

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022549.D
 Acq On : 04 Jun 2025 14:37
 Operator : SY/MD
 Sample : Q2199-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-343

Quant Time: Jun 05 04:16:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	78925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	131750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	94714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	31572	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41897	47.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.920%
35) Dibromofluoromethane	7.634	113	39071	49.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.103	98	147103	46.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.402	95	34017	35.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.860%

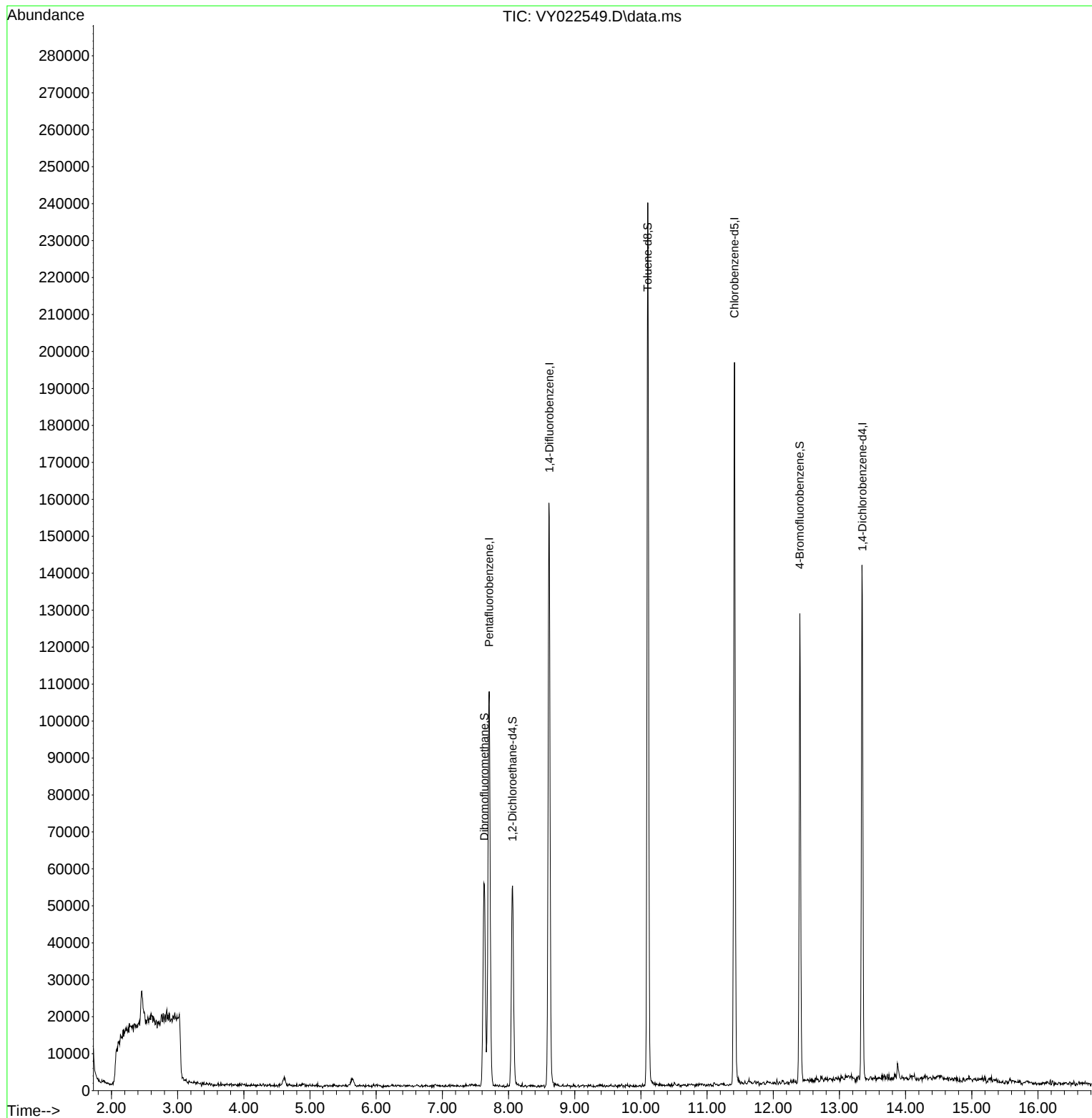
Target Compounds	Qvalue

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

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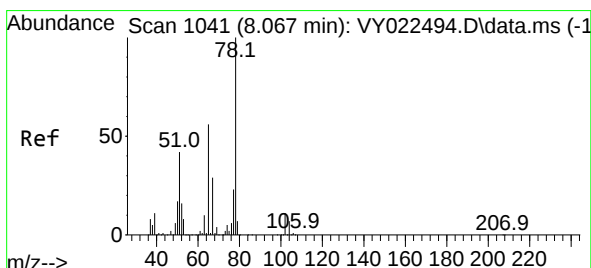
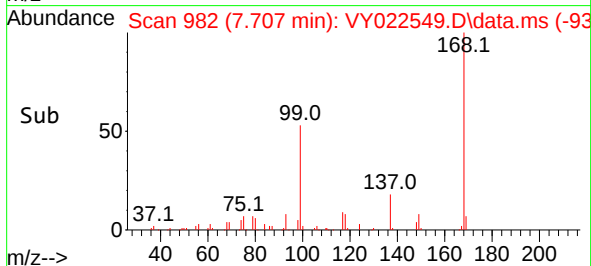
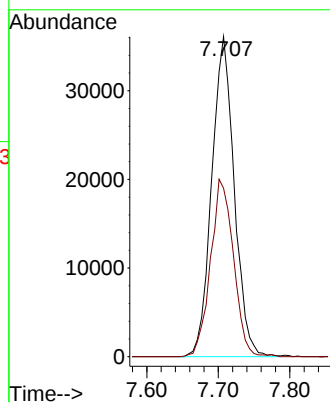
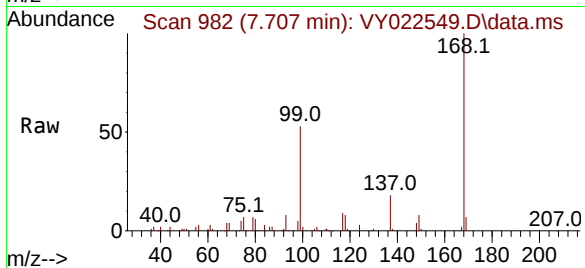




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

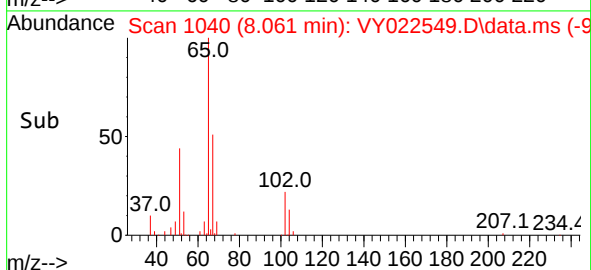
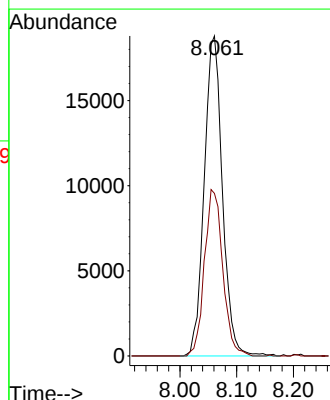
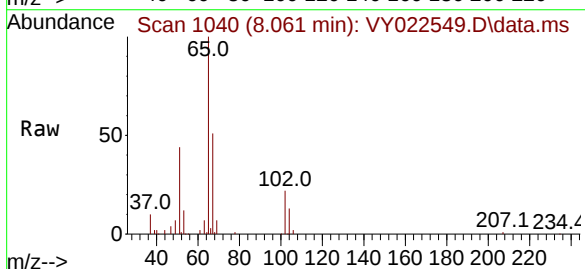
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-343

