

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022338.D
 Acq On : 20 May 2025 13:25
 Operator : SY/MD
 Sample : Q2056-04
 Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD14

Quant Time: May 21 01:48:01 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)

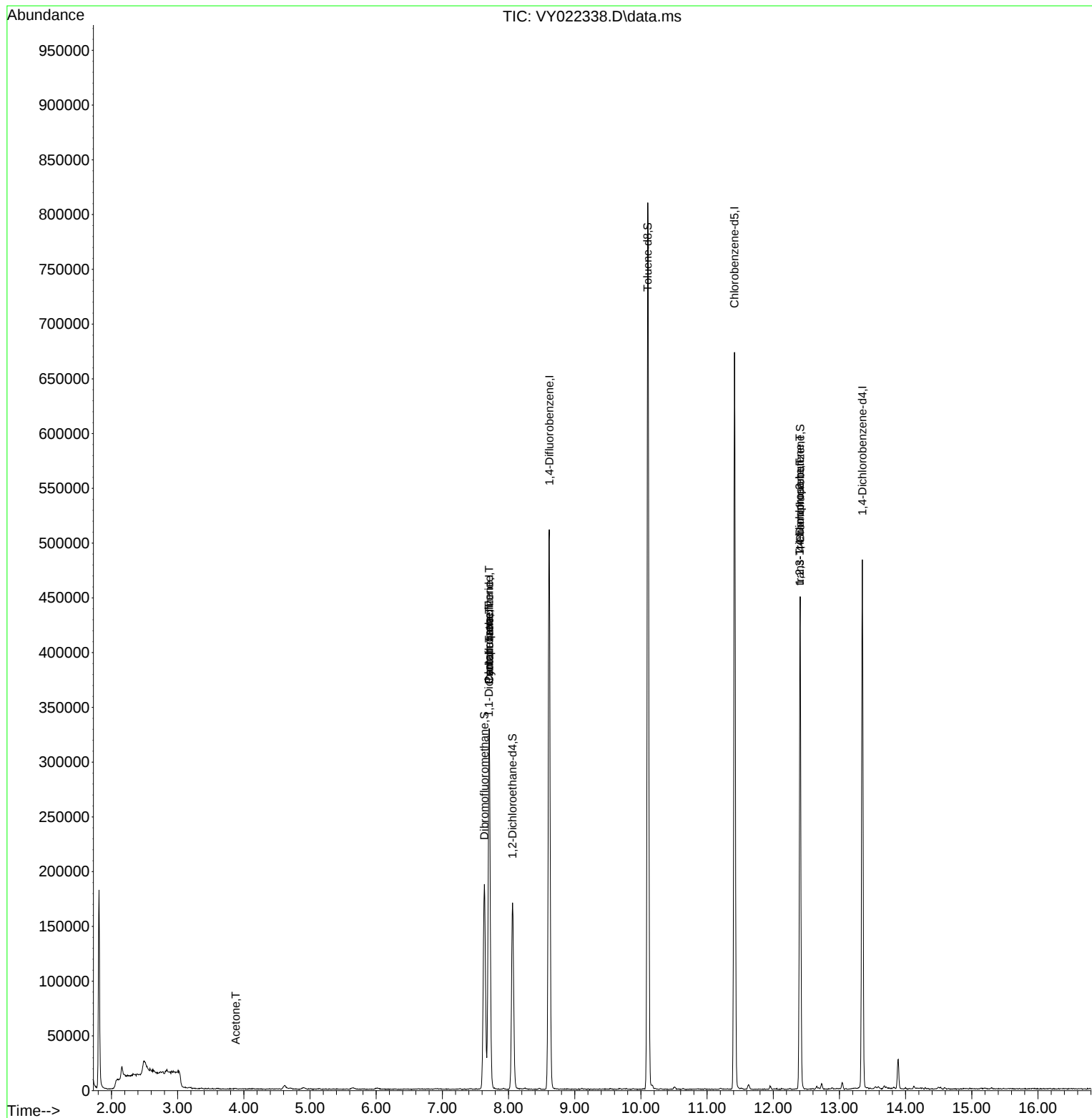
Internal Standards						
1) Pentafluorobenzene	7.707	168	240752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	423261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	327850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129742	49.309	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.620%
35) Dibromofluoromethane	7.634	113	127362	50.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.840%
50) Toluene-d8	10.103	98	509429	49.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.408	95	121193	36.955	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.900%
Target Compounds						Qvalue
16) Acetone	3.879	43	616	1.249	ug/l #	45
31) Cyclohexane	7.707	56	6959	1.307	ug/l #	29
36) 1,1-Dichloropropene	7.701	75	21730	5.222	ug/l #	50
38) Carbon Tetrachloride	7.707	117	24572	5.705	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	71575	62.843	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	71575	127.305	ug/l #	12

