

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021354.D
 Acq On : 27 Feb 2025 13:38
 Operator : SY/MD
 Sample : Q1418-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-02242025

Quant Time: Feb 28 03:39:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

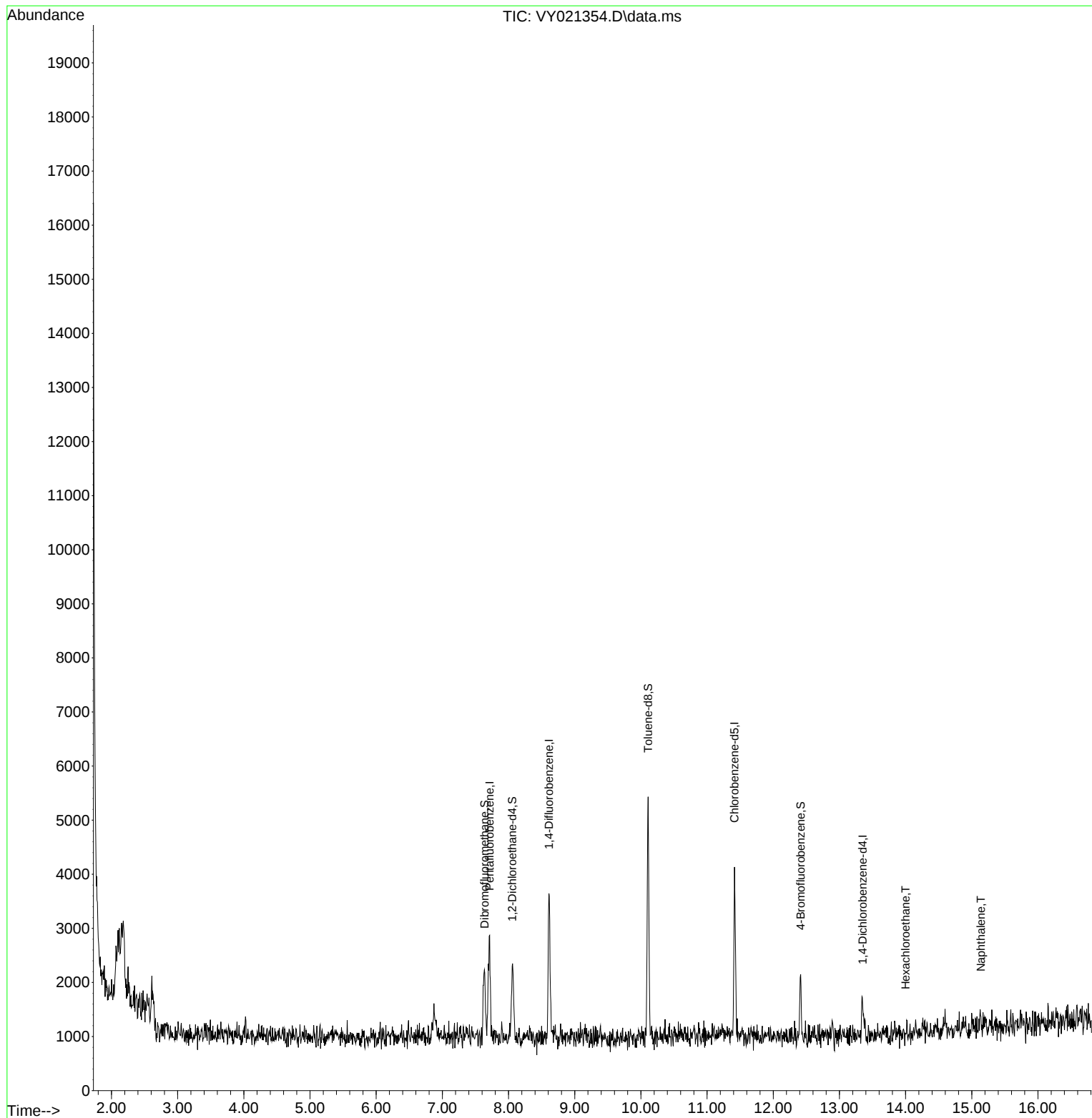
Internal Standards						
1) Pentafluorobenzene	7.713	168	1821	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	2804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1897	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	1410	68.256	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.520%
35) Dibromofluoromethane	7.640	113	1077	58.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.180%
50) Toluene-d8	10.109	98	3094	43.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.100%
62) 4-Bromofluorobenzene	12.414	95	458	19.155	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	38.300%
Target Compounds						
90) Hexachloroethane	13.999	117	113	23.560	ug/l	# 11
95) Naphthalene	15.139	128	272	26.267	ug/l	# 69