Tgt Ion:168 Resp: 78925
Ion Ratio Lower Upper
168 100
99 52.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.463 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Tgt Ion: 65 Resp: 41897
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

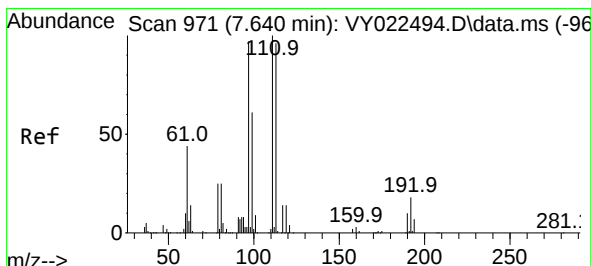
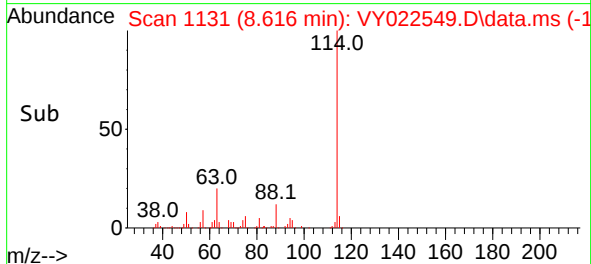
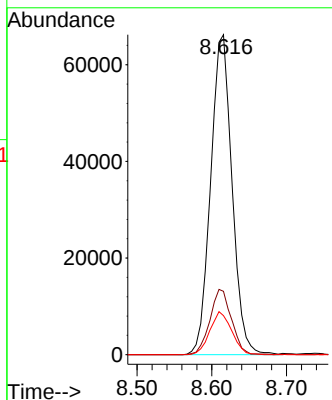
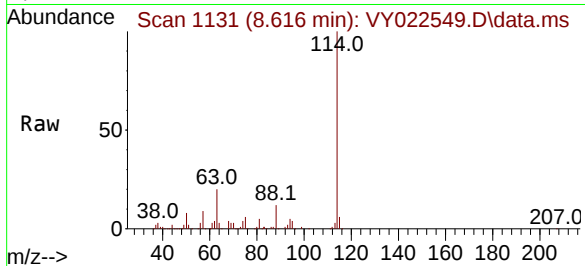




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

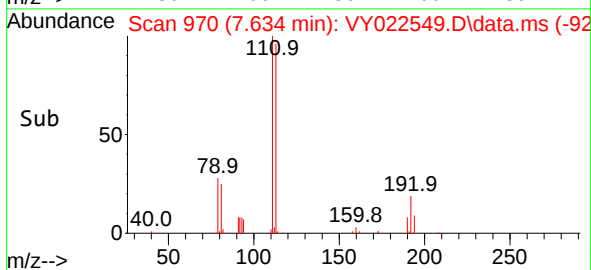
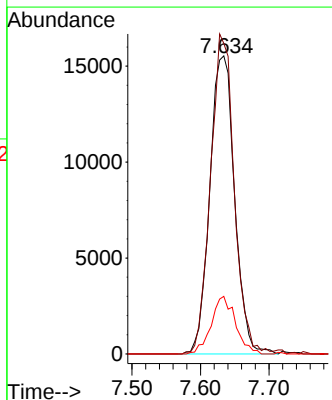
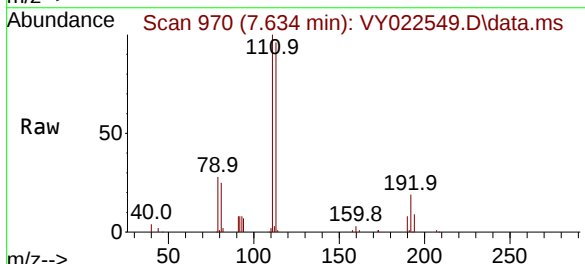
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-343

