

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021390.D
 Acq On : 28 Feb 2025 19:02
 Operator : SY/MD
 Sample : Q1463-02
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-0-02272025

Quant Time: Feb 28 22:24:12 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	7.707	168	111897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	205241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	173222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	66903	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	73262	57.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.440%
35) Dibromofluoromethane	7.634	113	72355	53.772	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.540%
50) Toluene-d8	10.109	98	194995	37.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.000%
62) 4-Bromofluorobenzene	12.408	95	72028	41.156	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.320%

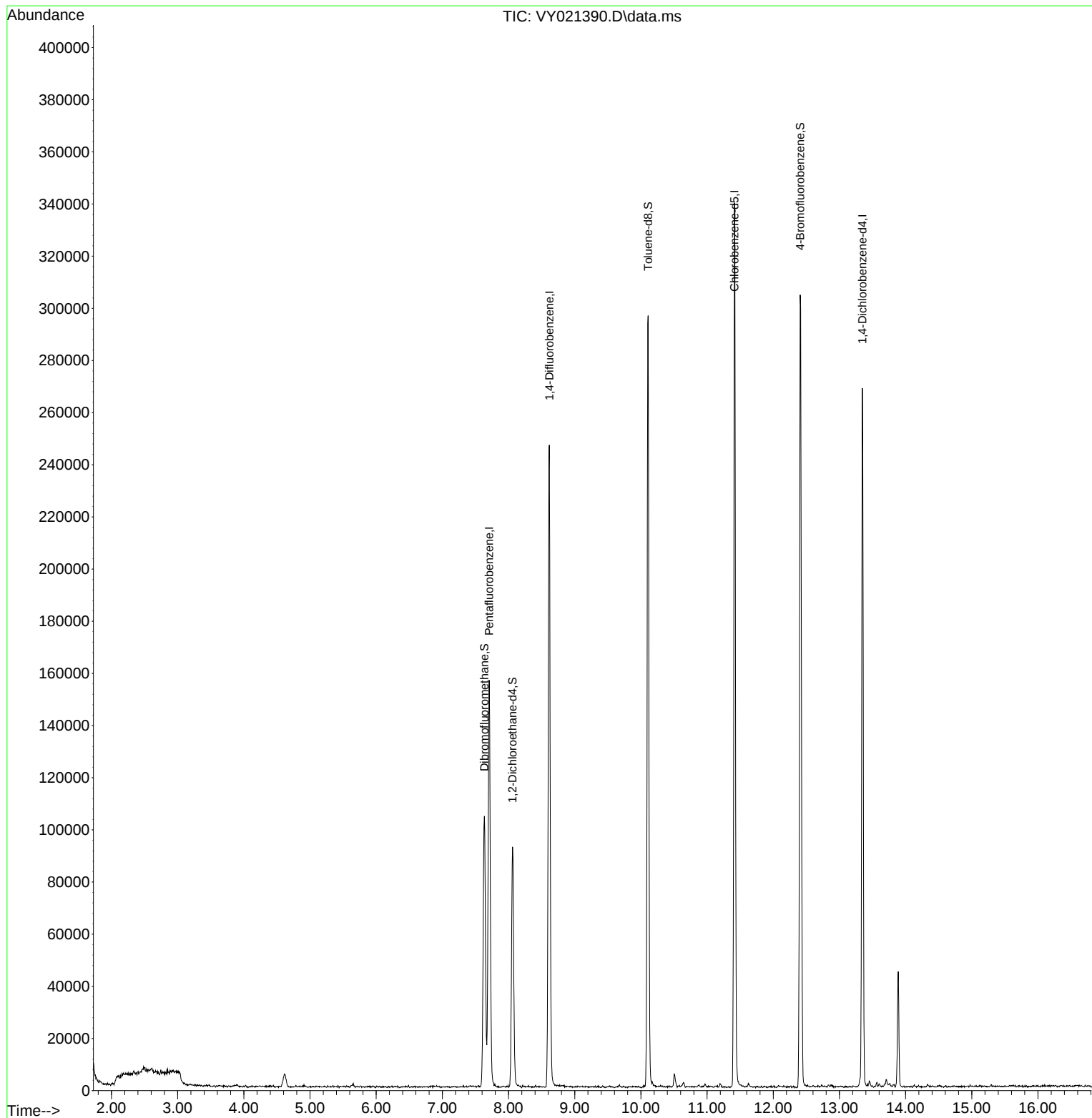
Target Compounds	Qvalue

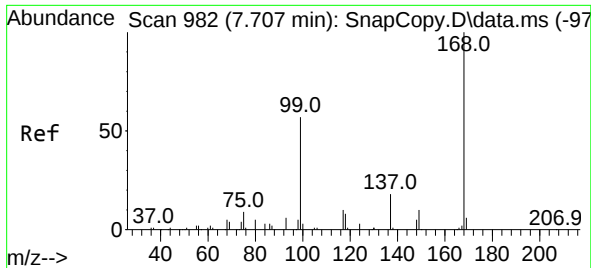
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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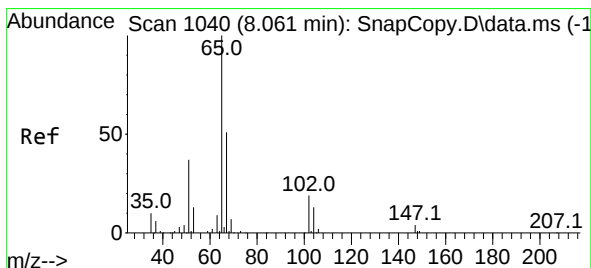
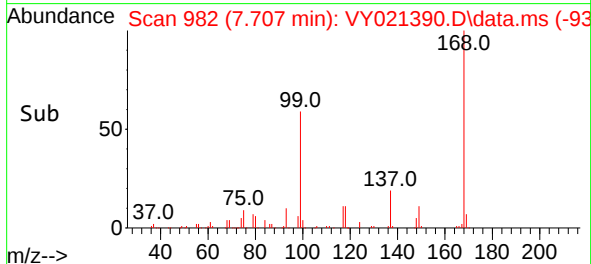
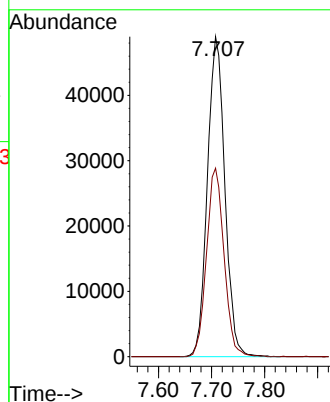
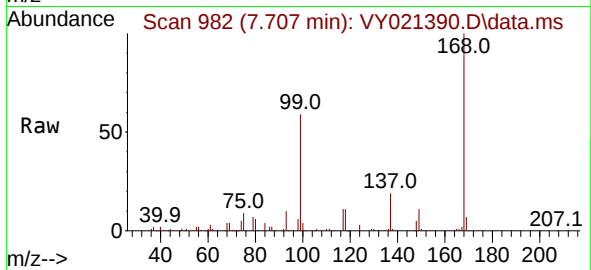




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

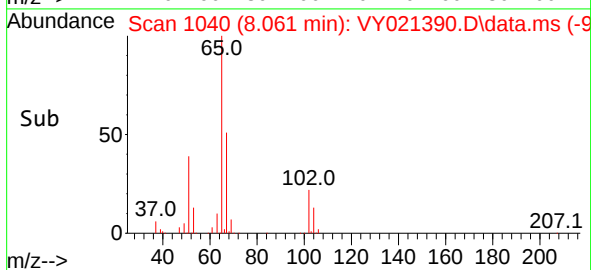
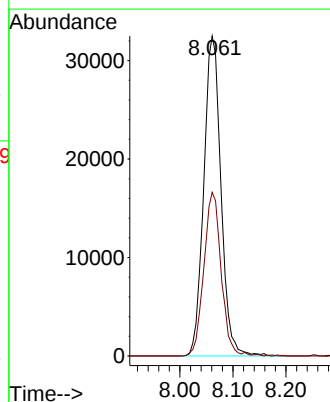
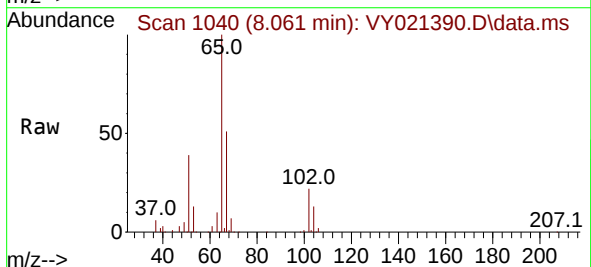
Instrument :
MSVOA_Y
ClientSampleId :
HR-0-02272025