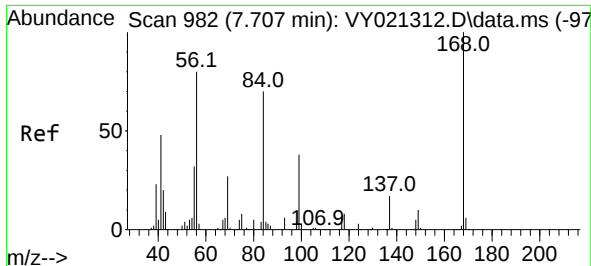
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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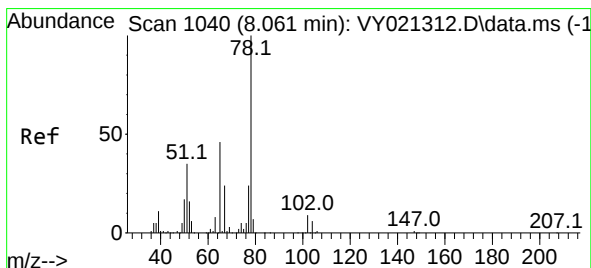
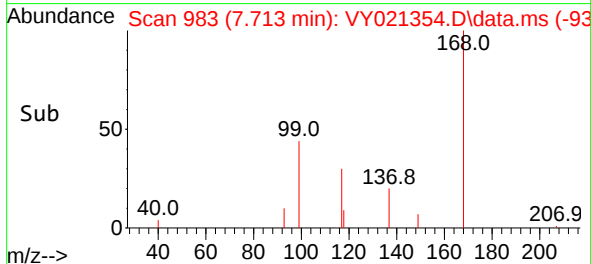
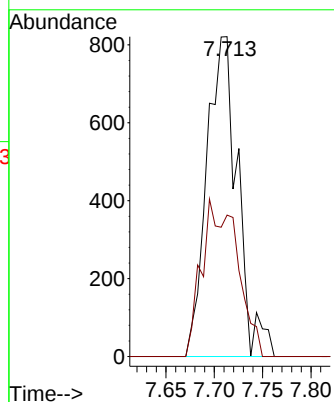
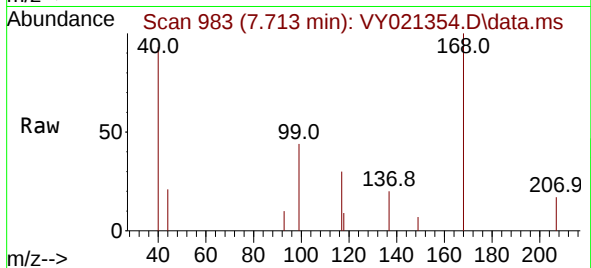




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

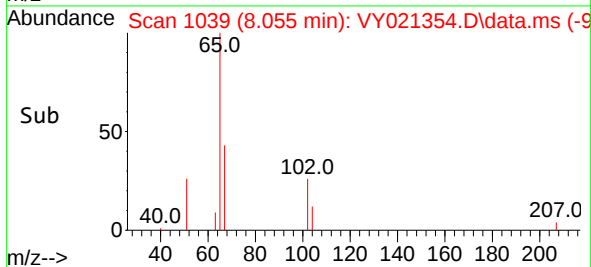
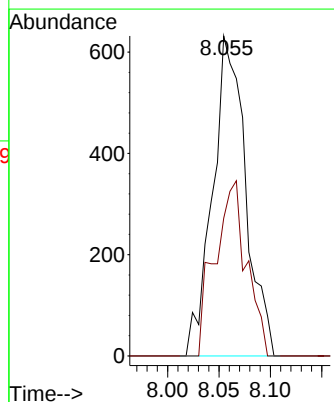
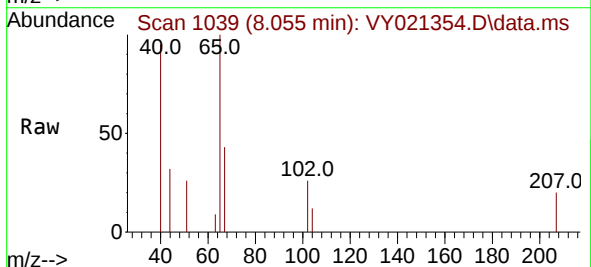
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-02242025

