

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022547.D
 Acq On : 04 Jun 2025 13:50
 Operator : SY/MD
 Sample : Q2194-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-12

Quant Time: Jun 05 04:15:15 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	244545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	451237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	140312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145073	53.041	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.080%
35) Dibromofluoromethane	7.634	113	133969	49.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.480%
50) Toluene-d8	10.103	98	543765	49.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.940%
62) 4-Bromofluorobenzene	12.401	95	141891	43.759	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.520%

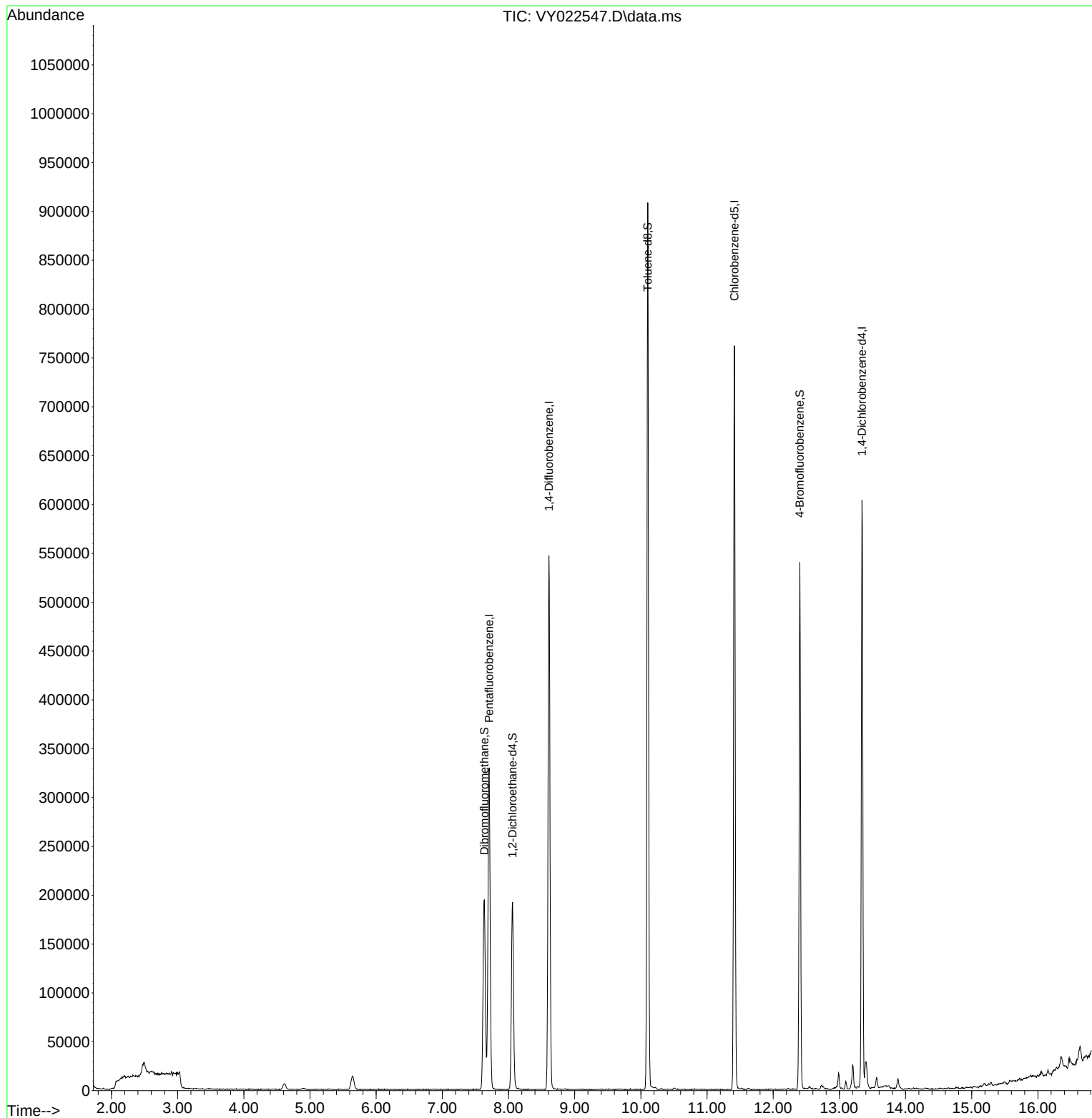
Target Compounds	Qvalue

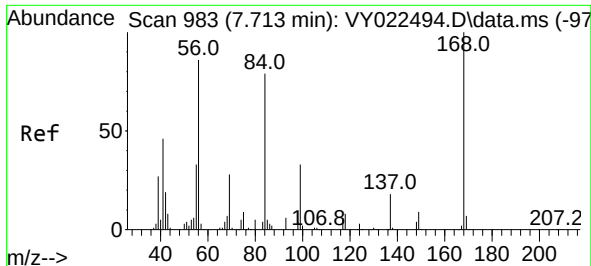
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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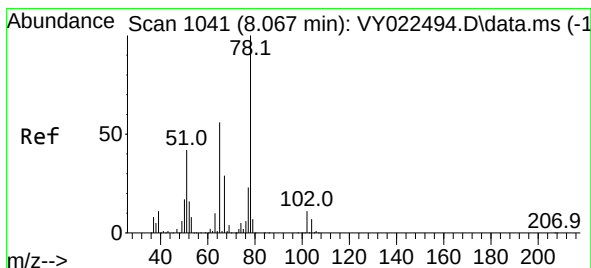
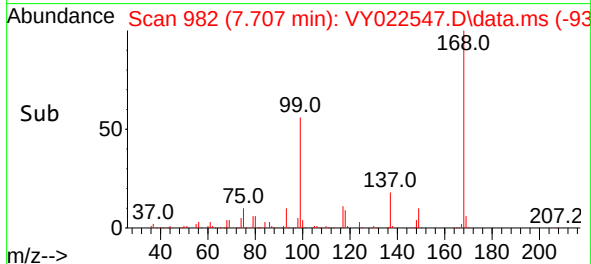
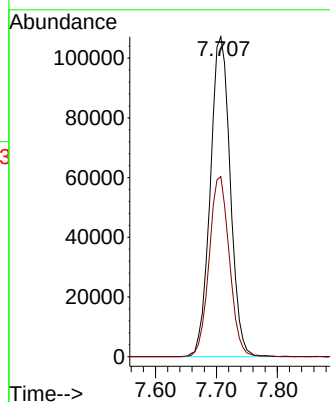
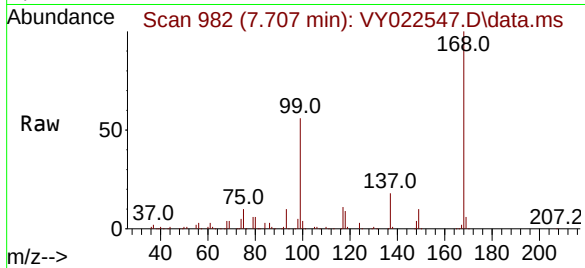




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

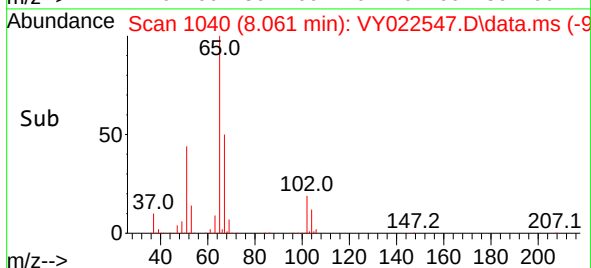
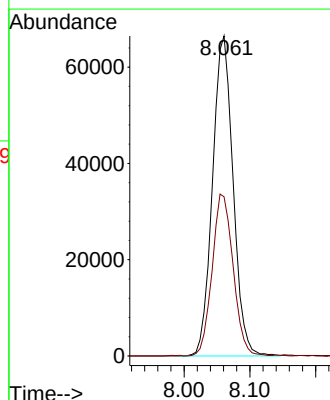
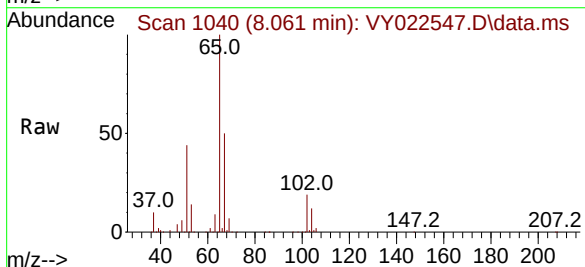
Instrument :
MSVOA_Y
ClientSampleId :
COMP-12