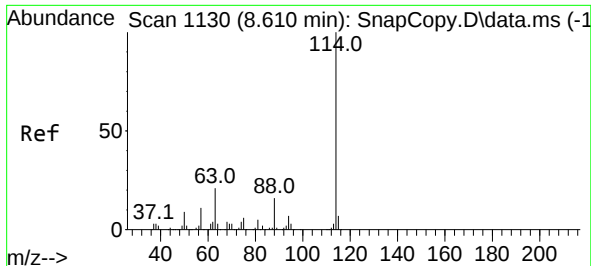
Tgt Ion:168 Resp: 111897
Ion Ratio Lower Upper
168 100
99 58.9 47.1 70.7



#33
1,2-Dichloroethane-d4
Concen: 57.715 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Tgt Ion: 65 Resp: 73262
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.6

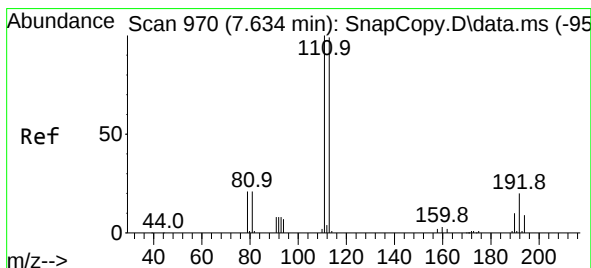
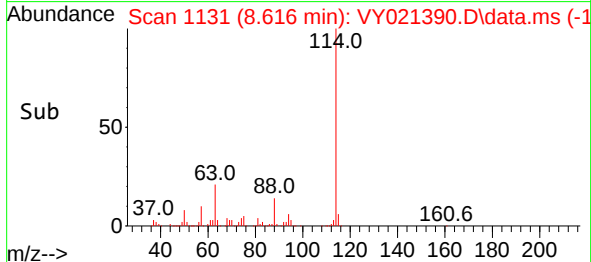
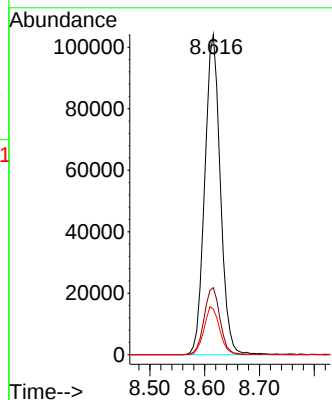
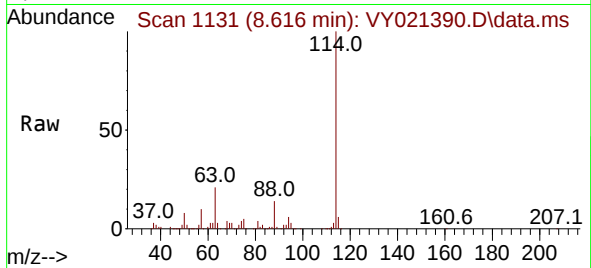