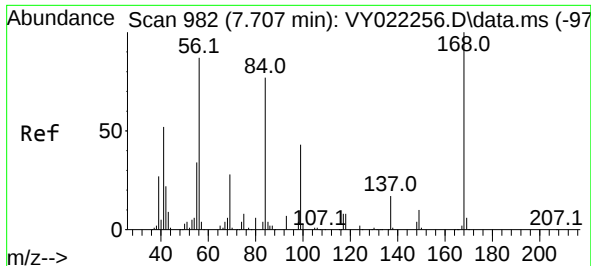
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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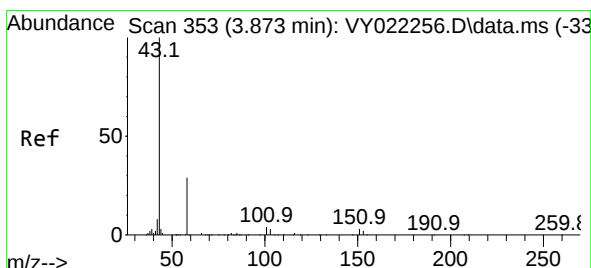
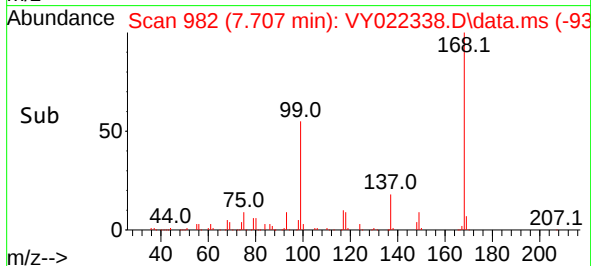
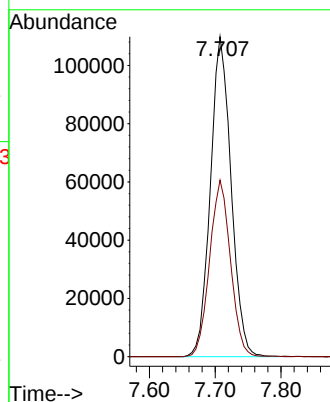
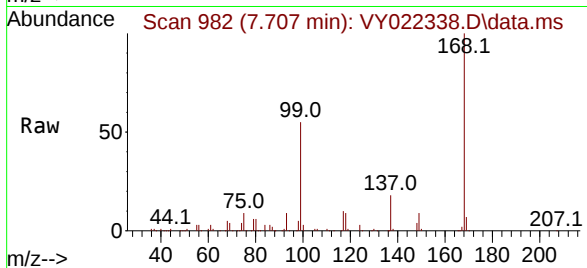




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

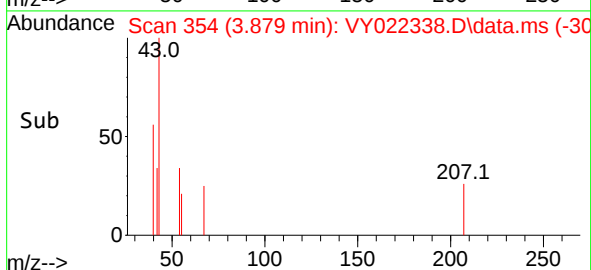
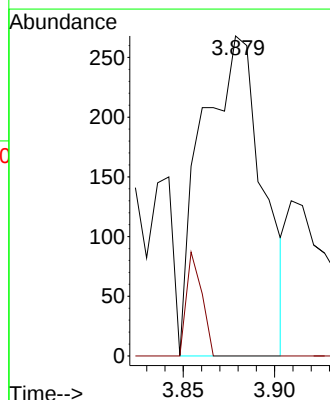
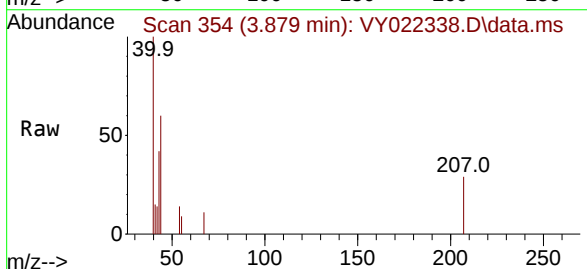
Instrument :
MSVOA_Y
ClientSampleId :
GVD14

