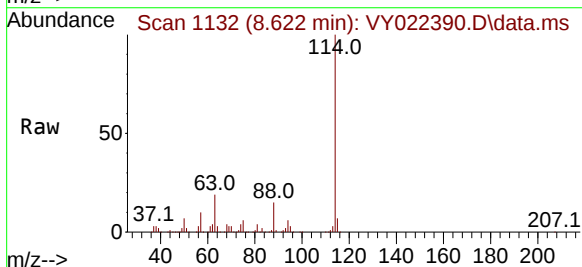
Tgt Ion:114 Resp: 434620

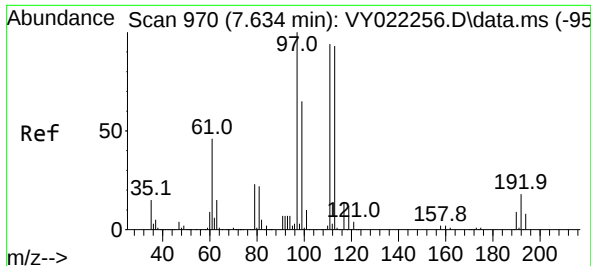
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 14.6 0.0 29.4

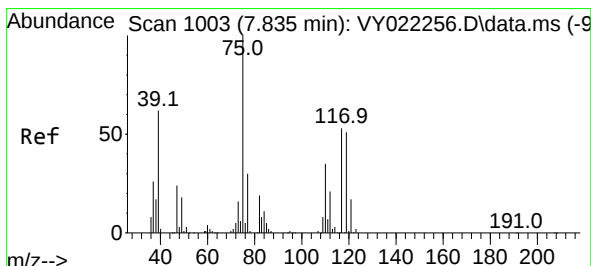
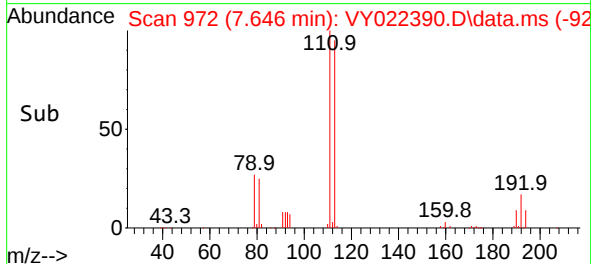
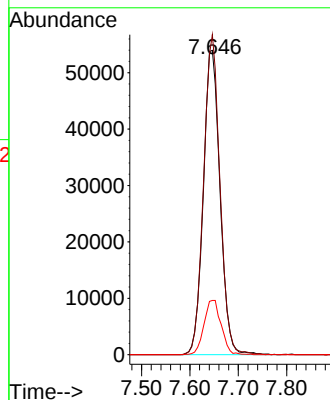
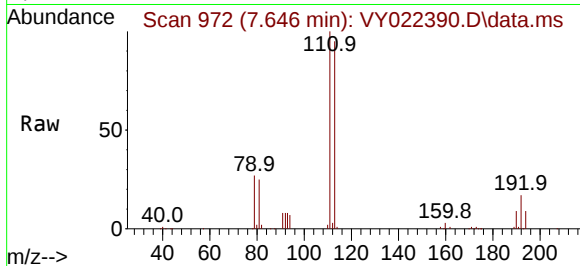




#35
Dibromofluoromethane
Concen: 50.055 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