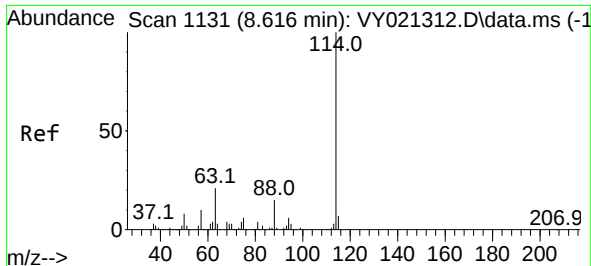
Tgt Ion:168 Resp: 1821
Ion Ratio Lower Upper
168 100
99 44.2 47.1 70.7#



#33
1,2-Dichloroethane-d4
Concen: 68.256 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

Tgt Ion: 65 Resp: 1410
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-02242025

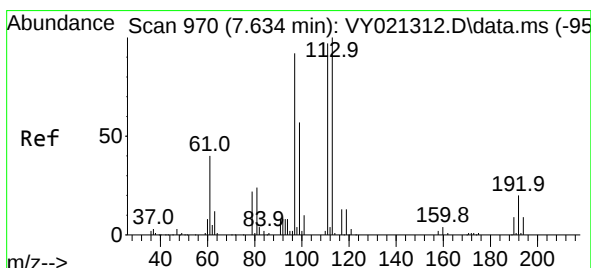
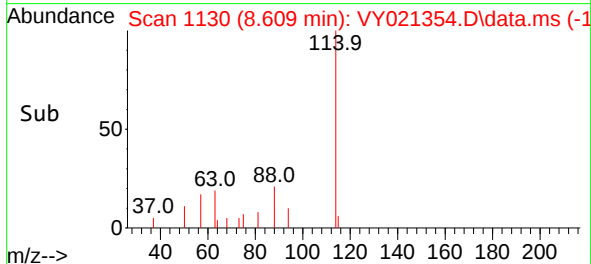
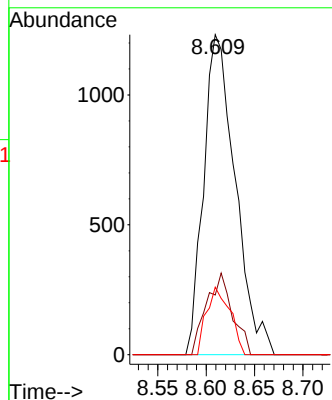
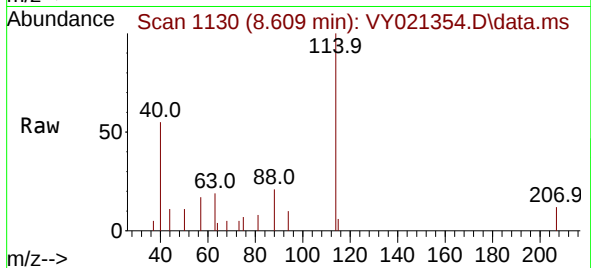
Tgt Ion:114 Resp: 2804

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.2

88 21.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 58.586 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

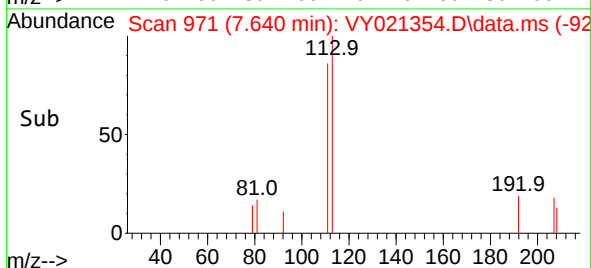
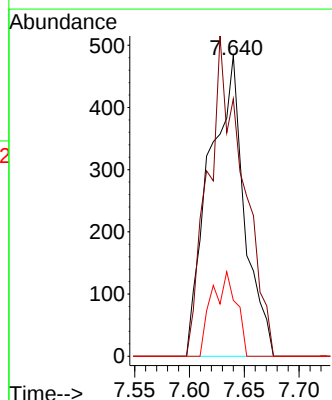
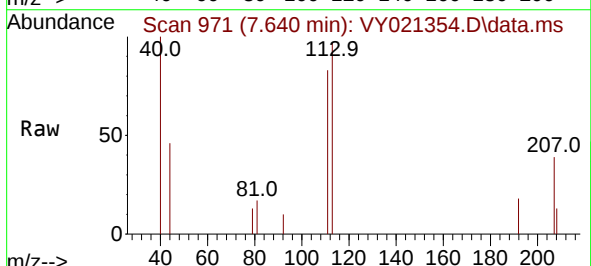
Tgt Ion:113 Resp: 1077

