

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022394.D
 Acq On : 22 May 2025 14:32
 Operator : SY/MD
 Sample : Q2074-06
 Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-19

Quant Time: May 23 03:38:04 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)

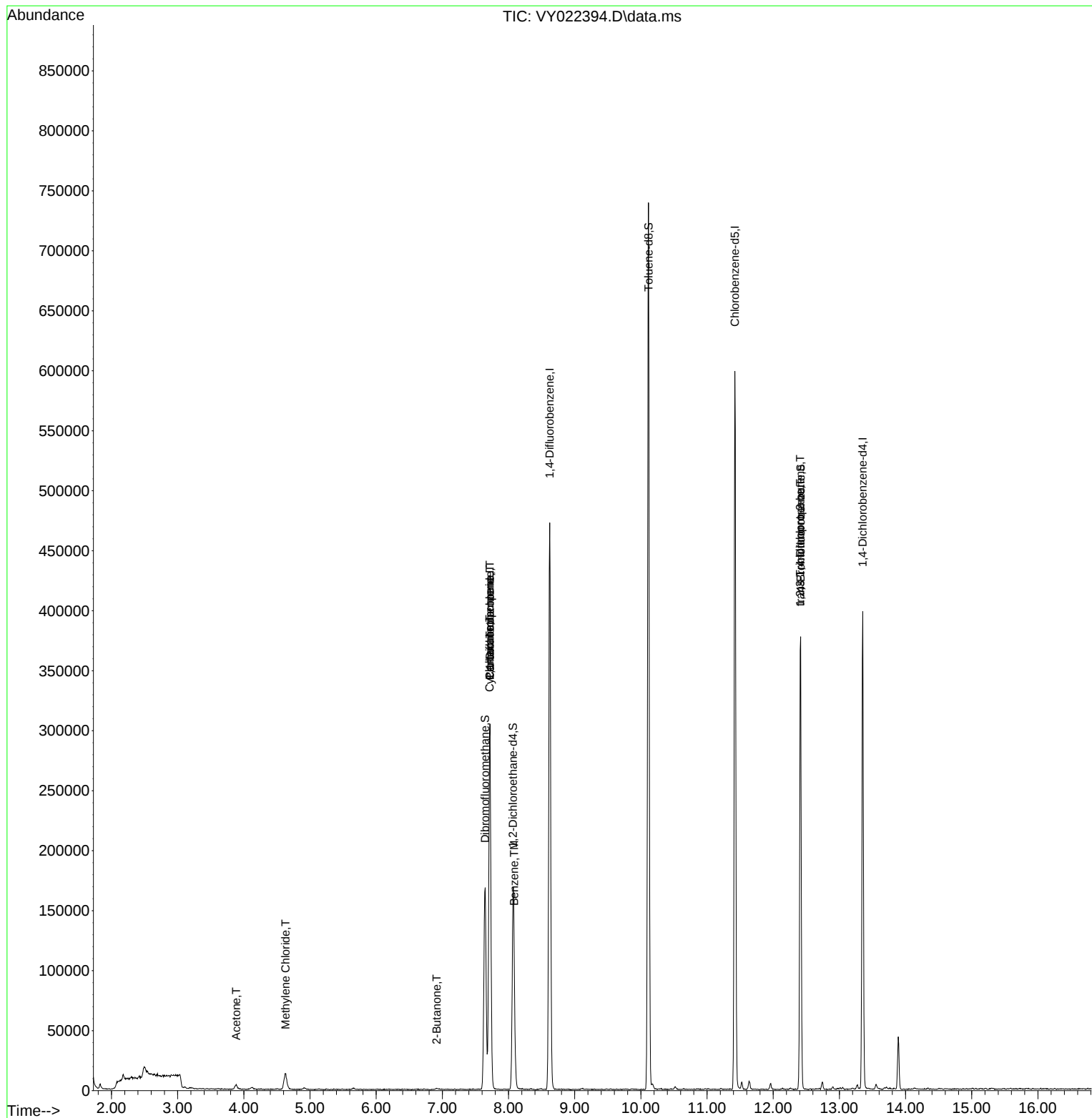
Internal Standards						
1) Pentafluorobenzene	7.719	168	231559	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	398601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	296277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	94056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	117822	46.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.120%
35) Dibromofluoromethane	7.646	113	118230	49.696	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.115	98	467756	48.006	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.414	95	103960	33.661	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.320%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	6639	13.991	ug/l #	86
20) Methylene Chloride	4.629	84	9404	3.067	ug/l #	78
25) 2-Butanone	6.915	43	1235	1.556	ug/l #	47
31) Cyclohexane	7.713	56	6195	1.210	ug/l #	30
36) 1,1-Dichloropropene	7.719	75	18857	4.812	ug/l #	51
38) Carbon Tetrachloride	7.719	117	22387	5.519	ug/l #	16
40) Benzene	8.085	78	23915	2.059	ug/l	94
76) 1,2,3-Trichloropropane	12.408	75	61180	64.205	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	61180	130.063	ug/l #	12