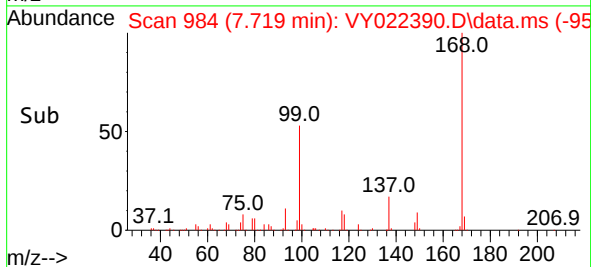
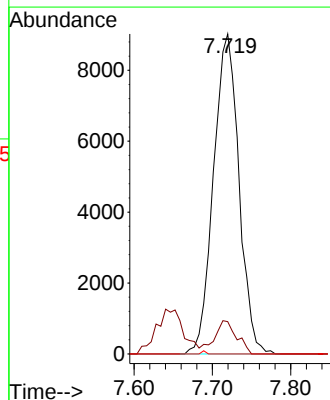
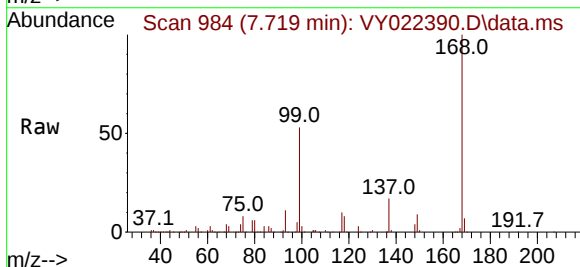
Instrument :
MSVOA_Y
ClientSampleId :
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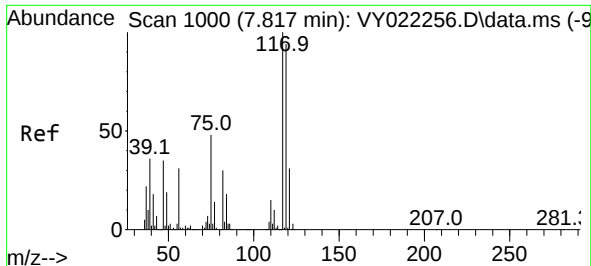
Tgt Ion:113 Resp: 129846
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 18.3 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.766 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.116 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

Tgt Ion: 75 Resp: 20365
Ion Ratio Lower Upper
75 100
110 8.1 16.6 49.8#
77 0.0 24.6 37.0#

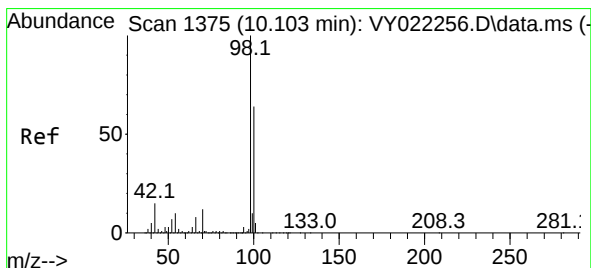
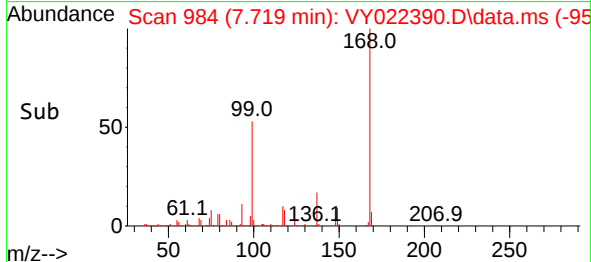
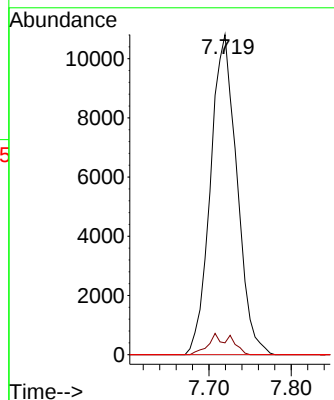
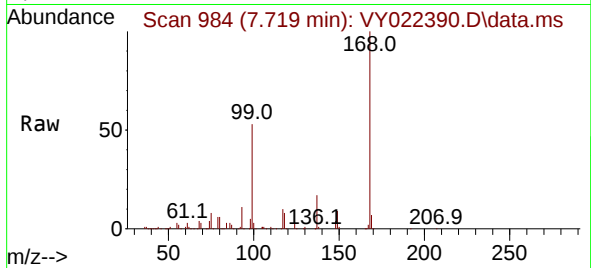




#38
Carbon Tetrachloride
Concen: 5.462 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