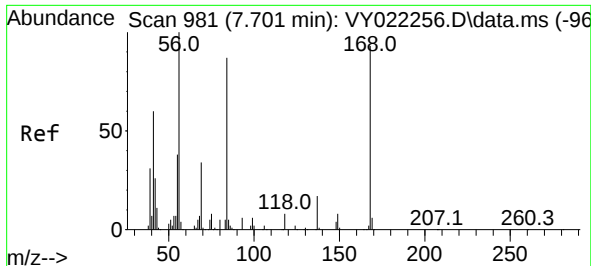
Tgt Ion:168 Resp: 240752
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#16
Acetone
Concen: 1.249 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#

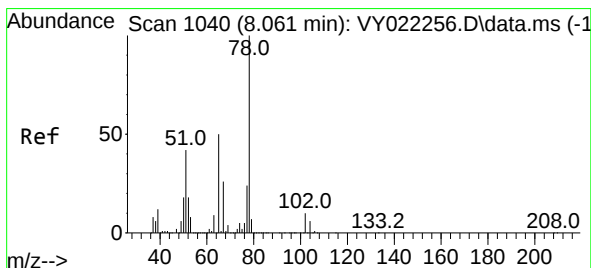
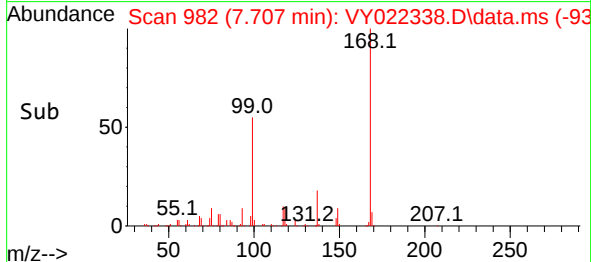
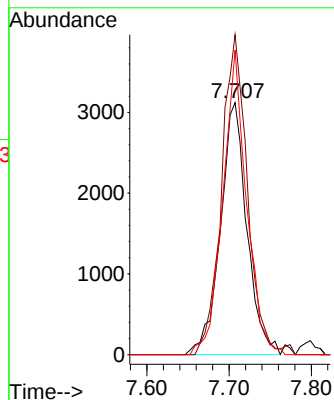
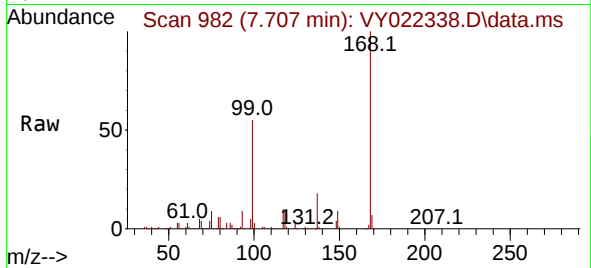




#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

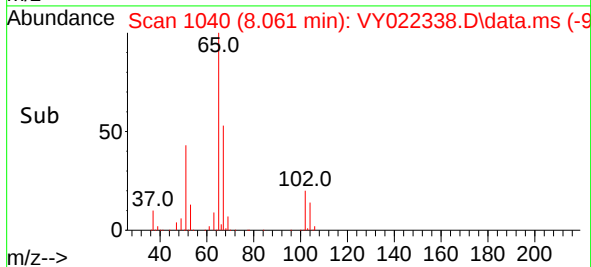
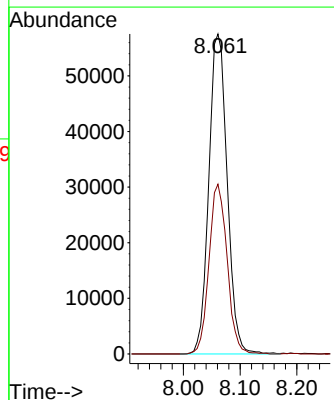
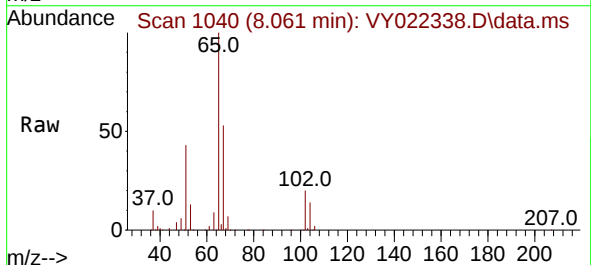
Instrument :
MSVOA_Y
ClientSampleId :
GVD14