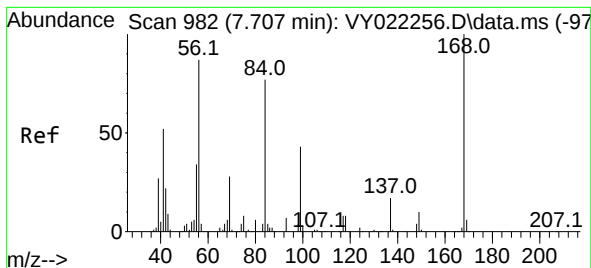
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.012 min

Lab File: VY022394.D

Acq: 22 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

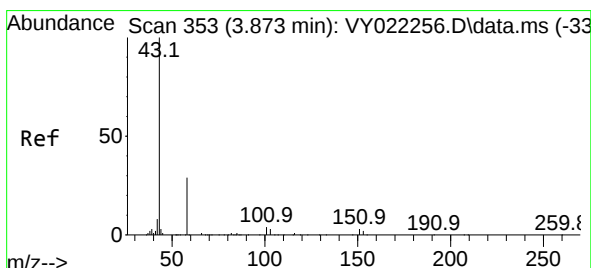
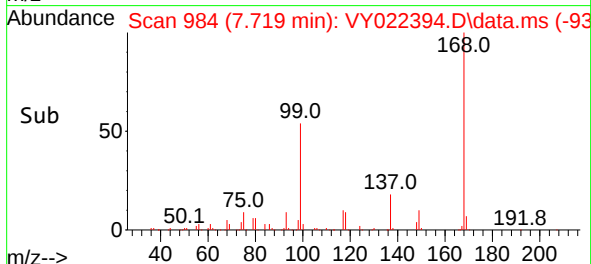
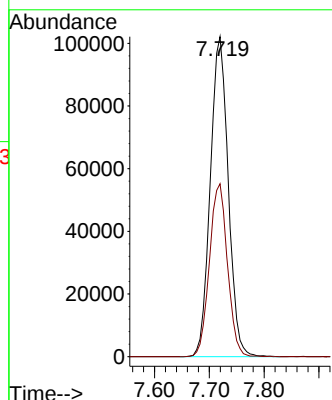
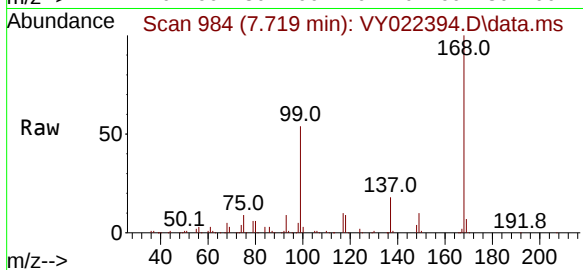
TP-19

Tgt Ion:168 Resp: 231559

Ion Ratio Lower Upper

168 100

99 54.0 44.2 66.4



#16

Acetone

Concen: 13.991 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.012 min

Lab File: VY022394.D

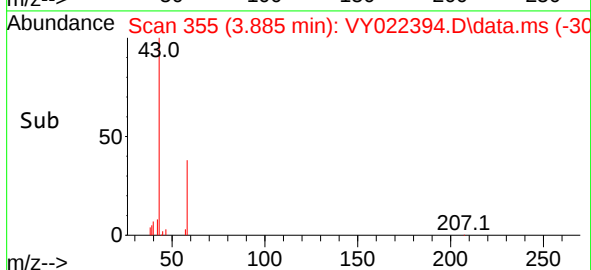
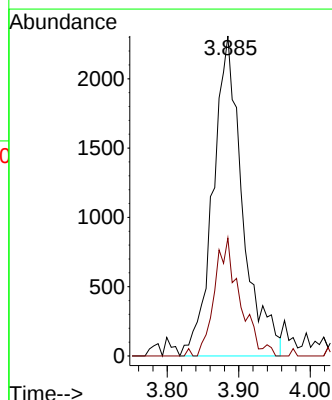
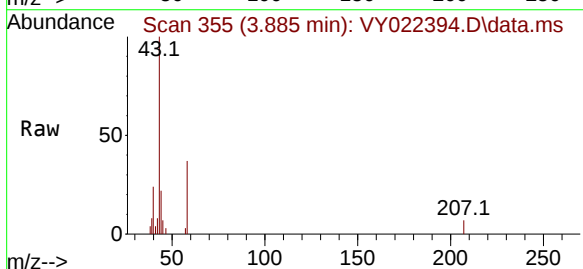
Acq: 22 May 2025 14:32