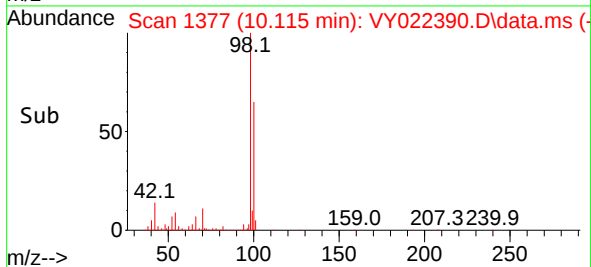
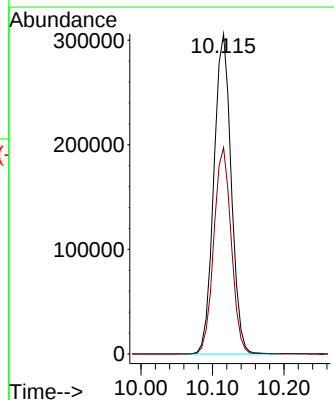
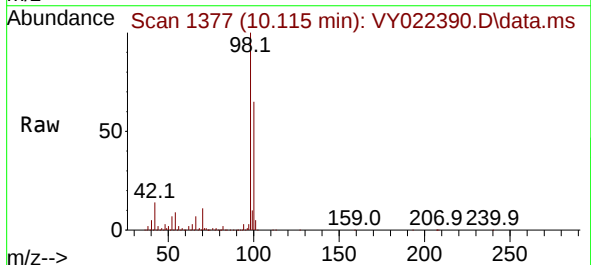
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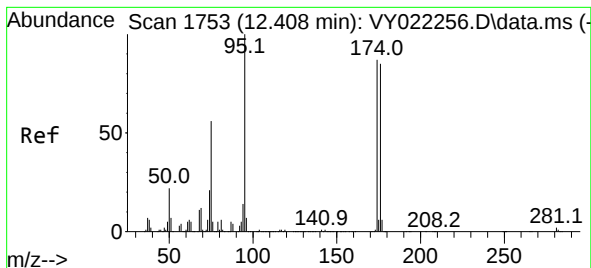
Tgt Ion:117 Resp: 24156
Ion Ratio Lower Upper
117 100
119 3.7 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.533 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

Tgt Ion: 98 Resp: 515620
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

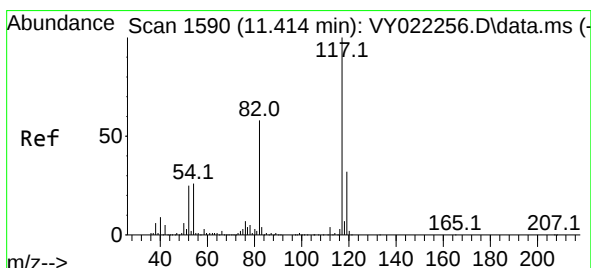
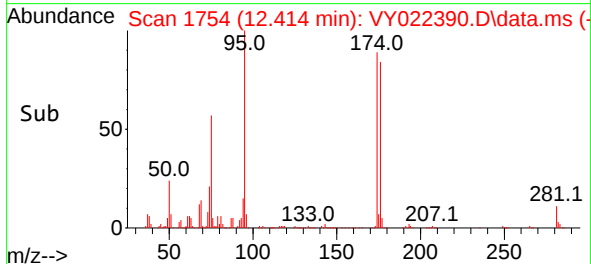
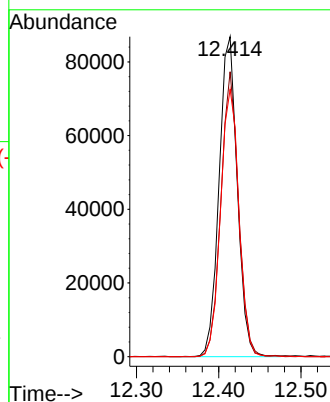
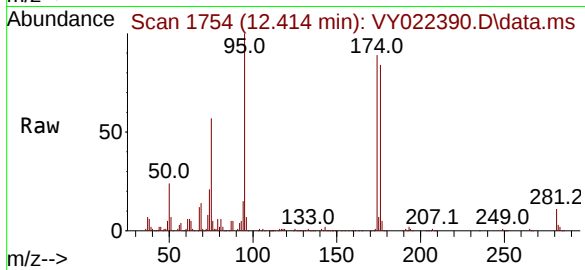