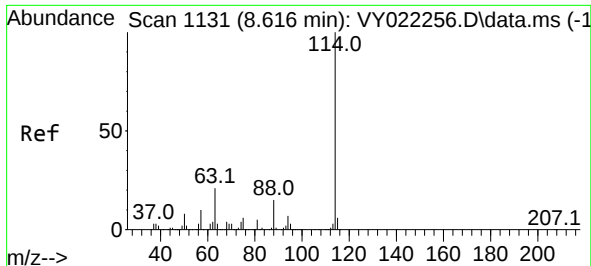
Tgt Ion: 56 Resp: 6959
Ion Ratio Lower Upper
56 100
69 126.9 27.4 41.2#
84 120.8 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.309 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion: 65 Resp: 129742
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: VY022338.D

Acq: 20 May 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

GVD14

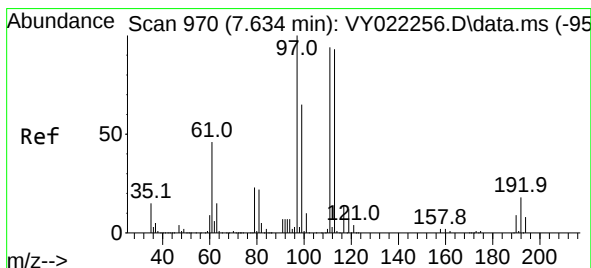
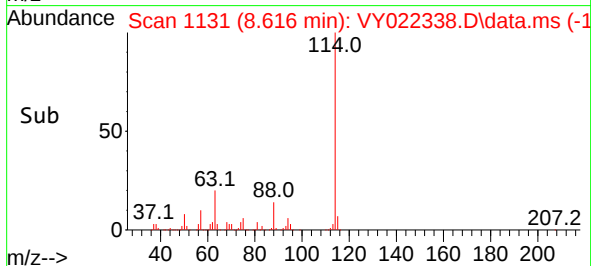
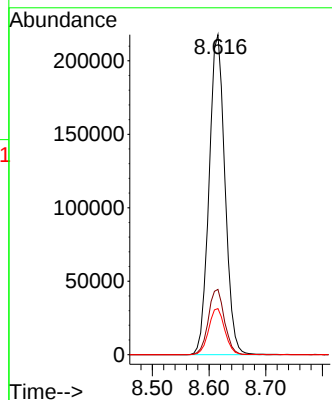
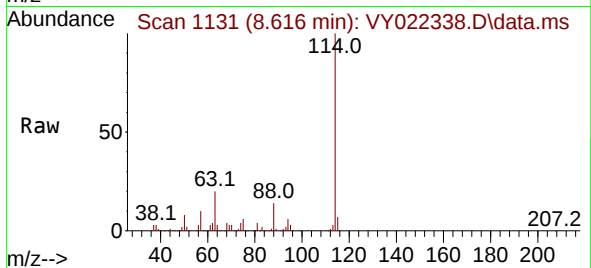
Tgt Ion:114 Resp: 423261

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.415 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022338.D

Acq: 20 May 2025 13:25

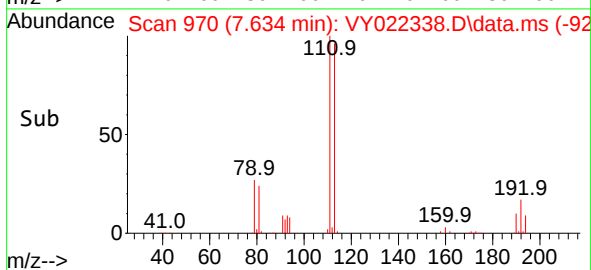
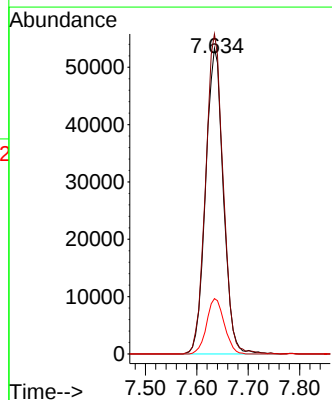
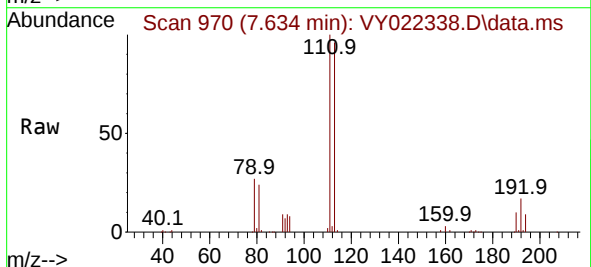
Tgt Ion:113 Resp: 127362

