

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022647.D
 Acq On : 10 Jun 2025 13:56
 Operator : SY/MD
 Sample : Q2259-01
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-36-060525

Quant Time: Jun 11 01:51:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	226891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	430118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119411	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124313	48.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.980%
35) Dibromofluoromethane	7.634	113	125182	48.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.520%
50) Toluene-d8	10.109	98	511879	49.345	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.402	95	121940	39.453	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.900%

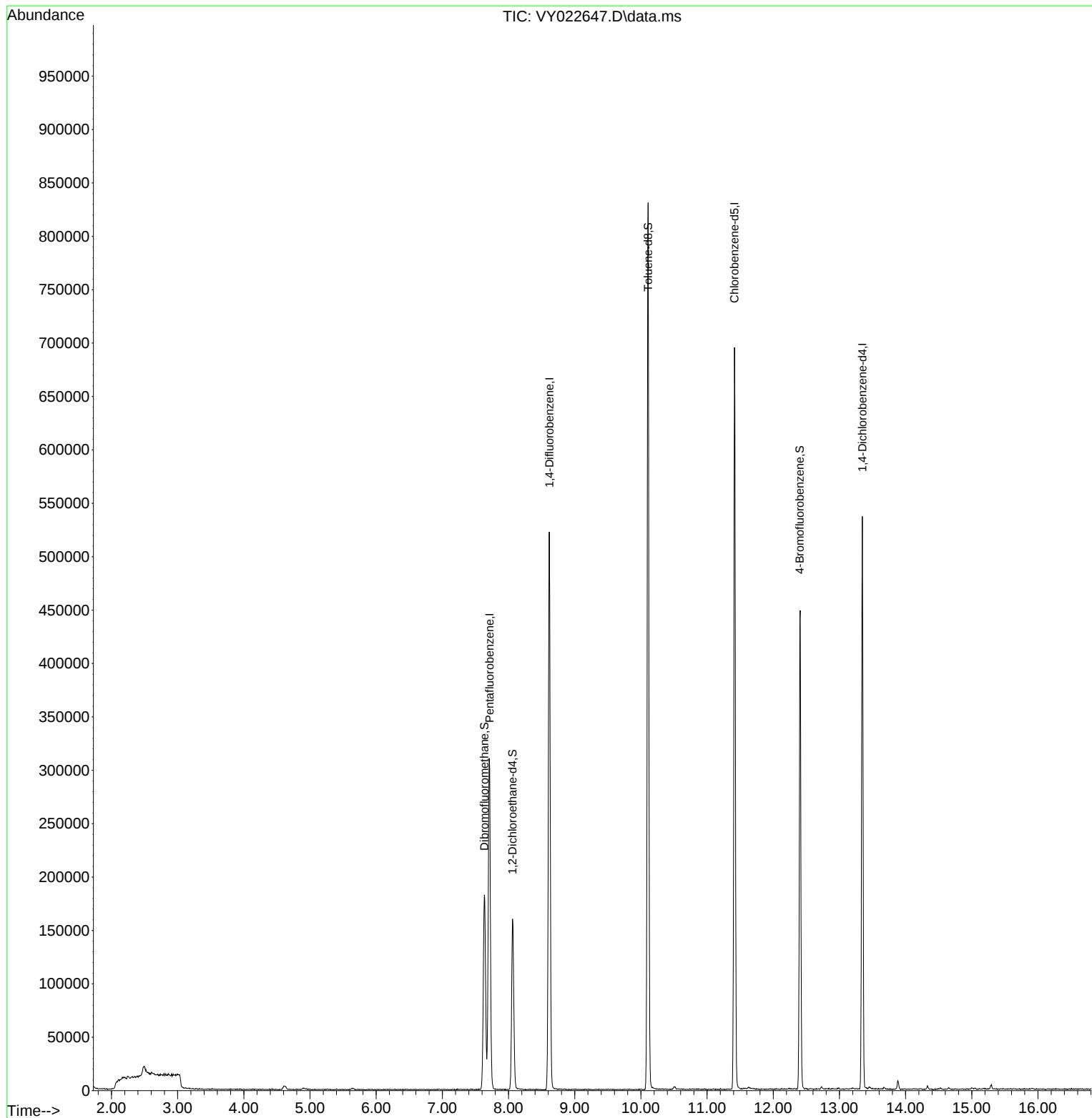
Target Compounds	Qvalue

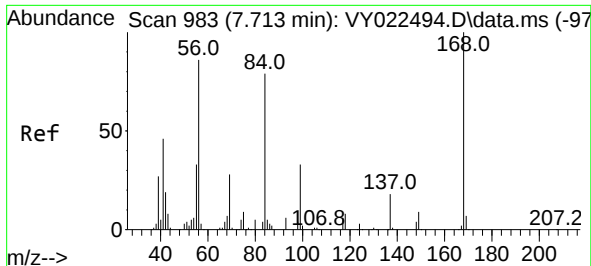
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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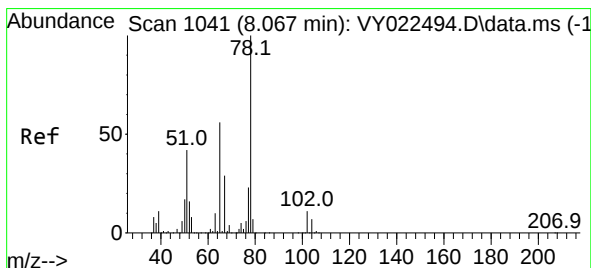
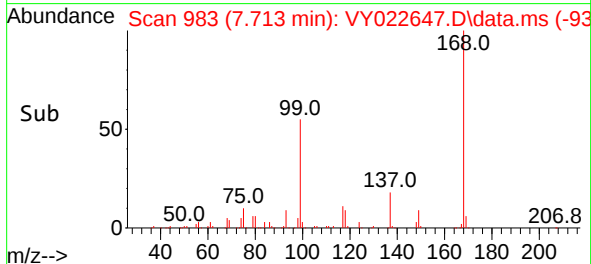
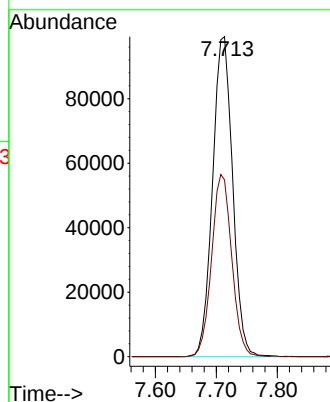
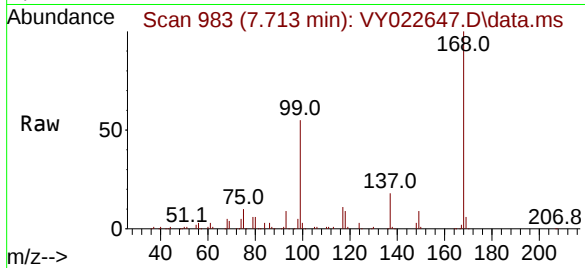




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

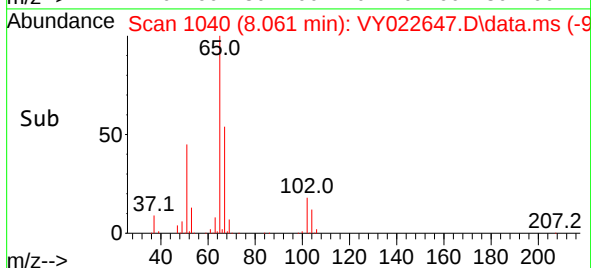
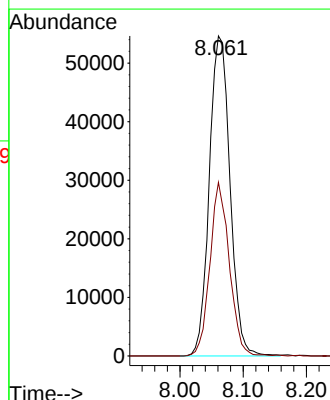
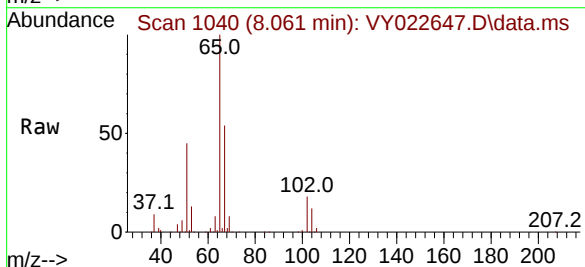
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