#62
4-Bromofluorobenzene
Concen: 39.706 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

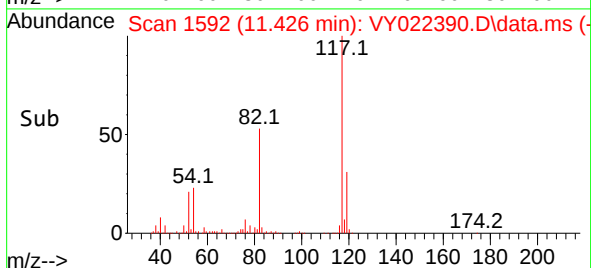
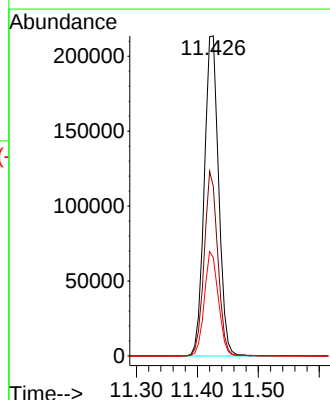
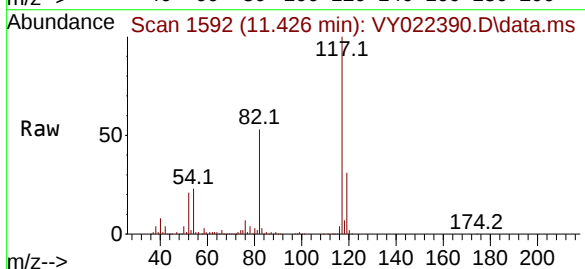
Instrument :
MSVOA_Y
ClientSampleId :
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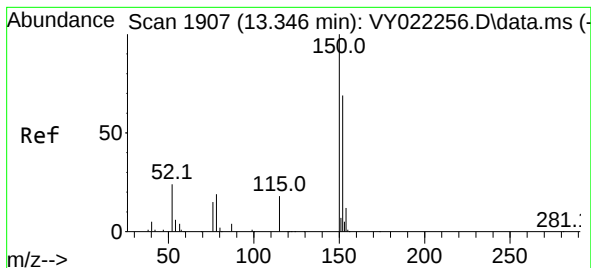
Tgt Ion: 95 Resp: 133711
Ion Ratio Lower Upper
95 100
174 86.2 0.0 166.8
176 84.4 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VY022390.D
Acq: 22 May 2025 12:58

Tgt Ion: 117 Resp: 349949
Ion Ratio Lower Upper
117 100
82 53.0 46.6 70.0
119 30.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022390.D

Acq: 22 May 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

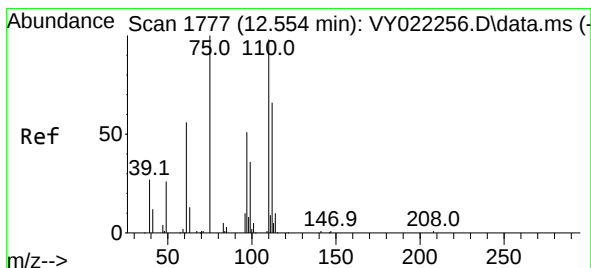
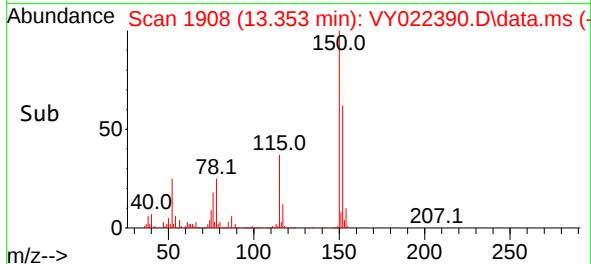
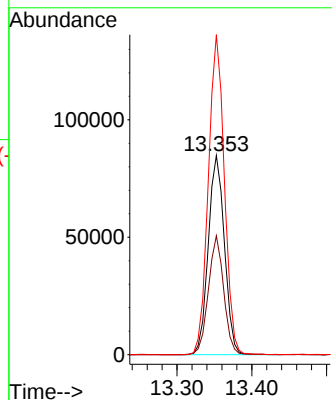
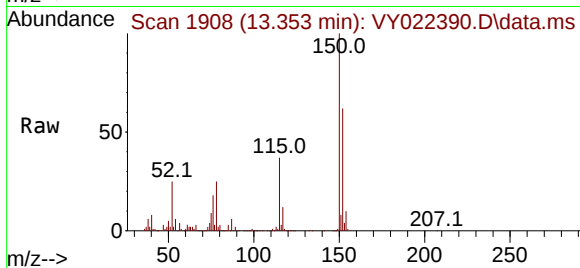
Tgt Ion:152 Resp: 127586