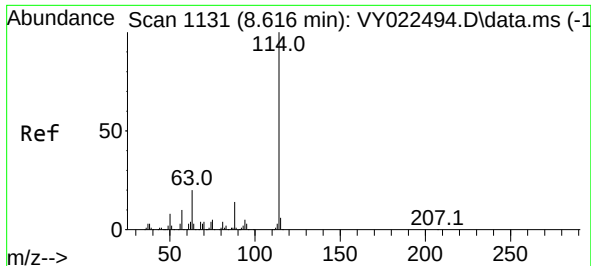
Tgt Ion:168 Resp: 244545
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 53.041 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Tgt Ion: 65 Resp: 145073
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022547.D

Acq: 04 Jun 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

COMP-12

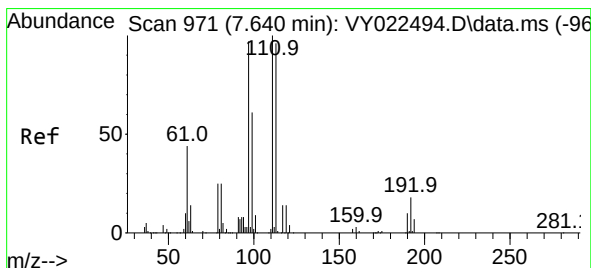
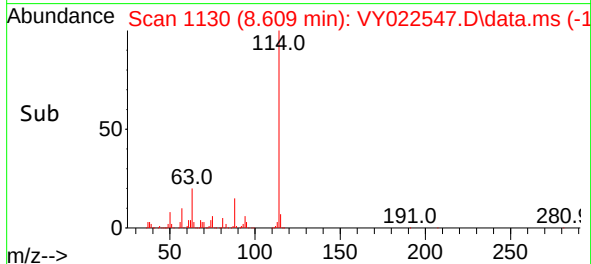
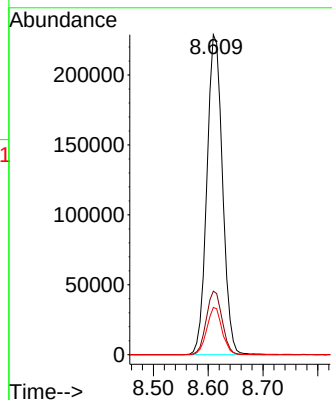
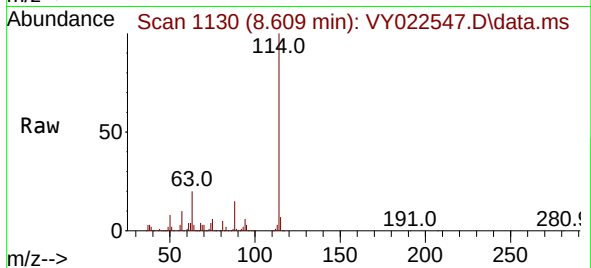
Tgt Ion:114 Resp: 451237

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.741 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022547.D