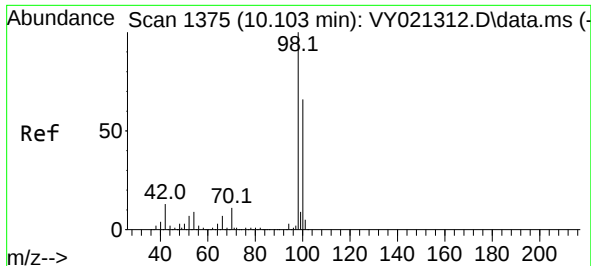
Ion Ratio Lower Upper

113 100

111 106.1 81.0 121.6

192 19.6 15.8 23.8

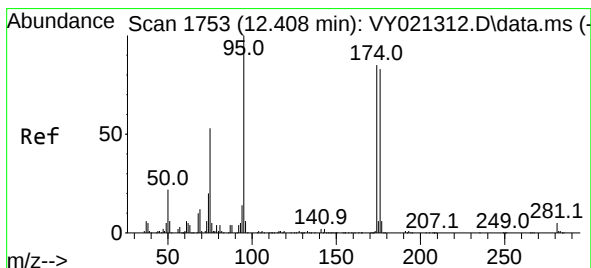
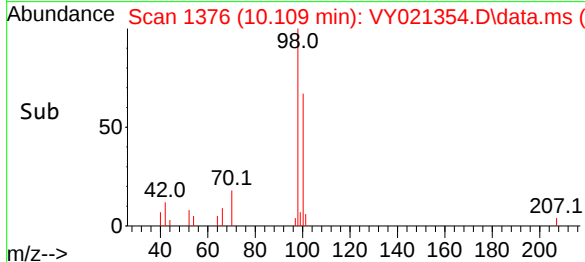
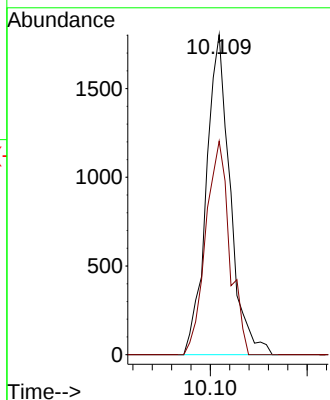
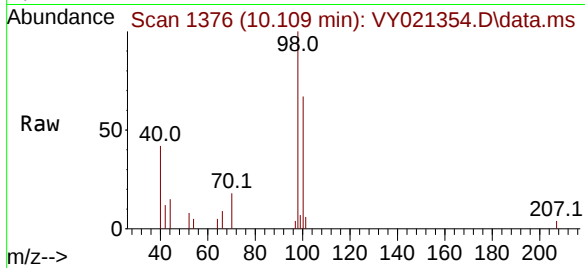




#50
Toluene-d8
Concen: 43.549 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

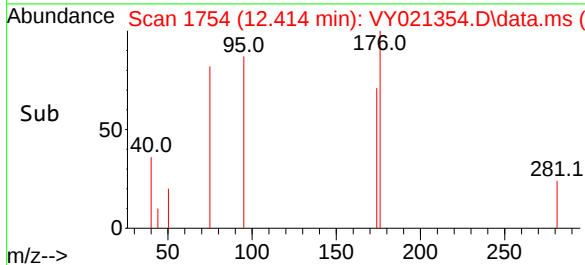
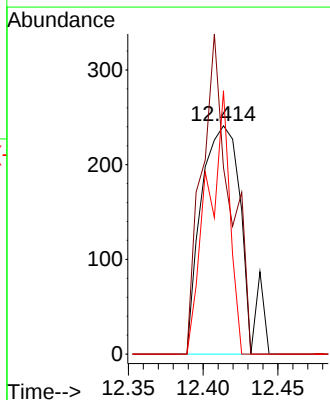
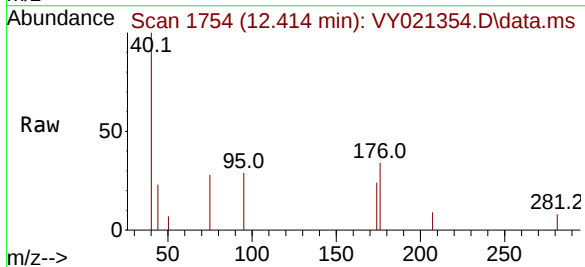
Instrument :
MSVOA_Y
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TR-06-02242025