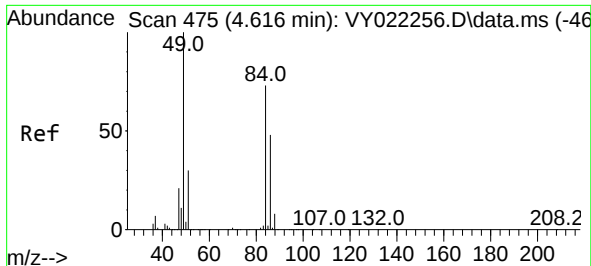
Tgt Ion: 43 Resp: 6639

Ion Ratio Lower Upper

43 100

58 36.9 23.6 35.4#

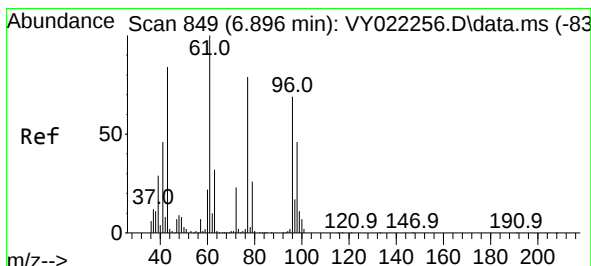
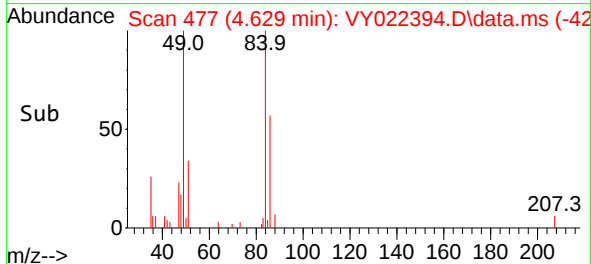
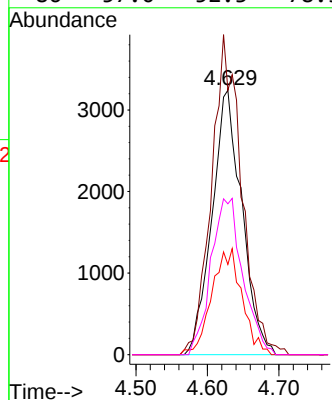
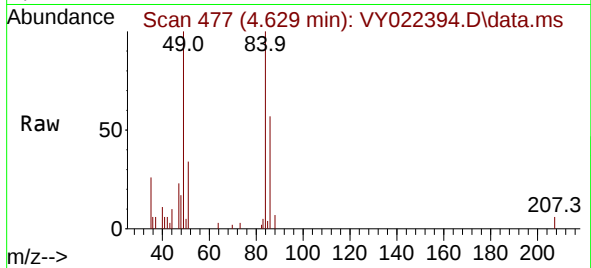




#20
Methylene Chloride
Concen: 3.067 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

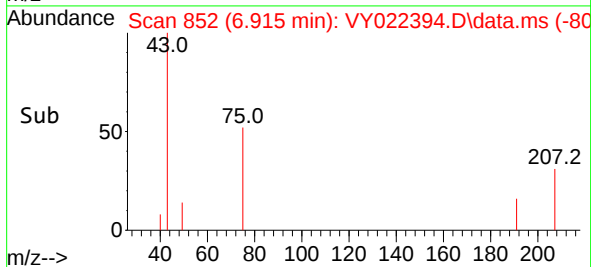
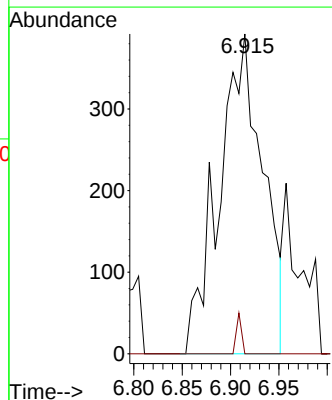
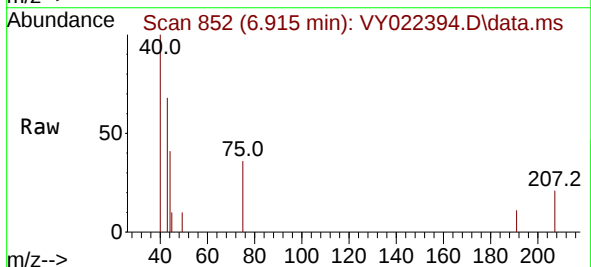
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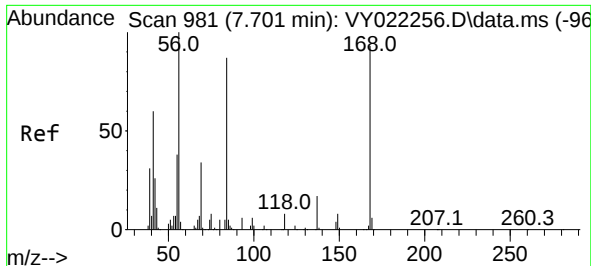
Tgt Ion: 84 Resp: 9404
Ion Ratio Lower Upper
84 100
49 100.0 109.6 164.4#
51 34.1 32.4 48.6
86 57.0 52.3 78.5



#25
2-Butanone
Concen: 1.556 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.018 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
72 0.0 22.1 33.1#