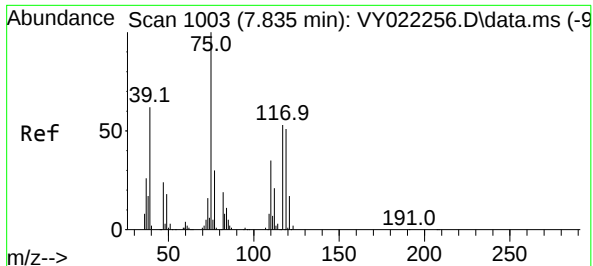
Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.222 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022338.D

Acq: 20 May 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

GVD14

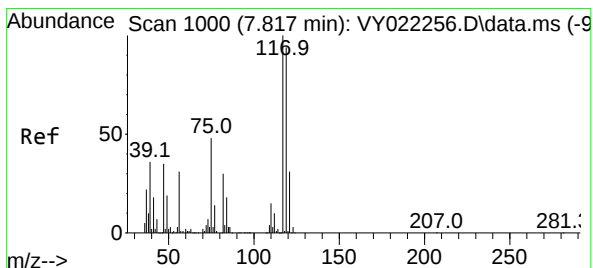
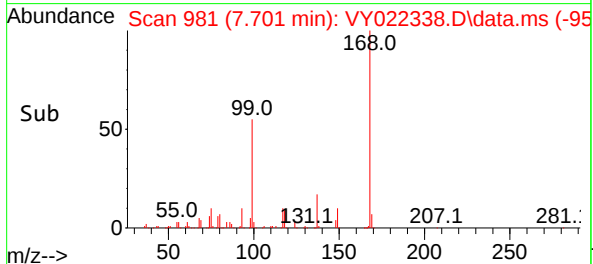
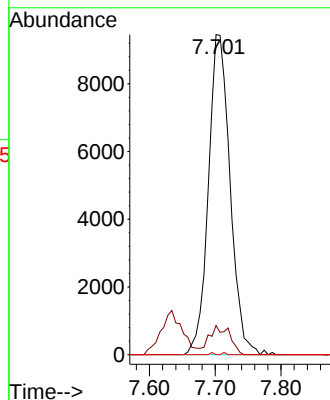
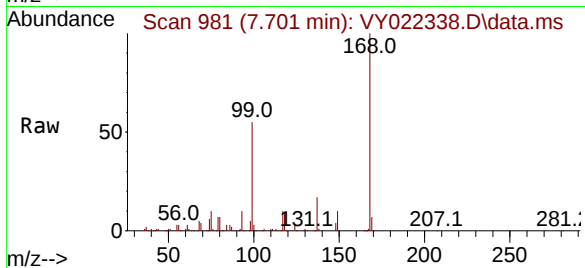
Tgt Ion: 75 Resp: 21730

Ion Ratio Lower Upper

75 100

110 8.5 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.705 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022338.D