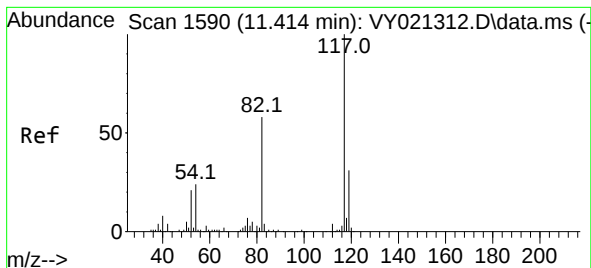
Tgt Ion: 98 Resp: 3094
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 19.155 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021354.D
Acq: 27 Feb 2025 13:38

Tgt Ion: 95 Resp: 458
Ion Ratio Lower Upper
95 100
174 97.2 0.0 168.0
176 63.1 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-02242025

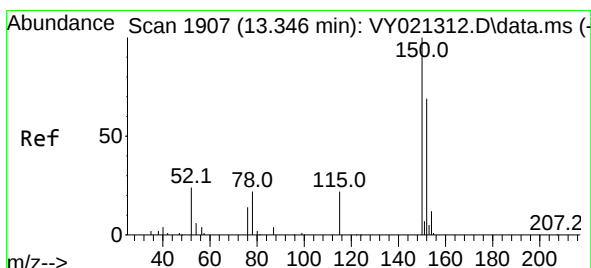
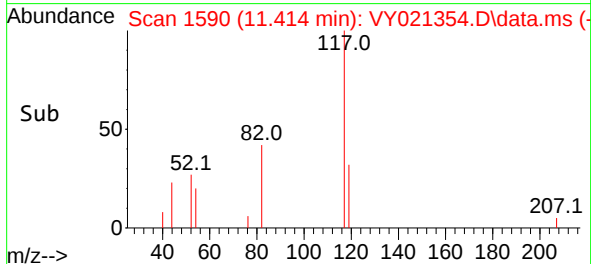
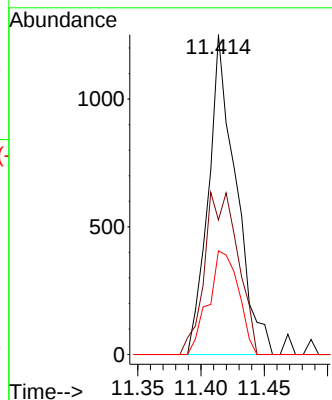
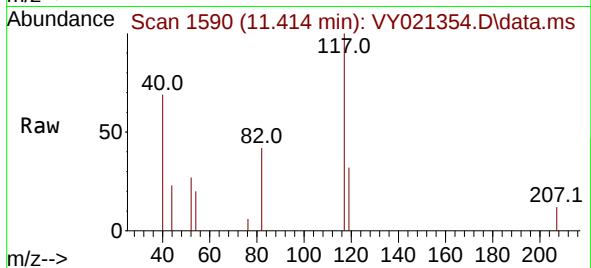
Tgt Ion:117 Resp: 1897