Acq: 04 Jun 2025 13:50

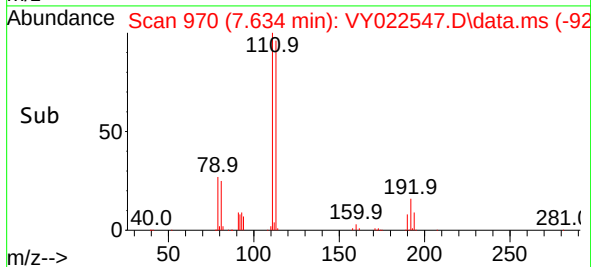
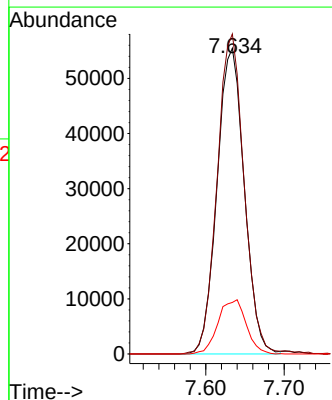
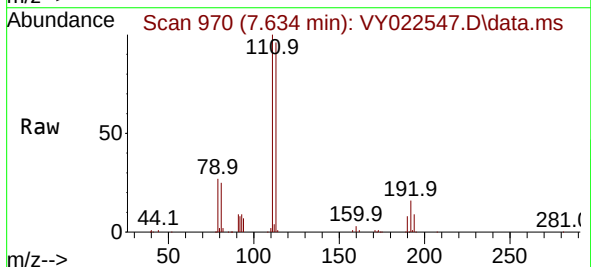
Tgt Ion:113 Resp: 133969

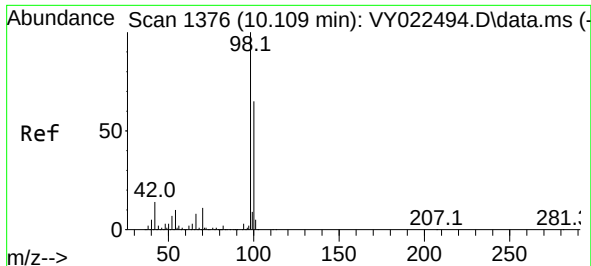
Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

192 18.3 14.2 21.2

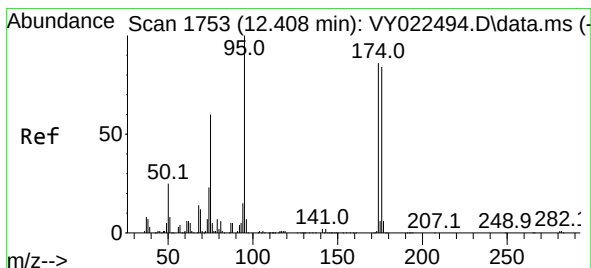
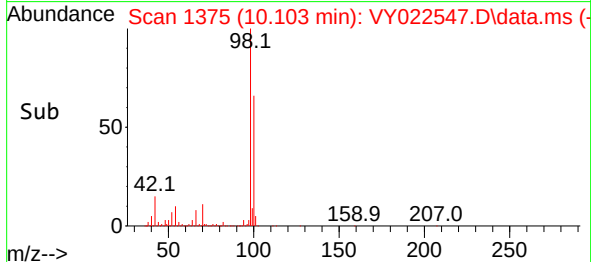
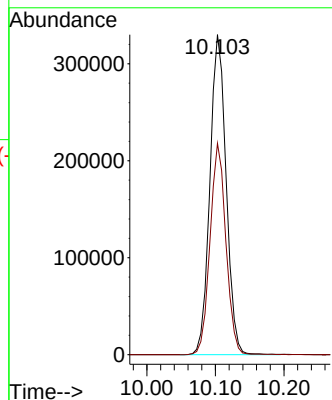
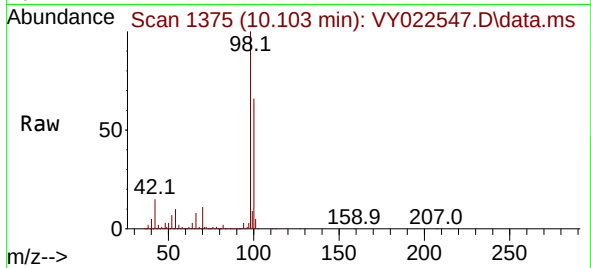




#50
Toluene-d8
Concen: 49.965 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