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

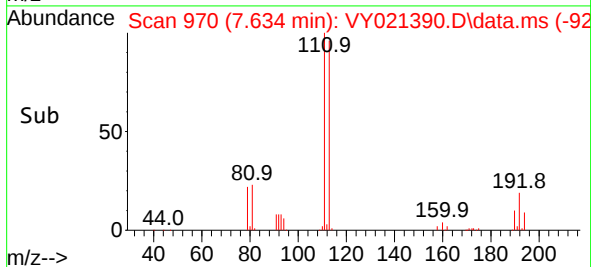
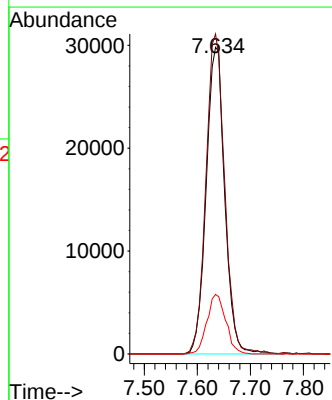
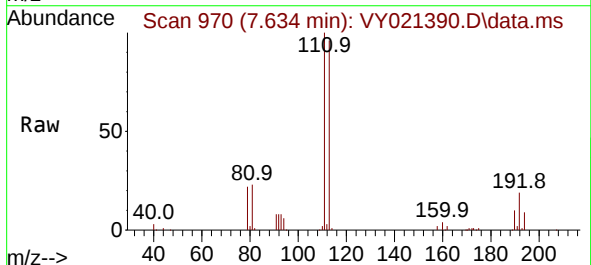
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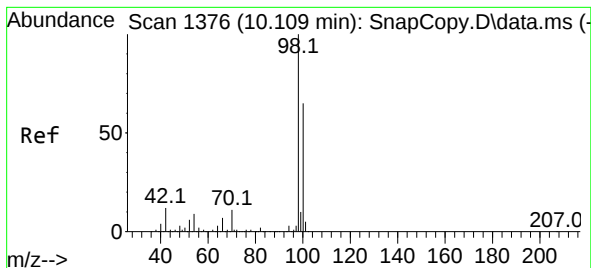
Tgt Ion:114 Resp: 205241
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 14.3 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.772 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Tgt Ion:113 Resp: 72355
Ion Ratio Lower Upper
113 100
111 105.4 81.0 121.6
192 19.7 15.8 23.8

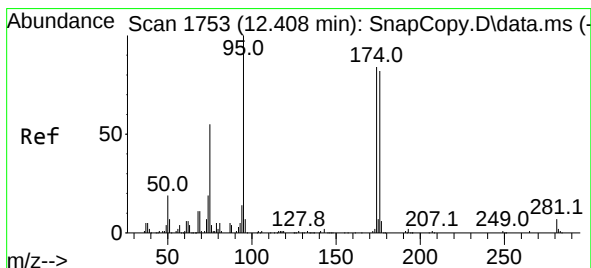
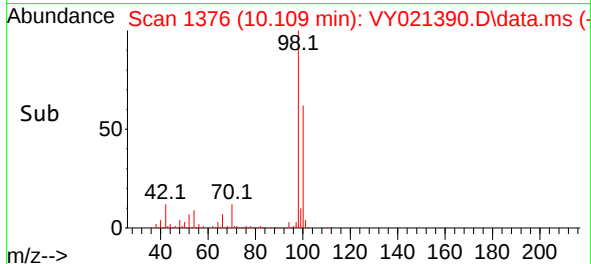
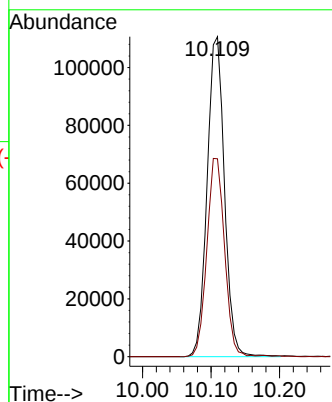
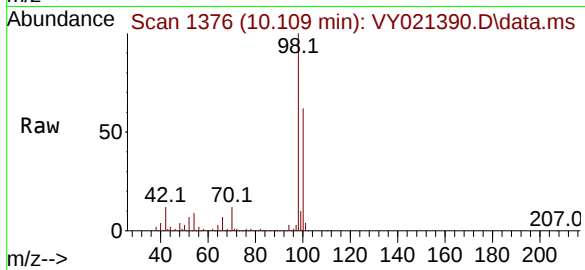




#50
Toluene-d8
Concen: 37.497 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