Ion Ratio Lower Upper

117 100

82 42.1 46.2 69.4#

119 32.4 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

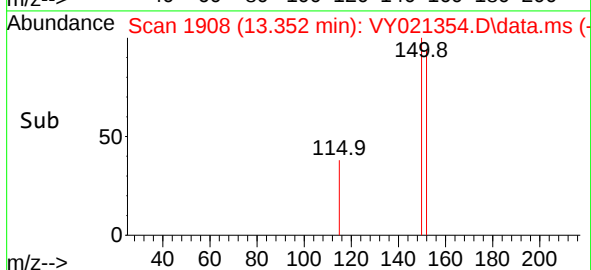
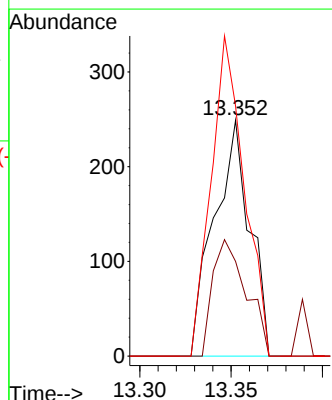
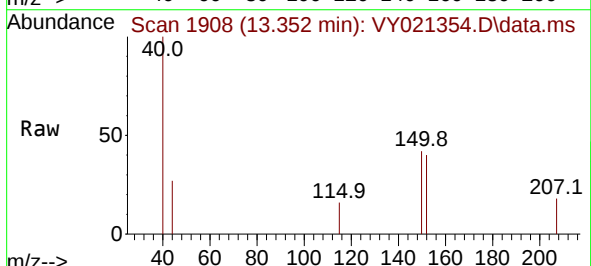
Tgt Ion:152 Resp: 338

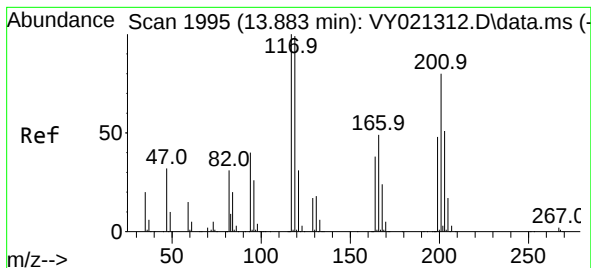
Ion Ratio Lower Upper

152 100

115 46.7 29.3 88.0

150 126.6 0.0 347.4





#90

Hexachloroethane

Concen: 23.560 ug/l

RT: 13.999 min Scan# 201

Delta R.T. 0.116 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

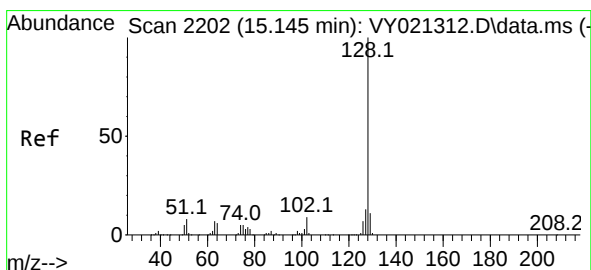
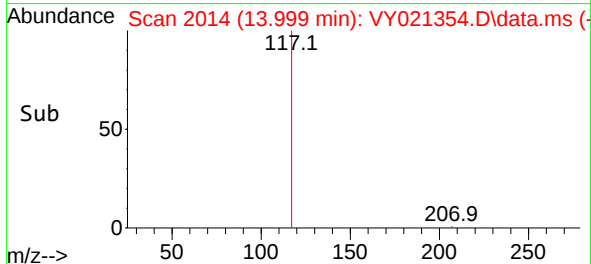
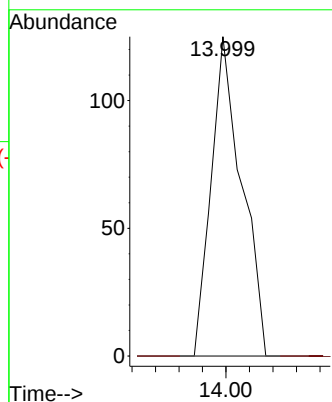
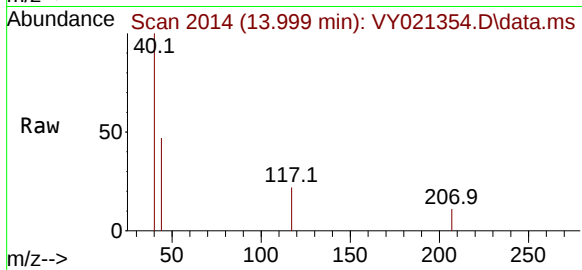
TR-06-02242025

Tgt Ion:117 Resp: 113

Ion Ratio Lower Upper

117 100

201 0.0 38.4 115.2#



#95

Naphthalene

Concen: 26.267 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY021354.D

Acq: 27 Feb 2025 13:38

Tgt Ion:128 Resp: 272

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.5 12.7#