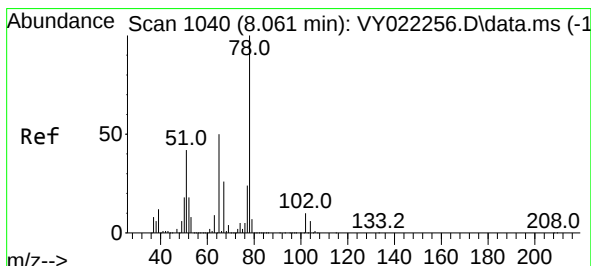
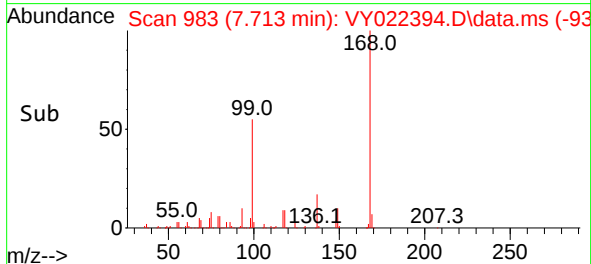
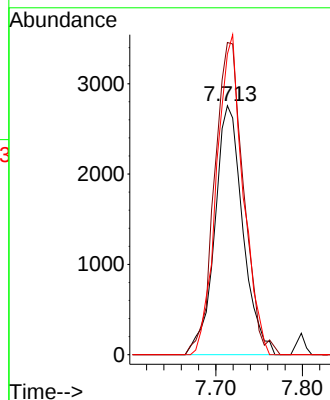
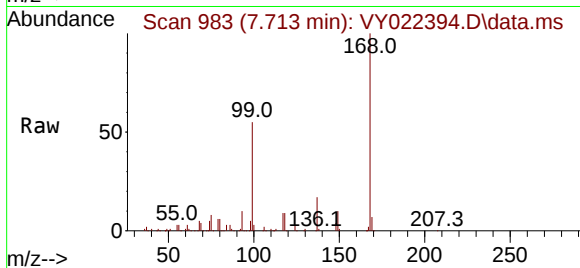




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

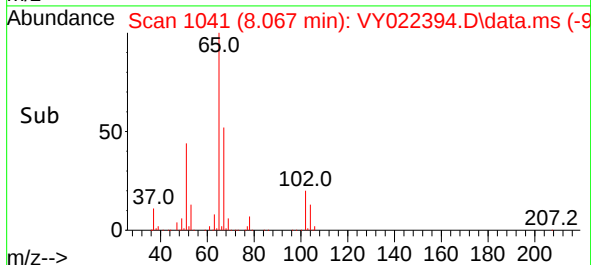
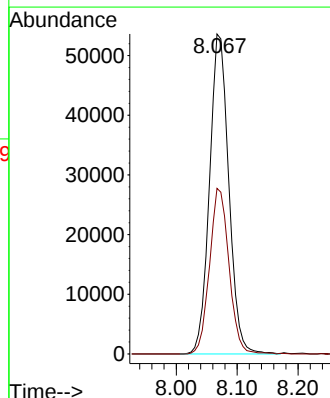
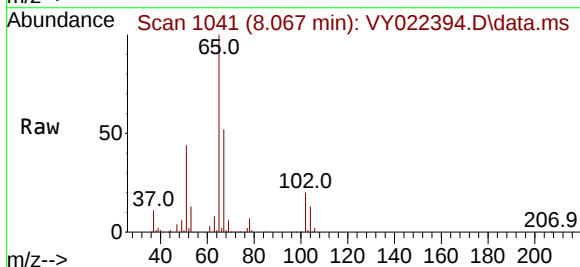
Instrument :
MSVOA_Y
ClientSampleId :
TP-19

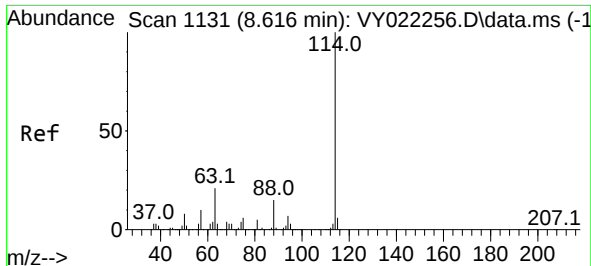
Tgt Ion: 56 Resp: 6195
Ion Ratio Lower Upper
56 100
69 125.4 27.4 41.2#
84 120.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.557 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

Tgt Ion: 65 Resp: 117822
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022394.D

Acq: 22 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-19

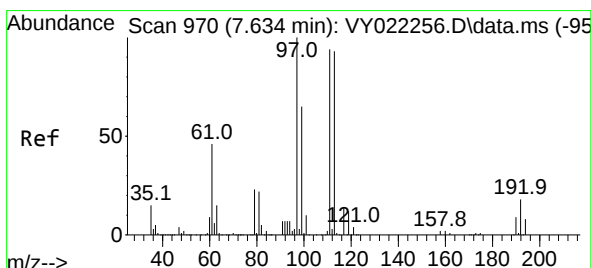
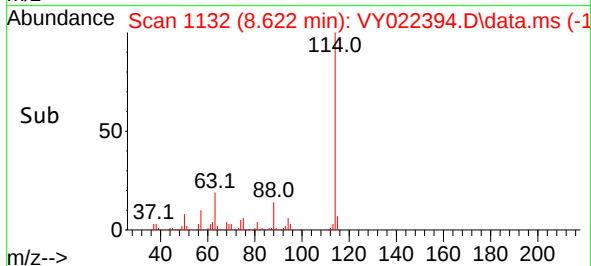
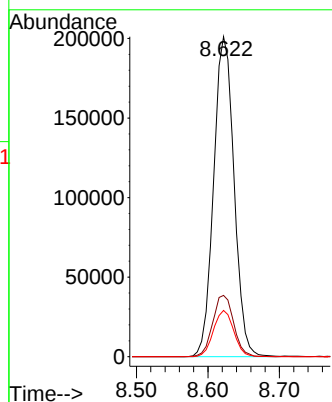
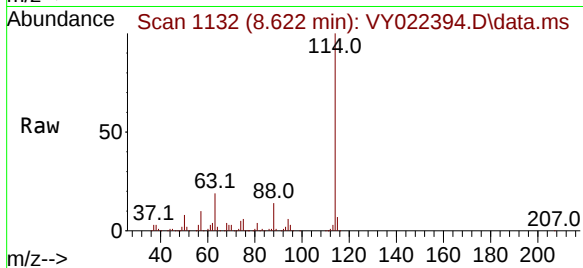
Tgt Ion:114 Resp: 398601