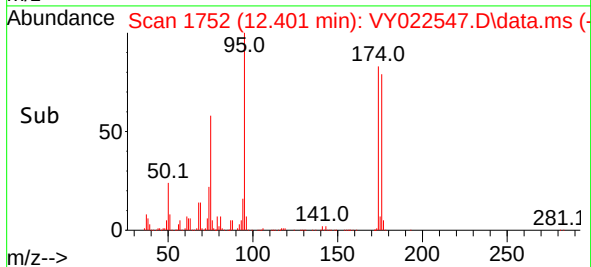
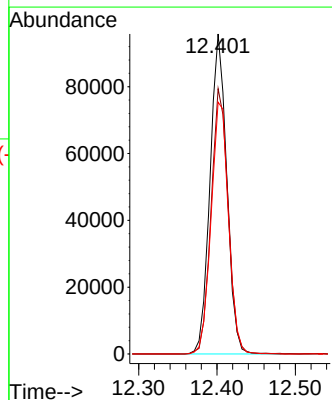
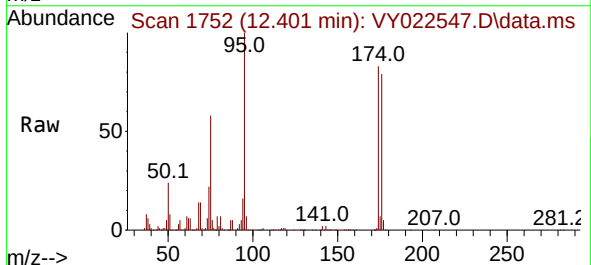
Instrument :
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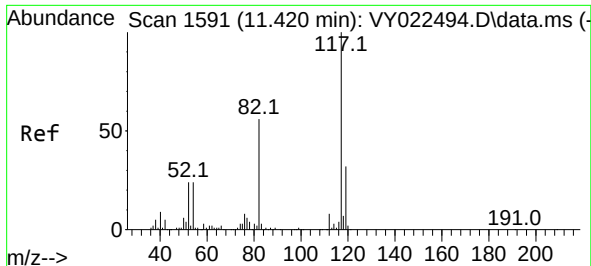
Tgt Ion: 98 Resp: 543765
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.759 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Tgt Ion: 95 Resp: 141891
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 82.0 0.0 166.2

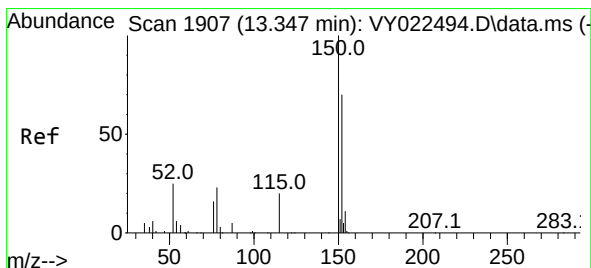
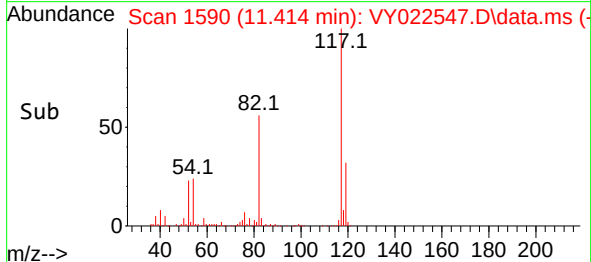
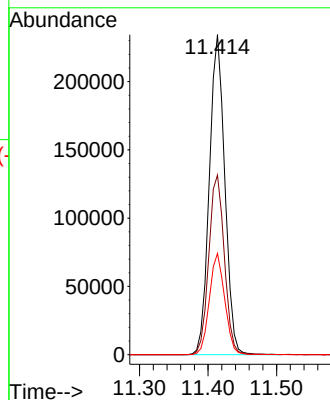
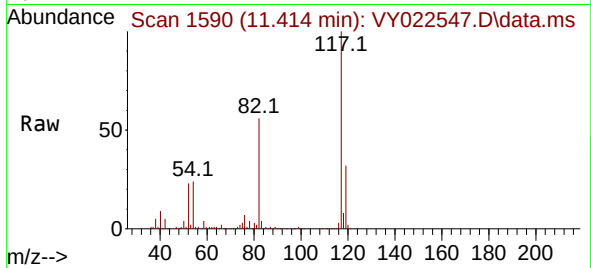




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
COMP-12

Tgt Ion:117 Resp: 367876
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Tgt Ion:152 Resp: 140312
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 157.0 0.0 349.6