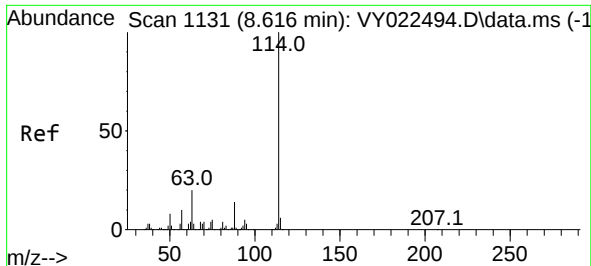
Tgt Ion:168 Resp: 226891
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.987 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion: 65 Resp: 124313
Ion Ratio Lower Upper
65 100
67 50.8 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: VY022647.D

Acq: 10 Jun 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-36-060525

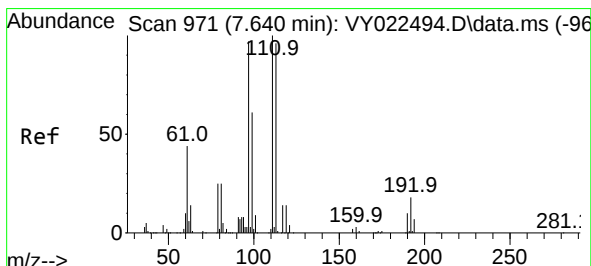
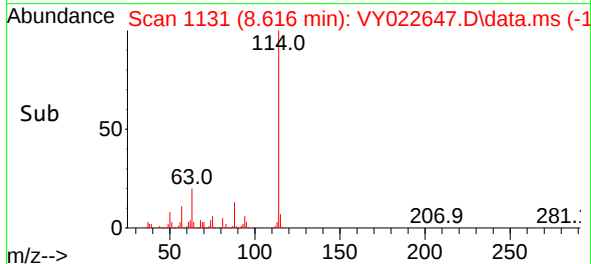
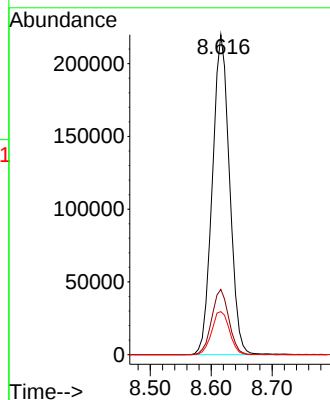
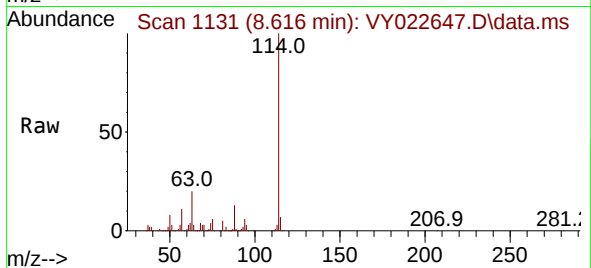
Tgt Ion:114 Resp: 430118

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 13.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 48.760 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022647.D