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.0

88 14.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.696 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022394.D

Acq: 22 May 2025 14:32

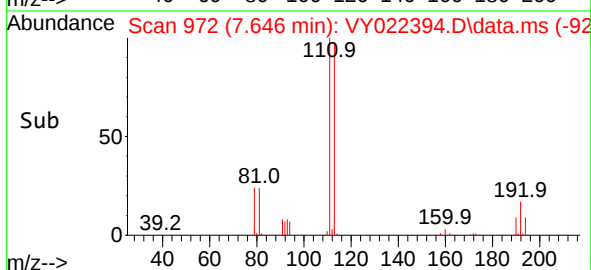
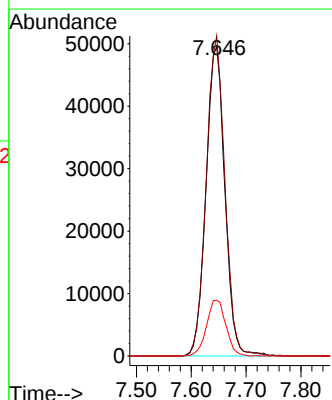
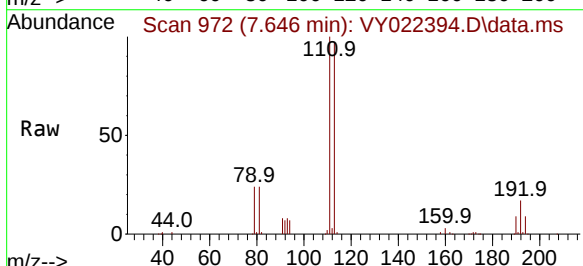
Tgt Ion:113 Resp: 118230

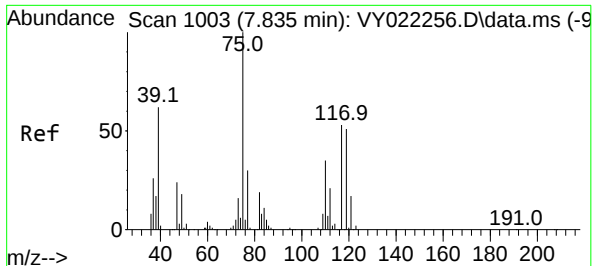
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 18.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.812 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022394.D

Acq: 22 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-19

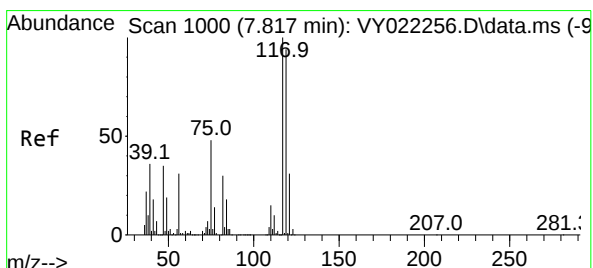
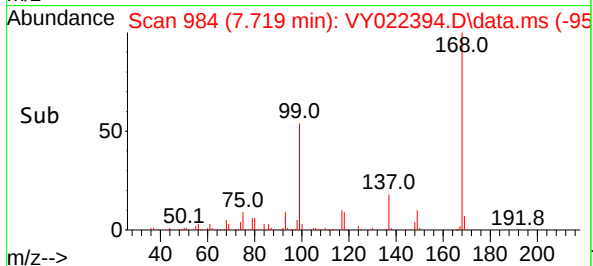
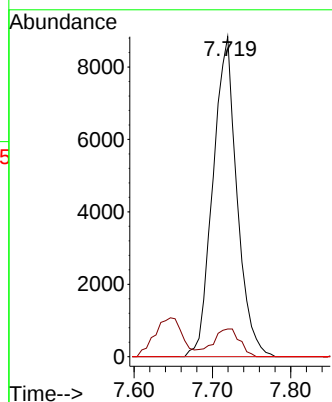
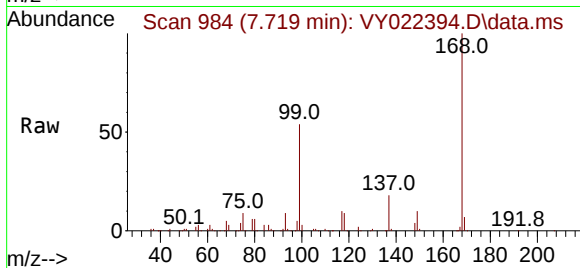
Tgt Ion: 75 Resp: 18857

Ion Ratio Lower Upper

75 100

110 9.5 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.519 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.098 min

