

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022417.D
 Acq On : 23 May 2025 19:34
 Operator : SY/MD
 Sample : Q2113-01
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-05222025

Quant Time: May 27 14:56:49 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	310315	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	558093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	446445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	165267	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	174678	51.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.020%
35) Dibromofluoromethane	7.640	113	167781	50.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.740%
50) Toluene-d8	10.115	98	665766	48.801	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.408	95	172282	39.842	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.680%

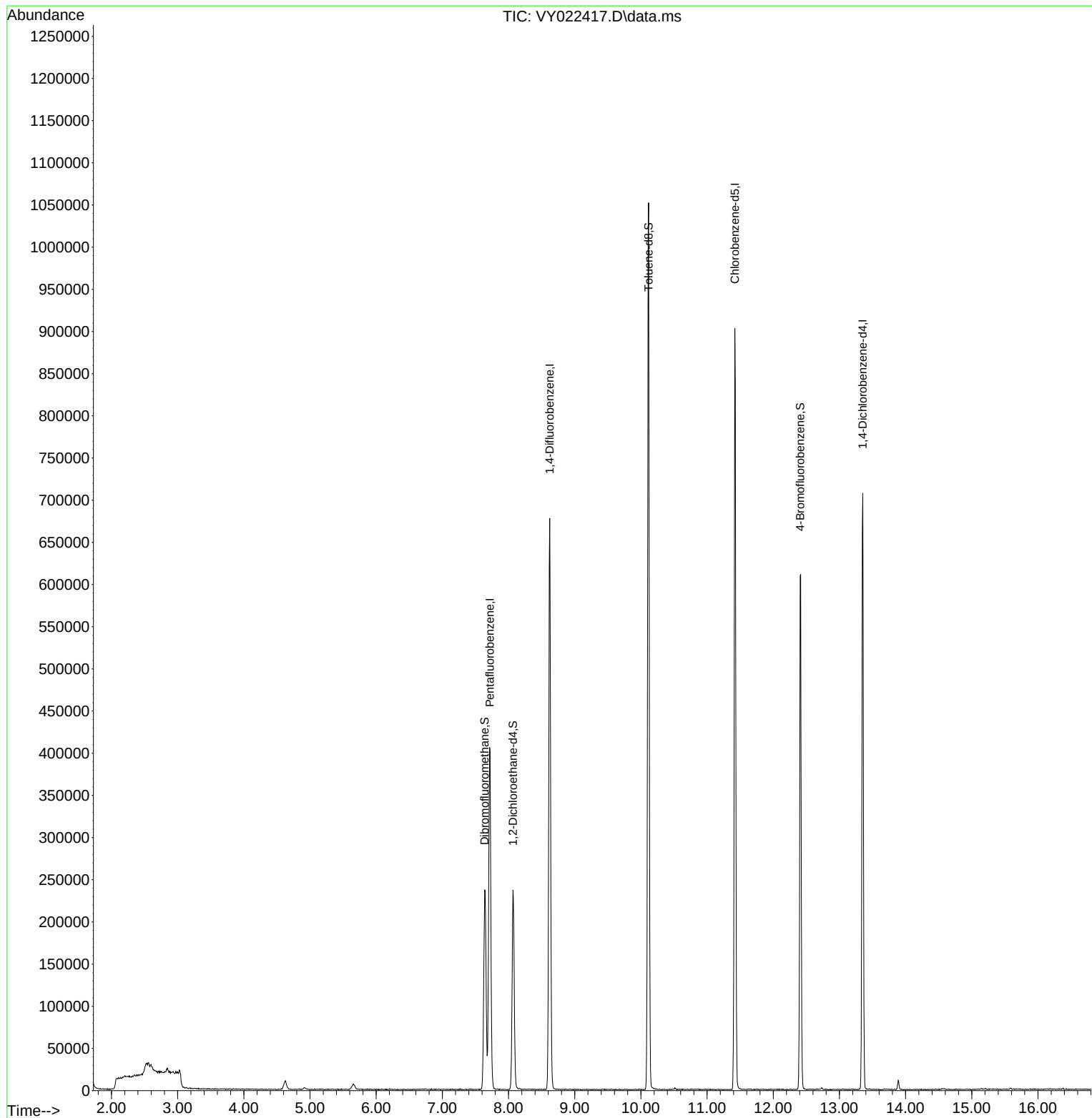
Target Compounds	Qvalue

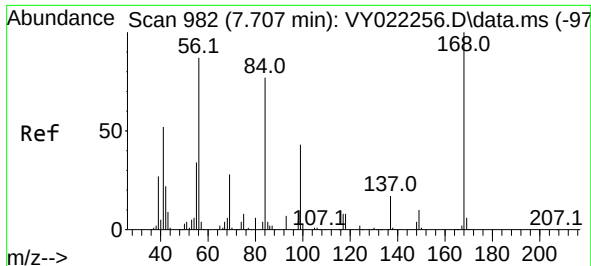
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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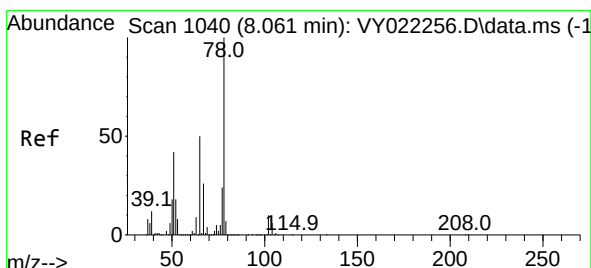
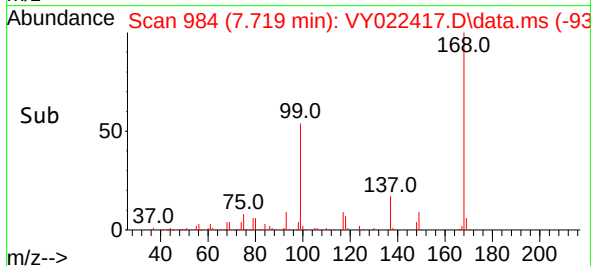
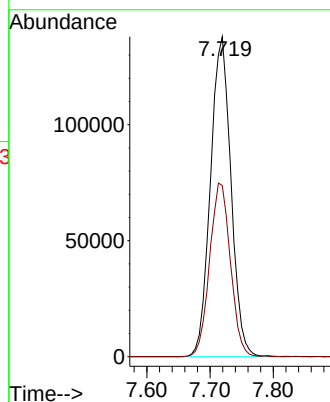
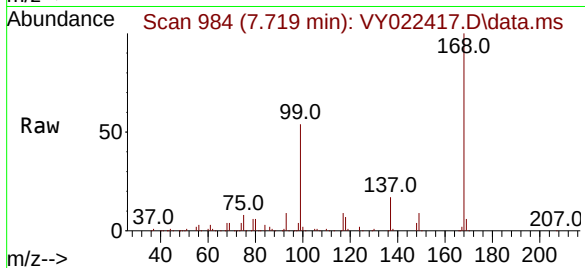




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

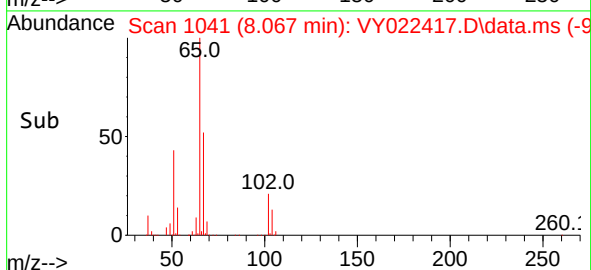
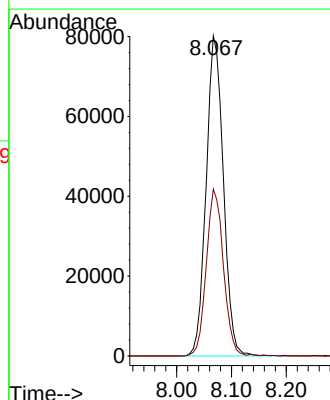
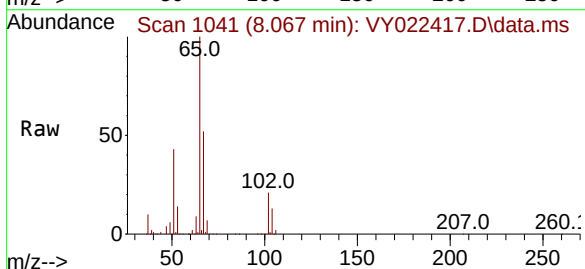
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