Acq: 20 May 2025 13:25

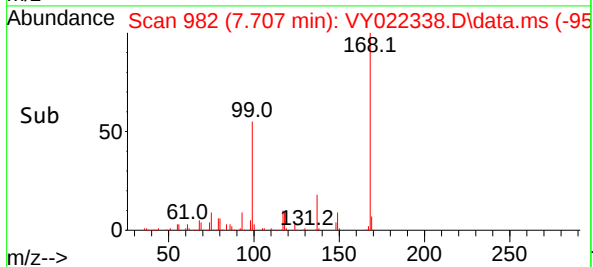
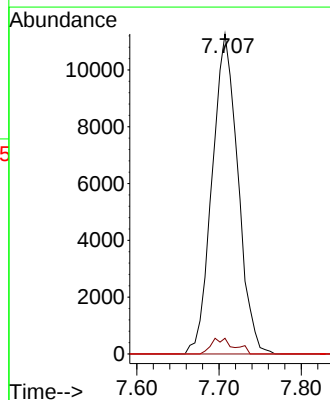
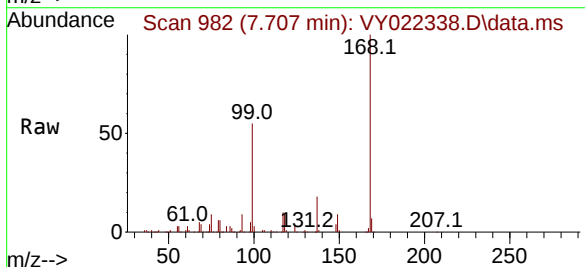
Tgt Ion: 117 Resp: 24572

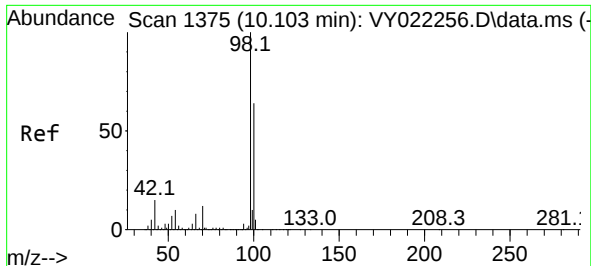
Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

121 0.0 24.7 37.1#

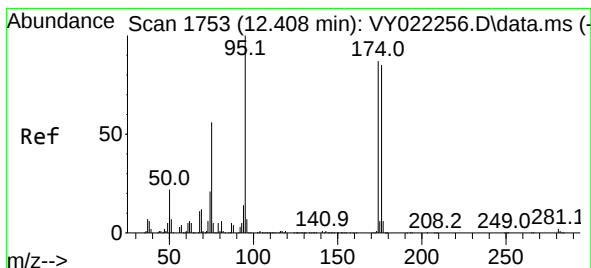
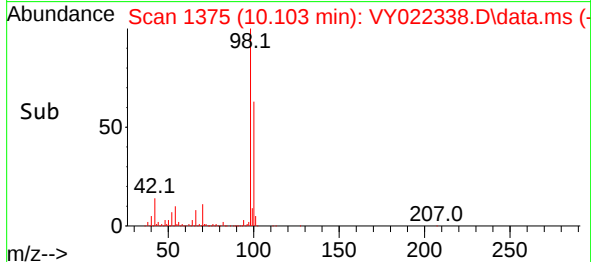
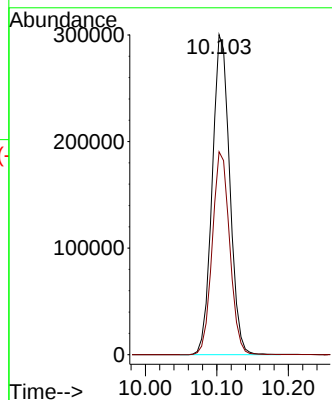
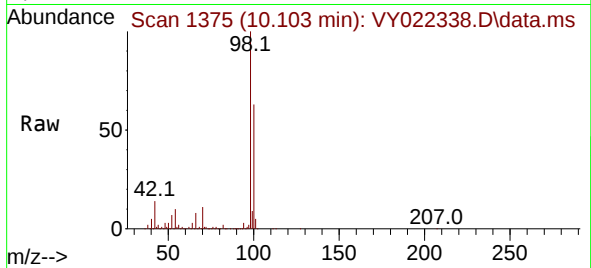




#50
Toluene-d8
Concen: 49.237 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