Ion Ratio Lower Upper

152 100

115 56.8 29.4 88.2

150 159.0 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 60.335 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.140 min

Lab File: VY022390.D

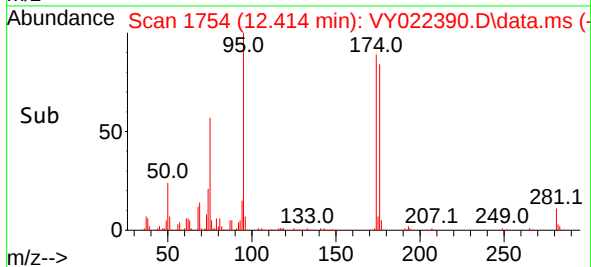
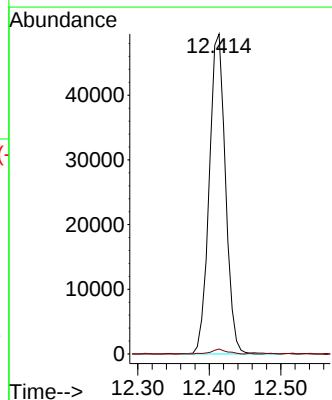
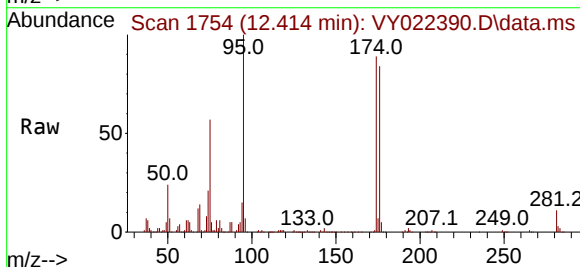
Acq: 22 May 2025 12:58

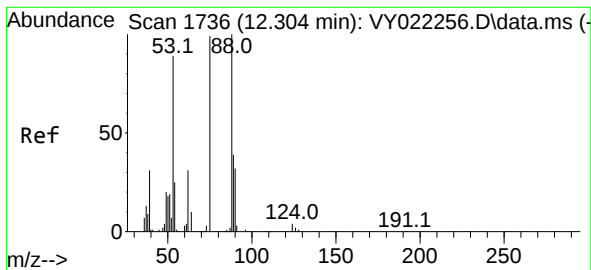
Tgt Ion: 75 Resp: 77988

Ion Ratio Lower Upper

75 100

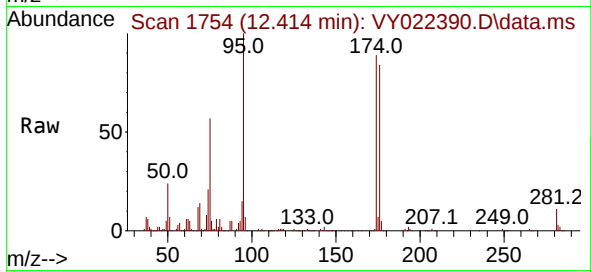
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.224 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022390.D
 Acq: 22 May 2025 12:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7



Tgt Ion: 75 Resp: 77988
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.1 36.2 54.2#