Acq: 10 Jun 2025 13:56

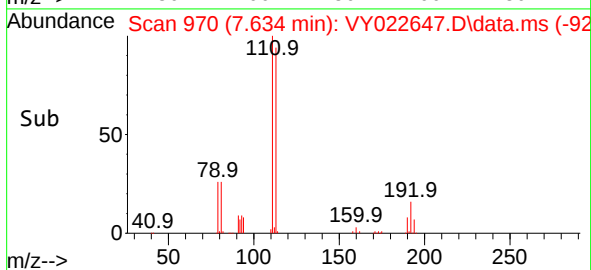
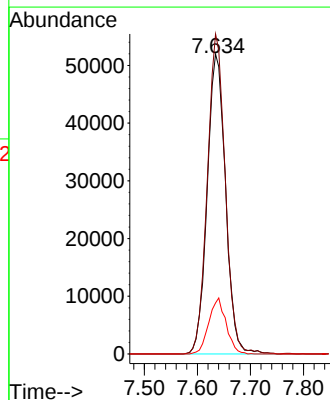
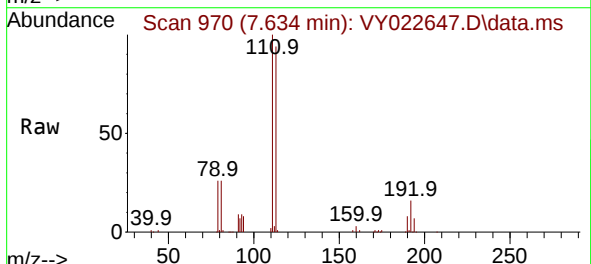
Tgt Ion:113 Resp: 125182

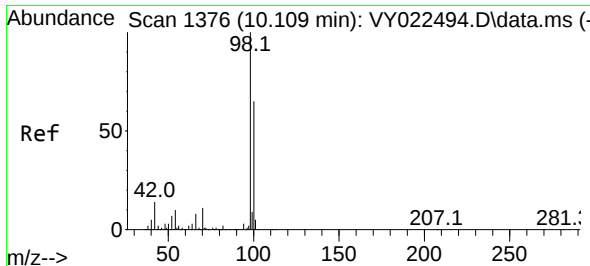
Ion Ratio Lower Upper

113 100

111 104.3 81.1 121.7

192 17.6 14.2 21.2

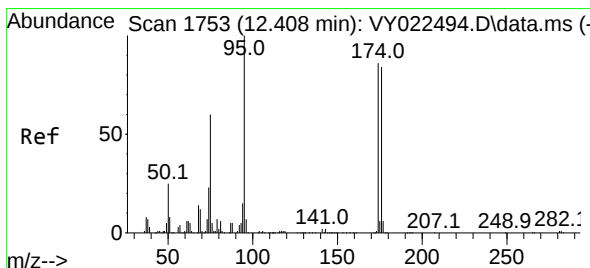
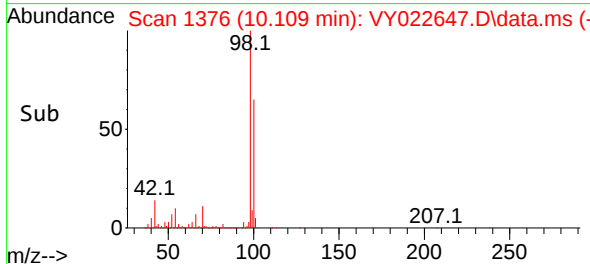
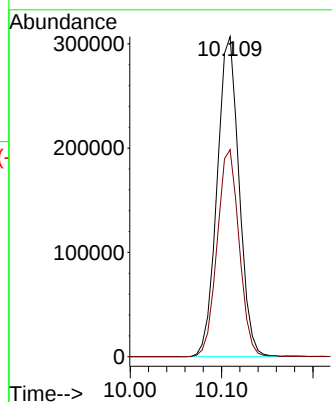
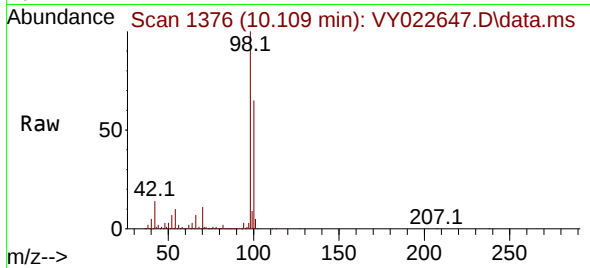




#50
Toluene-d8
Concen: 49.345 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