Lab File: VY022394.D

Acq: 22 May 2025 14:32

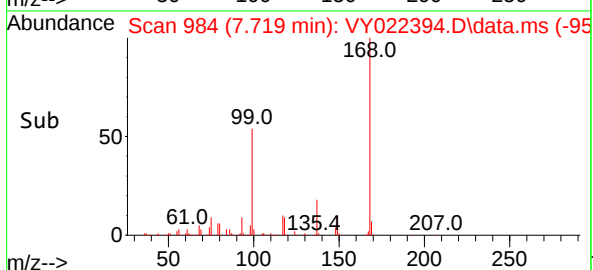
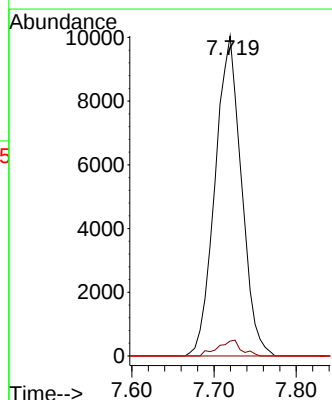
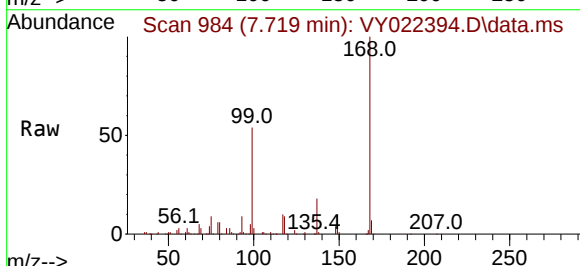
Tgt Ion: 117 Resp: 22387

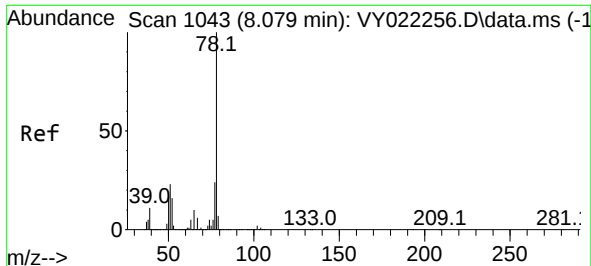
Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

121 0.0 24.7 37.1#

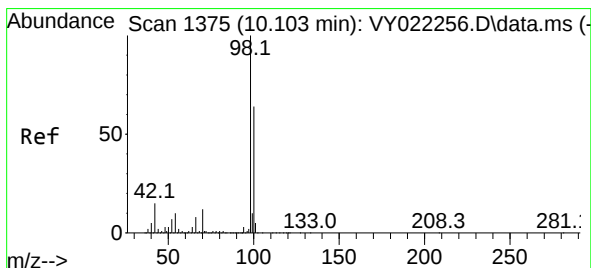
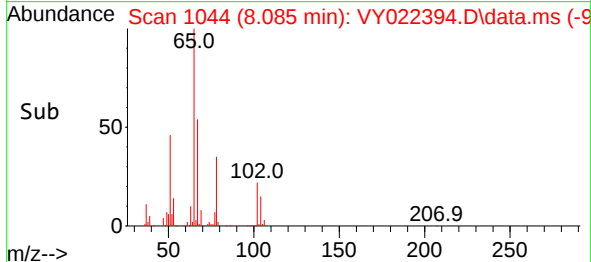
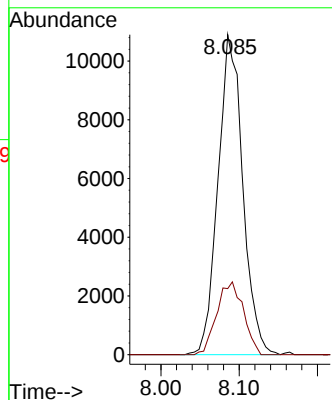
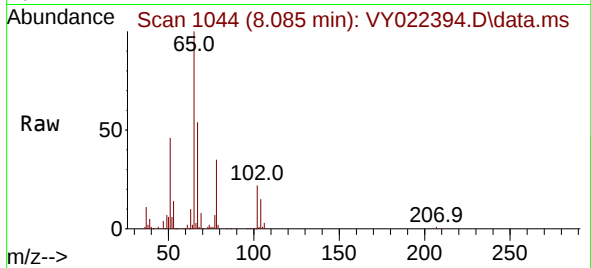




#40
Benzene
Concen: 2.059 ug/l
RT: 8.085 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

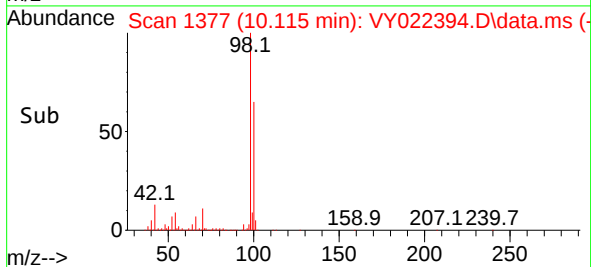
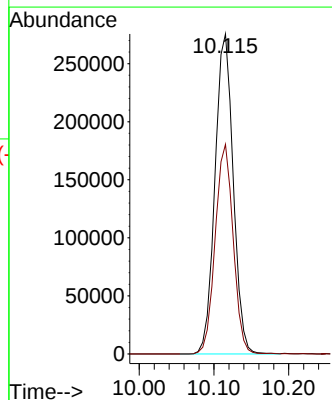
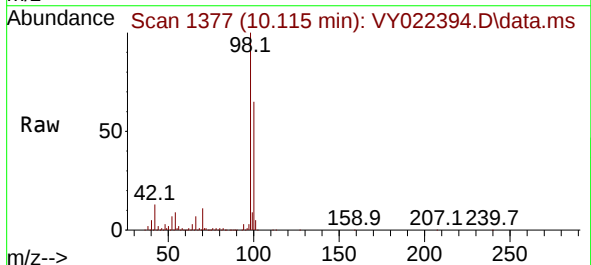
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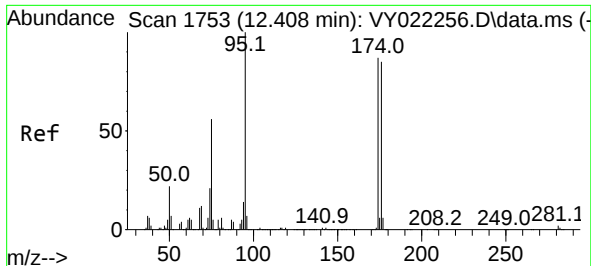
Tgt Ion: 78 Resp: 23915
Ion Ratio Lower Upper
78 100
77 20.7 18.9 28.3