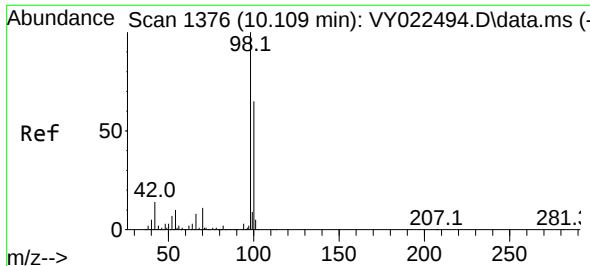
Tgt Ion:114 Resp: 131750
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 12.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.684 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Tgt Ion:113 Resp: 39071
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.9 14.2 21.2

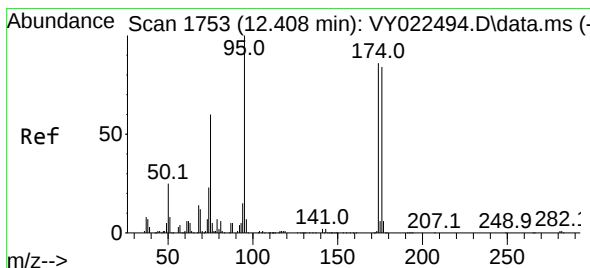
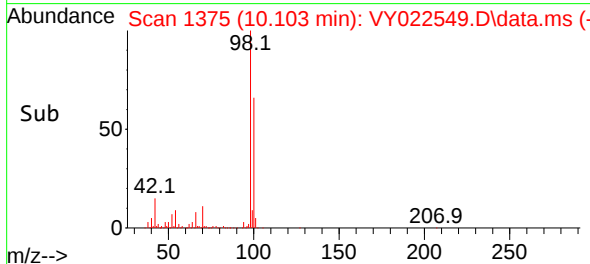
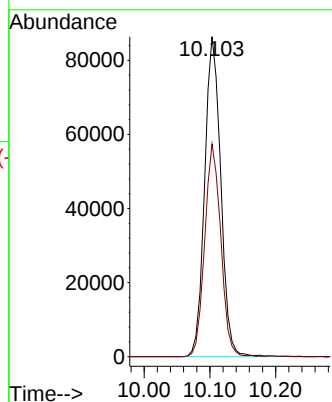
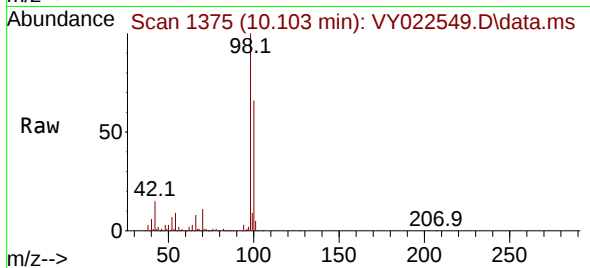




#50
Toluene-d8
Concen: 46.295 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