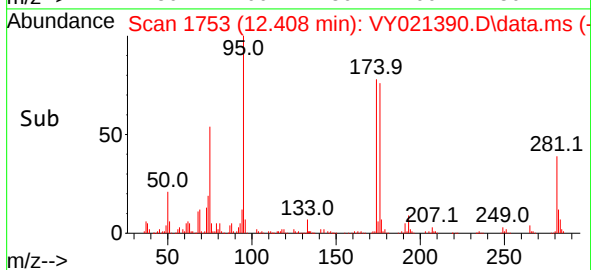
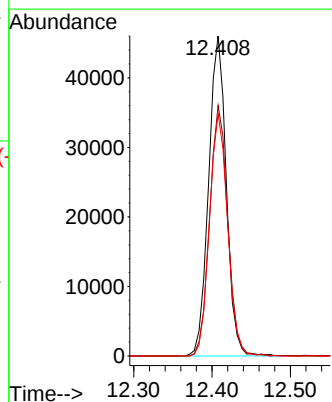
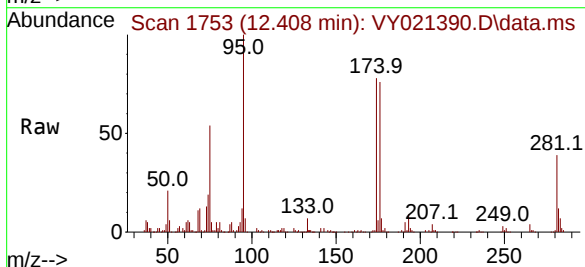
Instrument :
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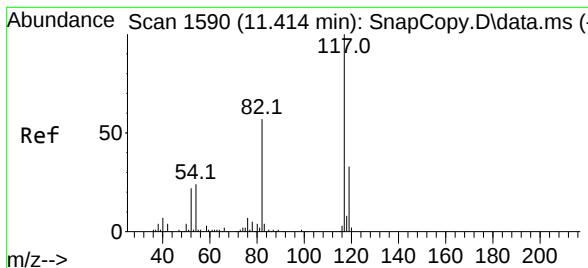
Tgt Ion: 98 Resp: 194995
Ion Ratio Lower Upper
98 100
100 63.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 41.156 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Tgt Ion: 95 Resp: 72028
Ion Ratio Lower Upper
95 100
174 79.9 0.0 168.0
176 77.7 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: VY021390.D

Acq: 28 Feb 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

HR-0-02272025

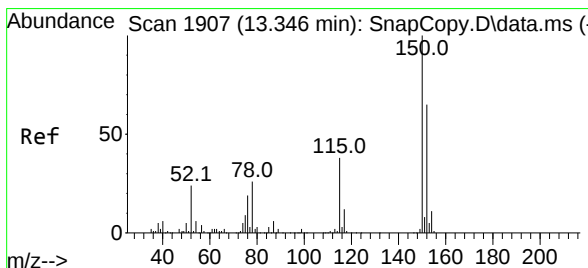
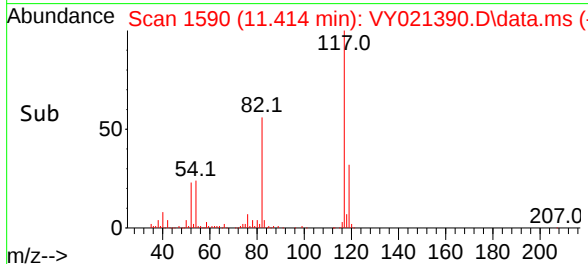
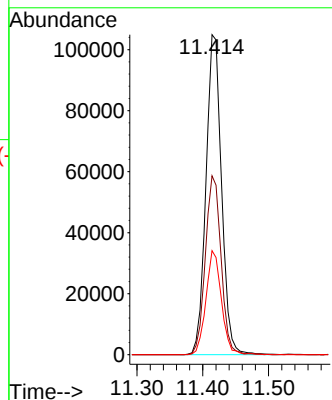
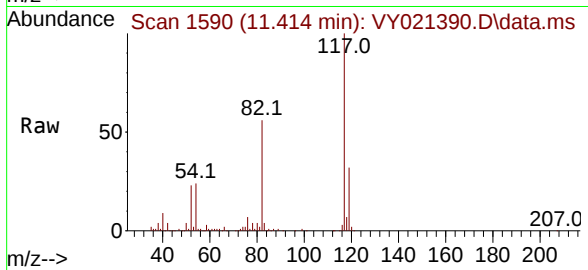
Tgt Ion:117 Resp: 173222

Ion Ratio Lower Upper

117 100

82 55.9 46.2 69.4

119 32.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021390.D

Acq: 28 Feb 2025 19:02

Tgt Ion:152 Resp: 66903

Ion Ratio Lower Upper

152 100

115 58.4 29.3 88.0

150 155.5 0.0 347.4