#50
Toluene-d8
Concen: 48.006 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

Tgt Ion: 98 Resp: 467756
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

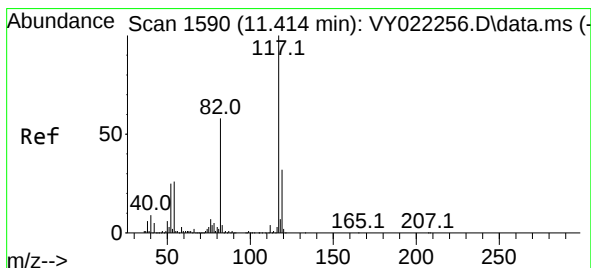
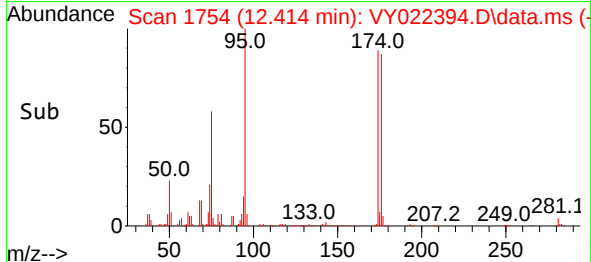
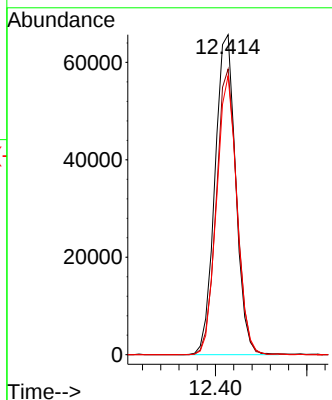
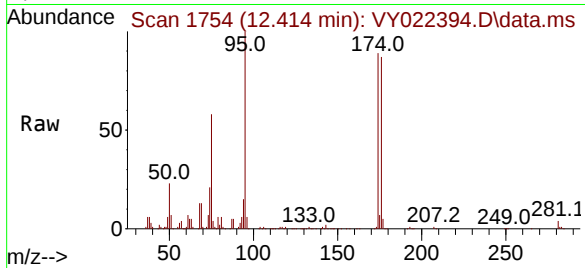




#62
4-Bromofluorobenzene
Concen: 33.661 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

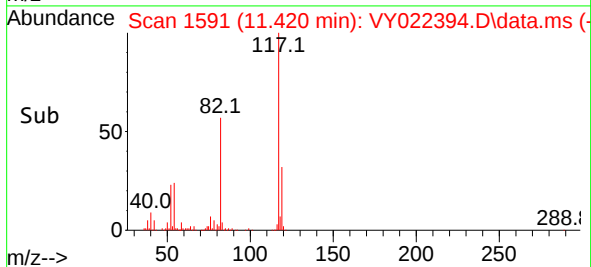
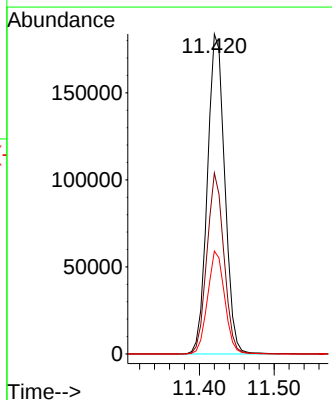
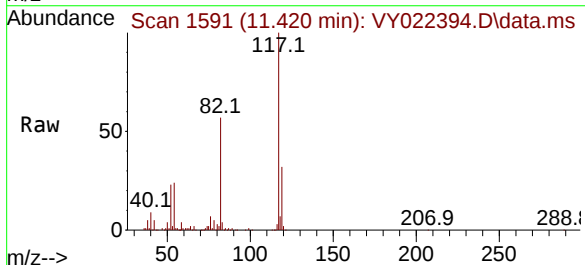
Instrument :
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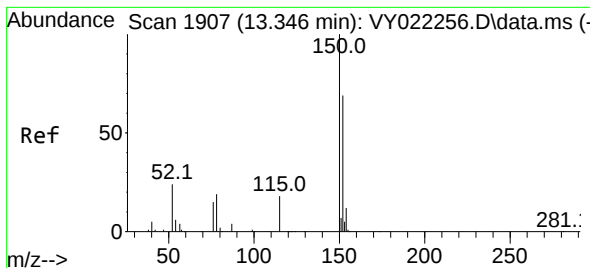
Tgt Ion: 95 Resp: 103960
Ion Ratio Lower Upper
95 100
174 88.2 0.0 166.8
176 85.4 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022394.D
Acq: 22 May 2025 14:32