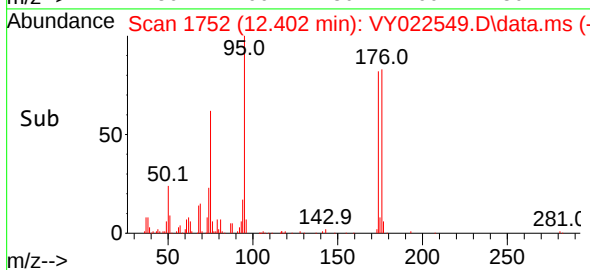
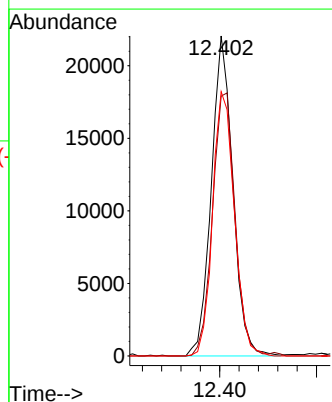
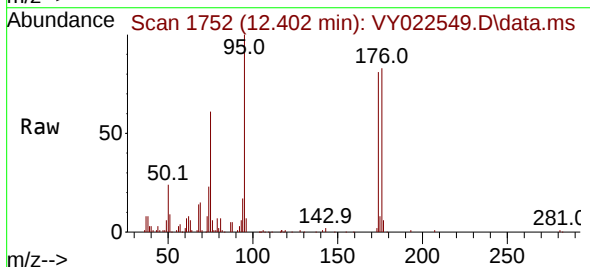
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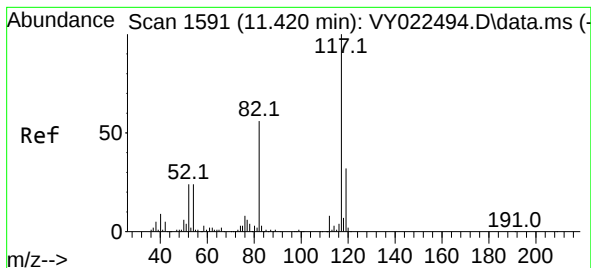
Tgt Ion: 98 Resp: 147103
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 35.931 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Tgt Ion: 95 Resp: 34017
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 83.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022549.D

Acq: 04 Jun 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-343

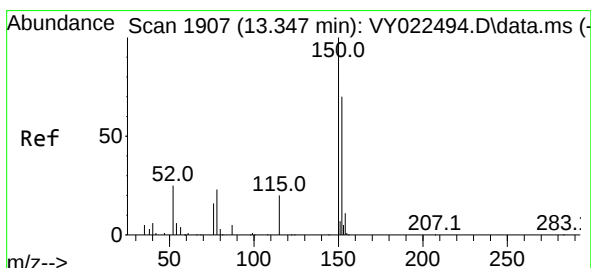
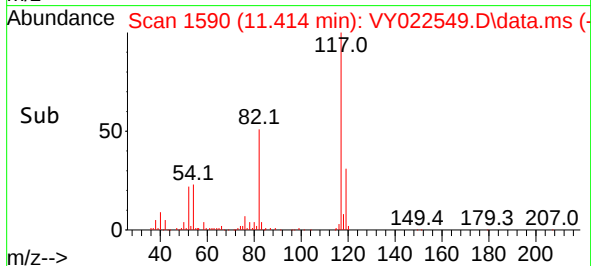
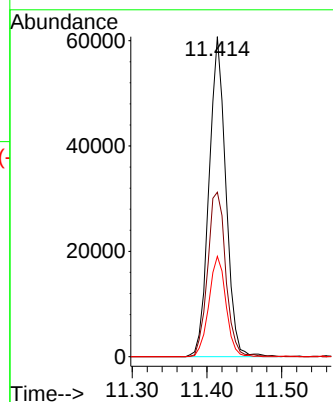
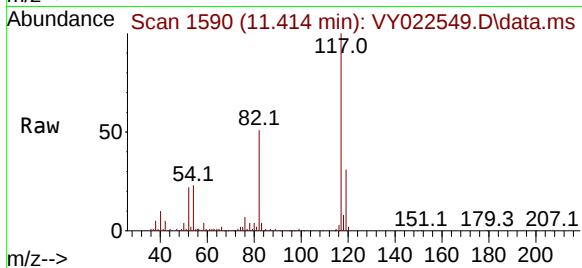
Tgt Ion:117 Resp: 94714

Ion Ratio Lower Upper

117 100

82 51.4 44.6 66.8

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022549.D

Acq: 04 Jun 2025 14:37

Tgt Ion:152 Resp: 31572

Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 160.3 0.0 349.6