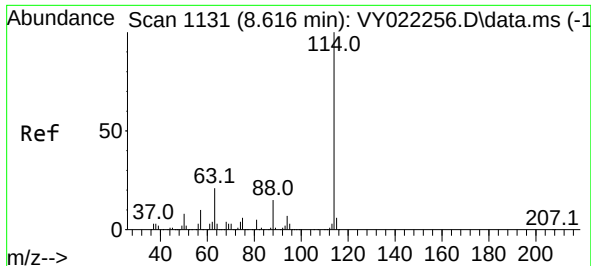
Tgt Ion:168 Resp: 310315
Ion Ratio Lower Upper
168 100
99 53.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 51.505 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Tgt Ion: 65 Resp: 174678
Ion Ratio Lower Upper
65 100
67 51.7 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: VY022417.D

Acq: 23 May 2025 19:34

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025

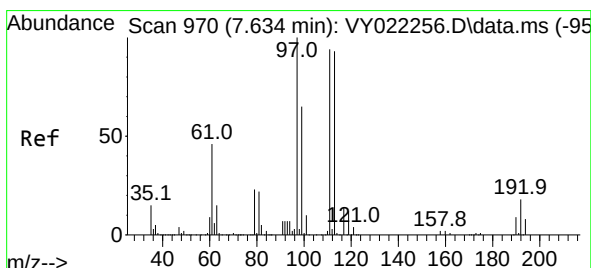
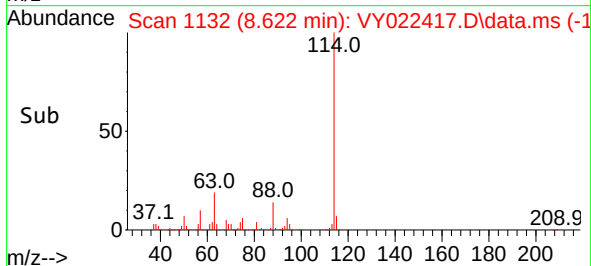
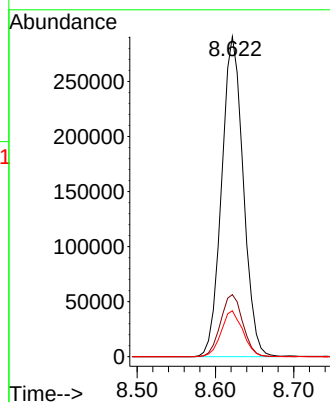
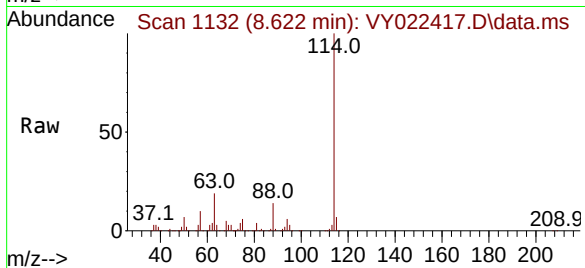
Tgt Ion:114 Resp: 558093

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 14.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.369 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022417.D