Tgt Ion: 117 Resp: 296277
Ion Ratio Lower Upper
117 100
82 56.6 46.6 70.0
119 32.2 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: VY022394.D

Acq: 22 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-19

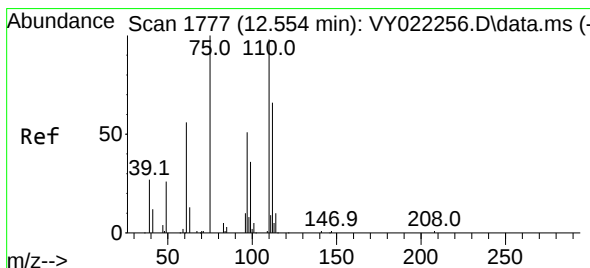
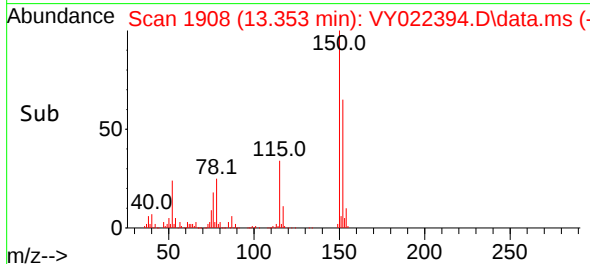
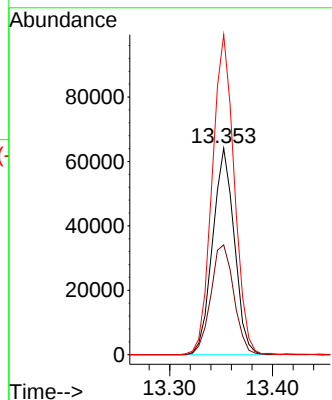
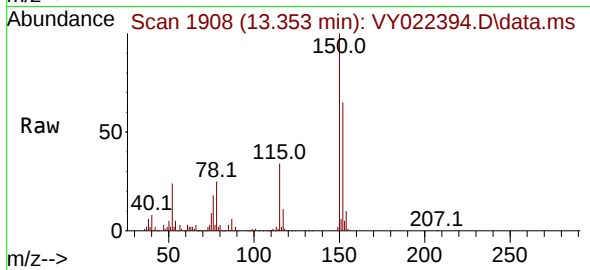
Tgt Ion:152 Resp: 94056

Ion Ratio Lower Upper

152 100

115 56.6 29.4 88.2

150 157.5 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 64.205 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022394.D

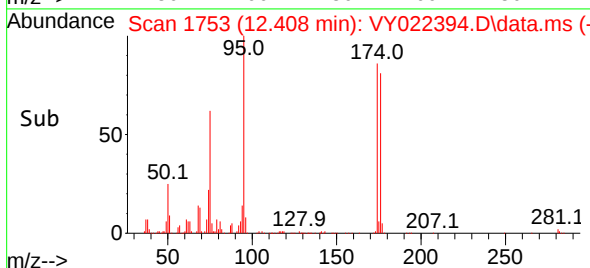
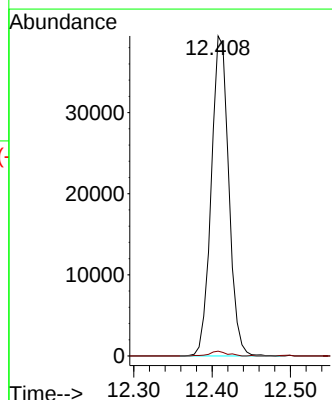
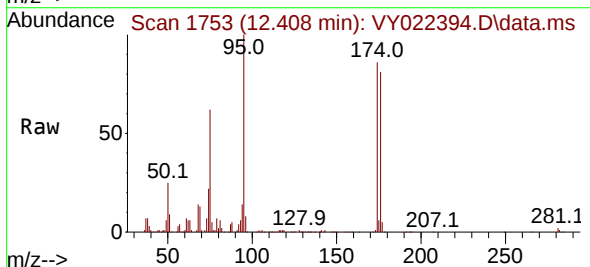
Acq: 22 May 2025 14:32

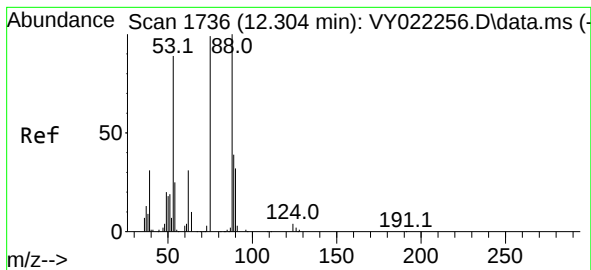
Tgt Ion: 75 Resp: 61180

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.063 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022394.D
 Acq: 22 May 2025 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-19

Tgt Ion: 75 Resp: 61180
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.1 36.2 54.2#