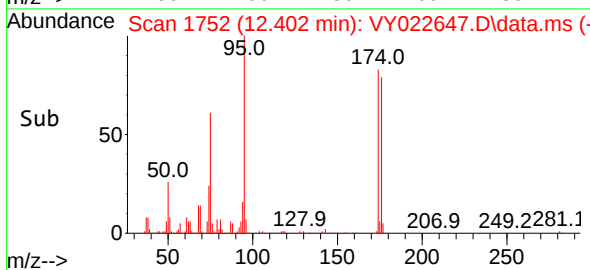
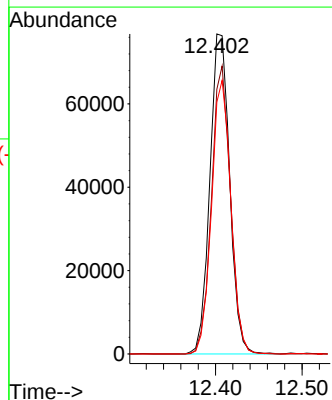
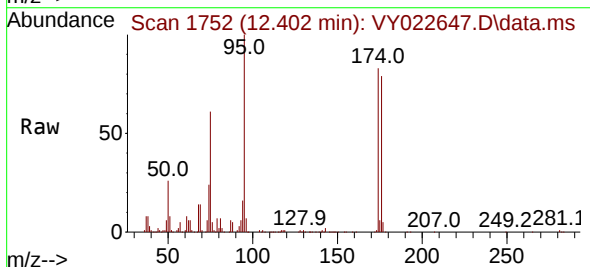
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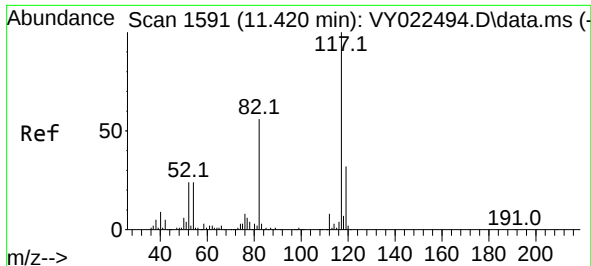
Tgt Ion: 98 Resp: 511879
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.453 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion: 95 Resp: 121940
Ion Ratio Lower Upper
95 100
174 86.5 0.0 170.0
176 83.6 0.0 166.2

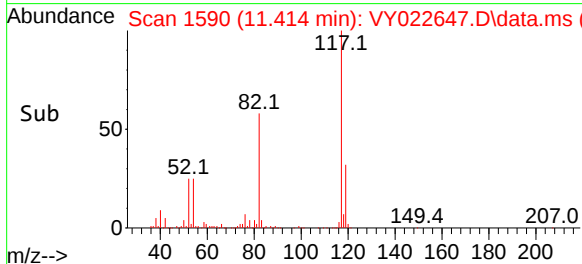
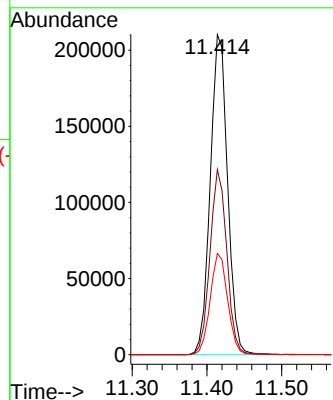
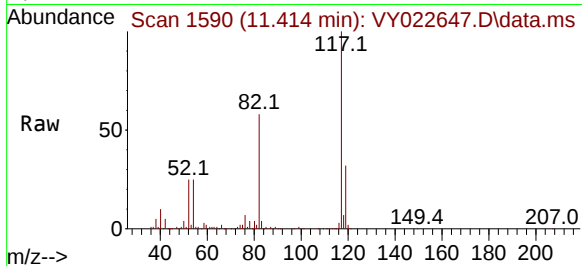




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022647.D
Acq: 10 Jun 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:117 Resp: 337782
Ion Ratio Lower Upper
117 100
82 57.8 44.6 66.8
119 31.6 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: VY022647.D
Acq: 10 Jun 2025 13:56

Tgt Ion:152 Resp: 119411
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 157.6 0.0 349.6