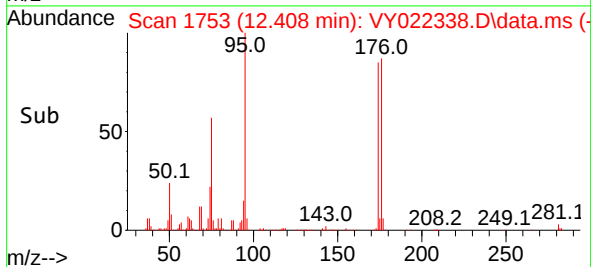
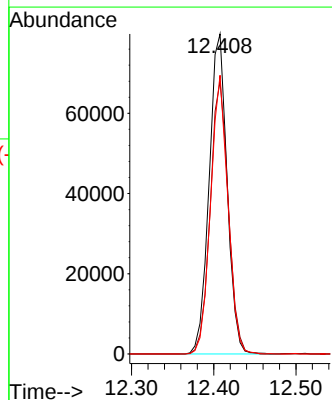
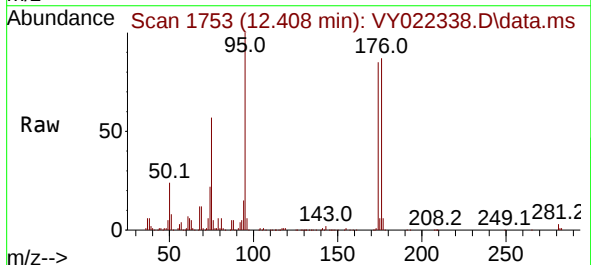
Instrument :
MSVOA_Y
ClientSampleId :
GVD14

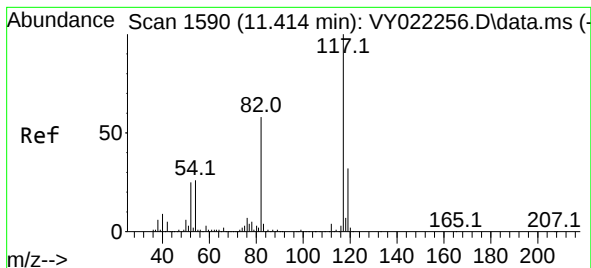
Tgt Ion: 98 Resp: 509429
Ion Ratio Lower Upper
98 100
100 63.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 36.955 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion: 95 Resp: 121193
Ion Ratio Lower Upper
95 100
174 85.8 0.0 166.8
176 83.9 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022338.D

Acq: 20 May 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

GVD14

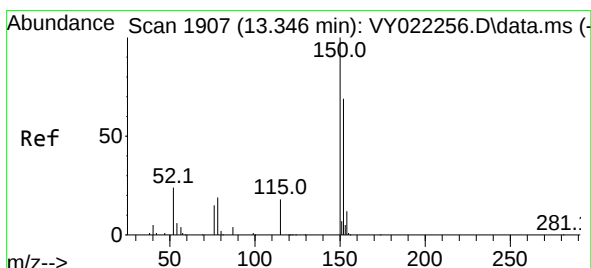
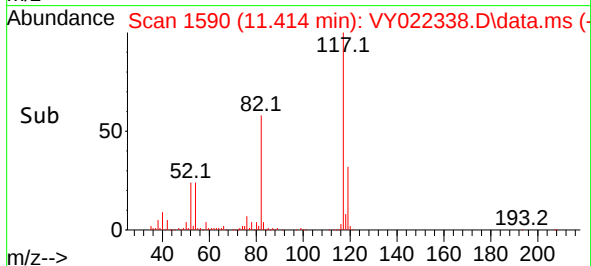
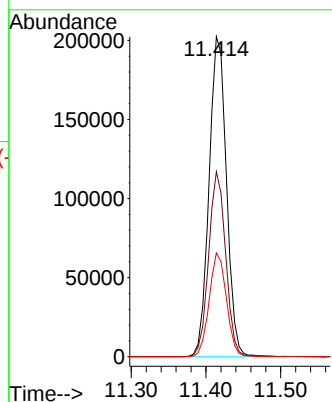
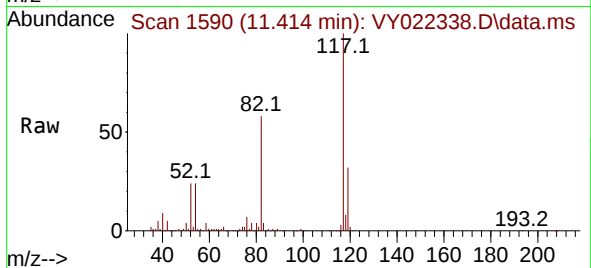
Tgt Ion:117 Resp: 327850