Acq: 23 May 2025 19:34

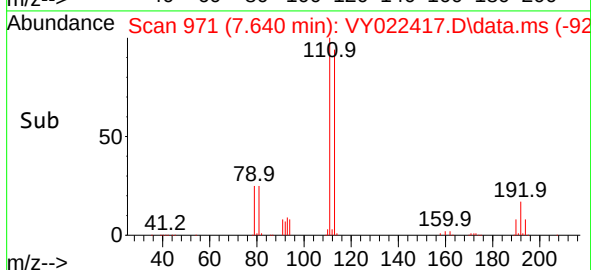
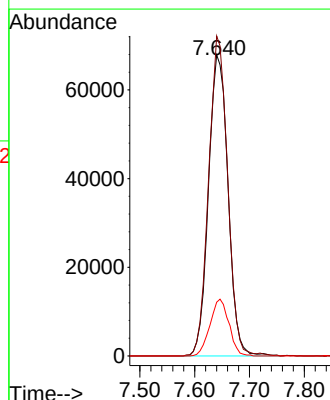
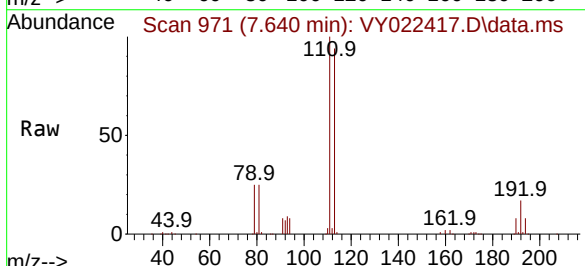
Tgt Ion:113 Resp: 167781

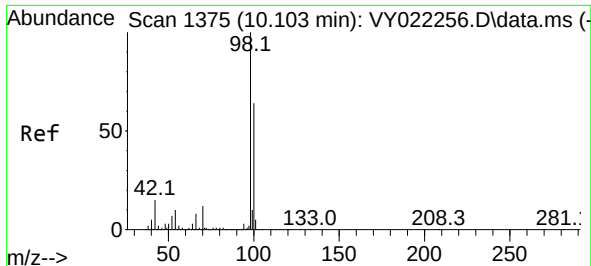
Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 18.3 15.2 22.8

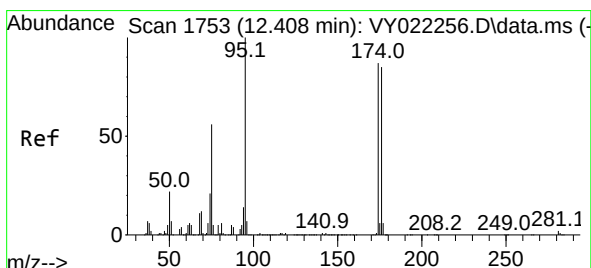
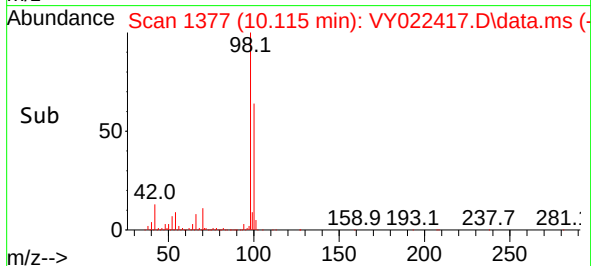
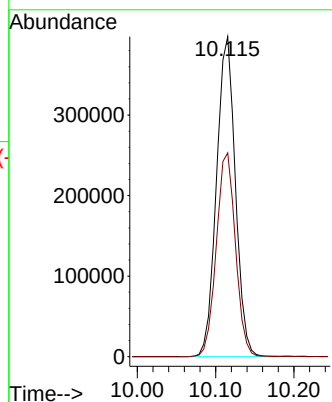
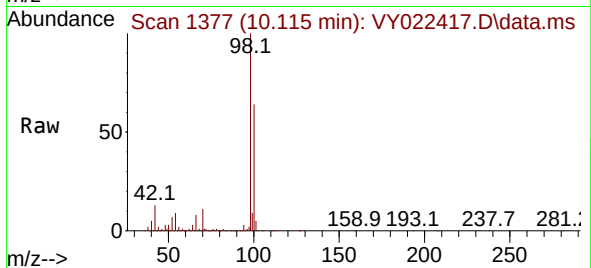




#50
Toluene-d8
Concen: 48.801 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