Ion Ratio Lower Upper

117 100

82 57.8 46.6 70.0

119 32.4 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: VY022338.D

Acq: 20 May 2025 13:25

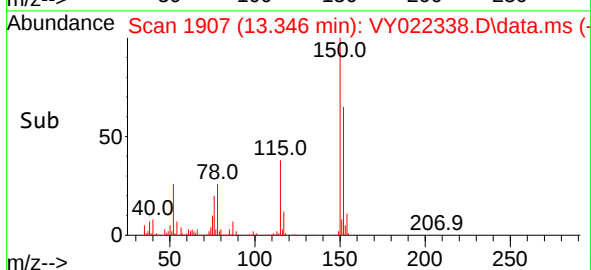
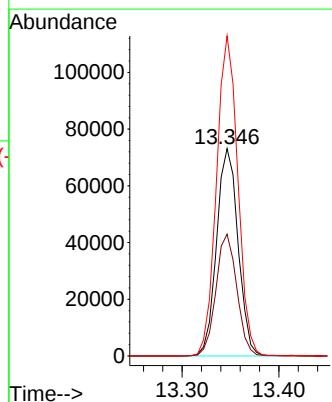
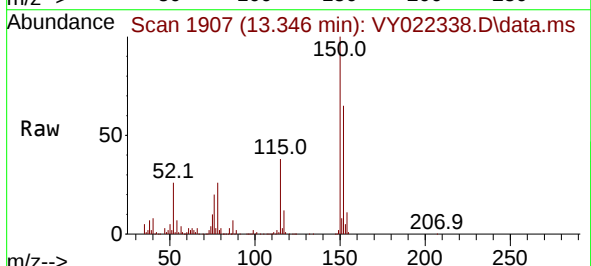
Tgt Ion:152 Resp: 112421

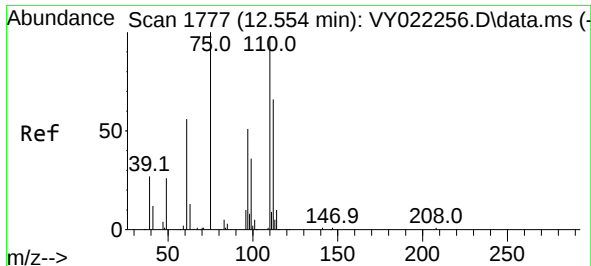
Ion Ratio Lower Upper

152 100

115 57.5 29.4 88.2

150 153.2 0.0 353.8

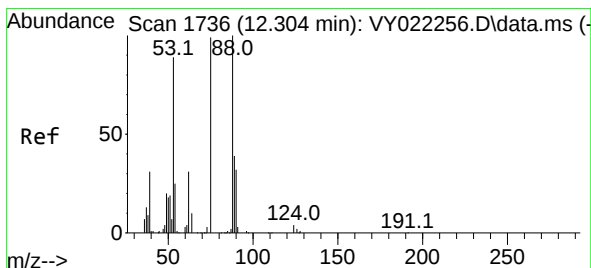
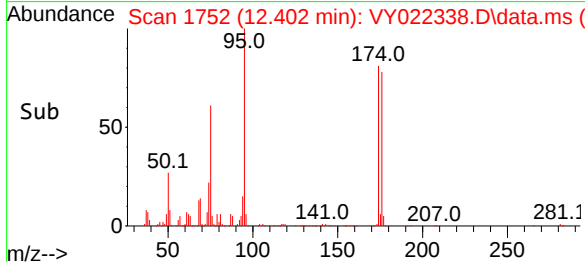
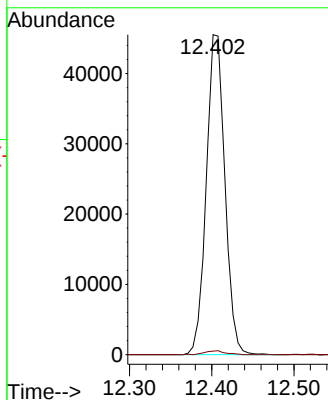
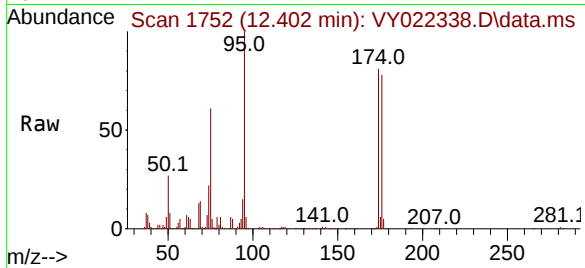




#76
1,2,3-Trichloropropane
Concen: 62.843 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Tgt Ion: 75 Resp: 71575
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.305 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion: 75 Resp: 71575
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 36.2 54.2#