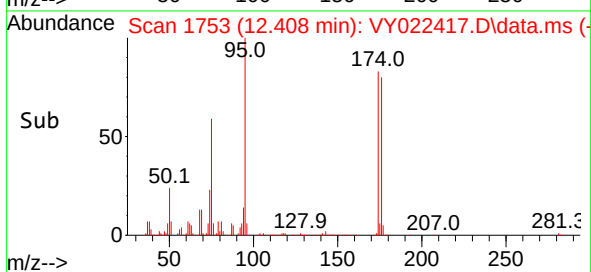
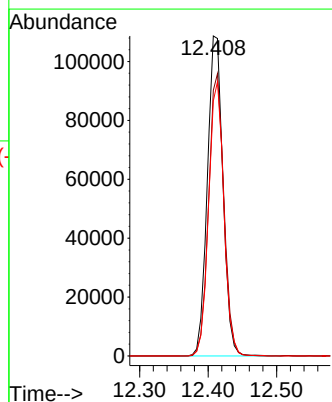
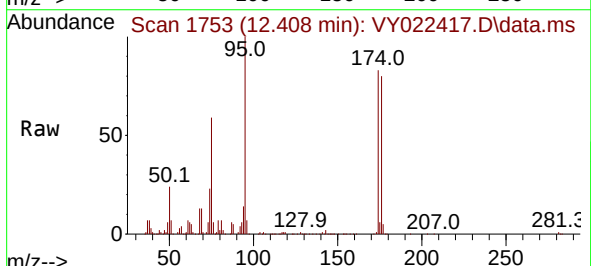
Instrument :
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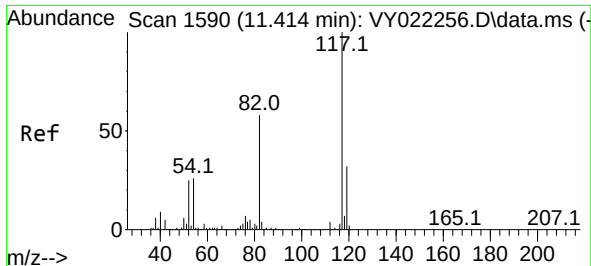
Tgt Ion: 98 Resp: 665766
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.842 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Tgt Ion: 95 Resp: 172282
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.8
176 83.6 0.0 160.8

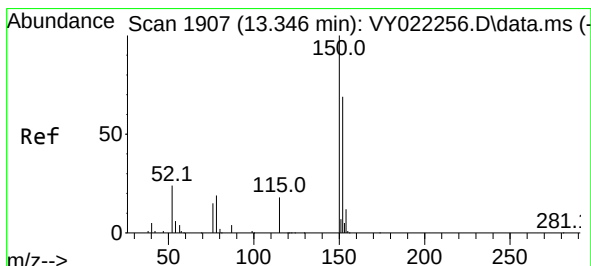
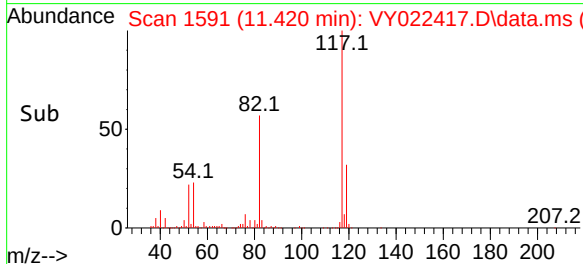
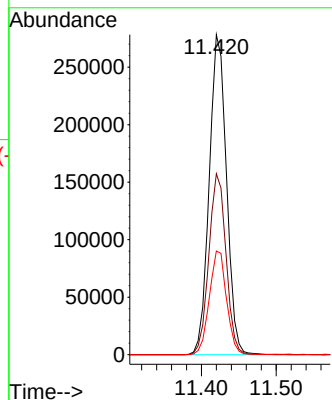
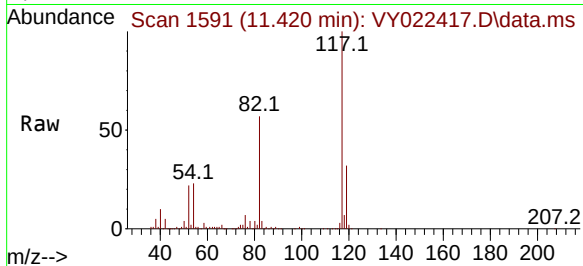




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

Tgt Ion:117 Resp: 446445
Ion Ratio Lower Upper
117 100
82 56.5 46.6 70.0
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Tgt Ion:152 Resp: 165267
Ion Ratio Lower Upper
152 100
115 57.6 29.4 88.2
150 158.5 0.0 353.8

