

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022269.D
 Acq On : 15 May 2025 17:09
 Operator : SY/MD
 Sample : Q1984-11
 Misc : 2.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-26-050725

Quant Time: May 16 01:58:08 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	7.707	168	310652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	533243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	372086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	94725	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152748	44.990	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.980%
35) Dibromofluoromethane	7.634	113	157040	49.342	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.103	98	615965	47.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.500%
62) 4-Bromofluorobenzene	12.402	95	125945	30.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.960%

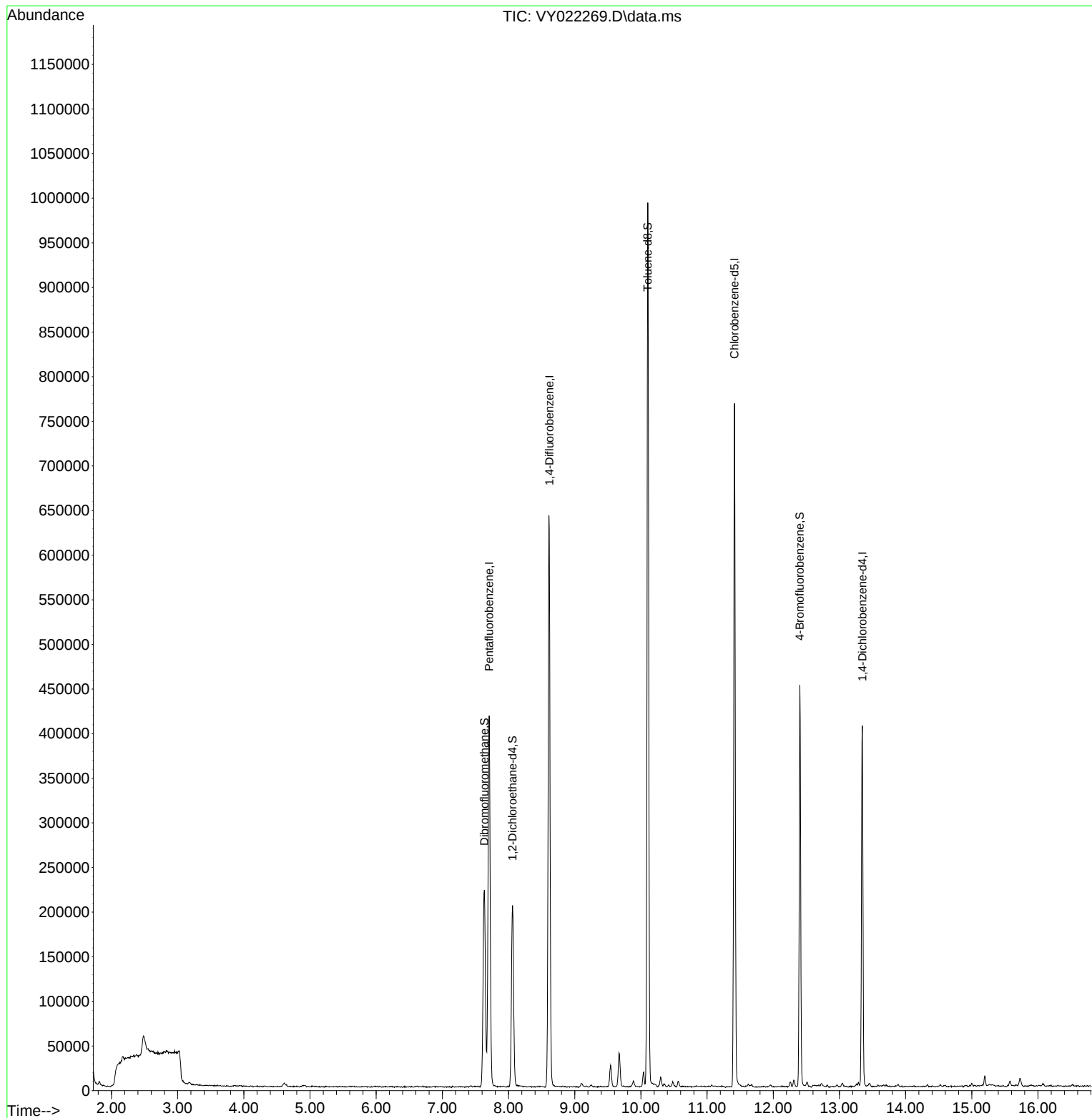
Target Compounds	Qvalue

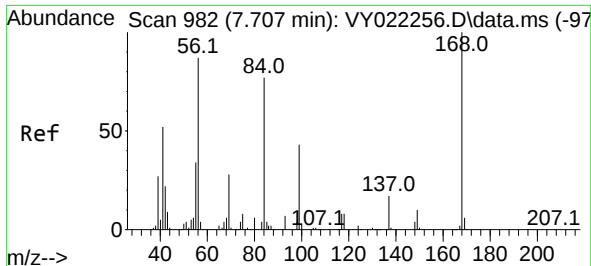
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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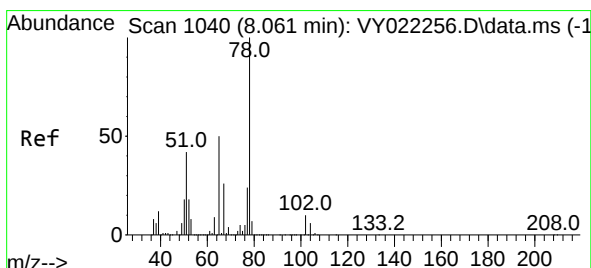
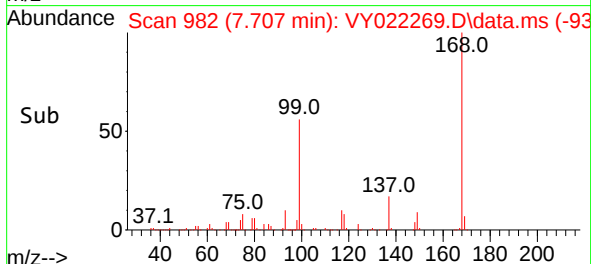
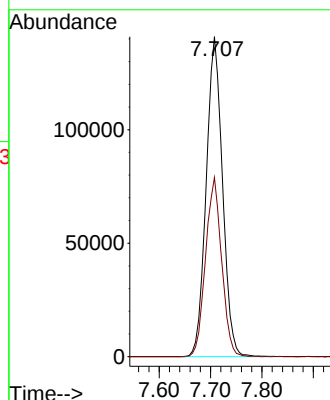
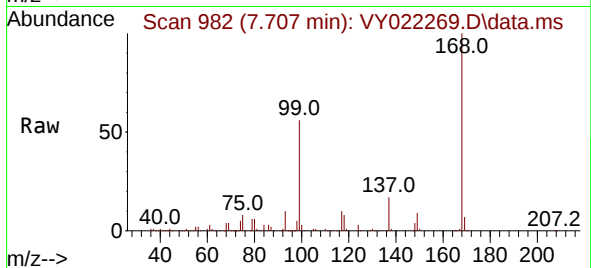




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

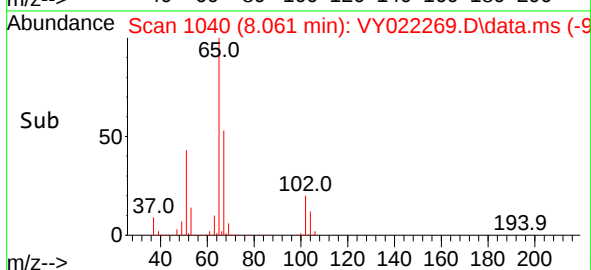
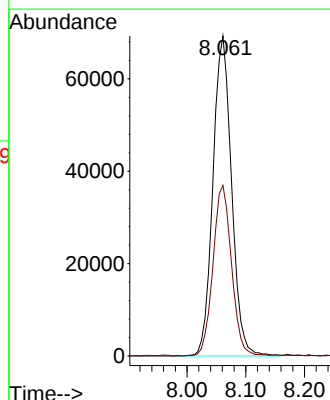
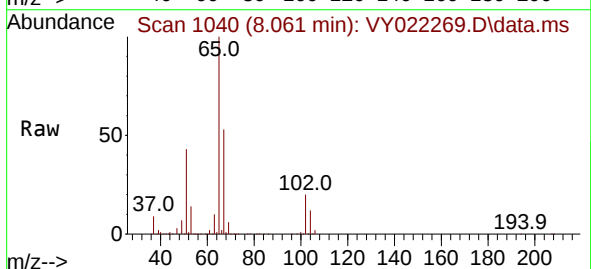
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

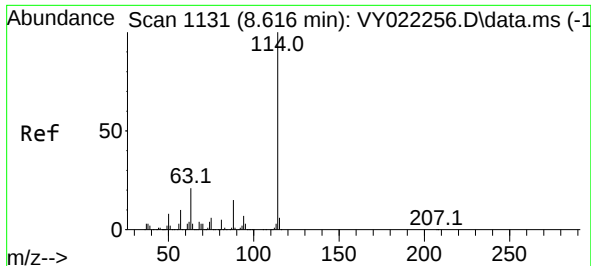
Tgt Ion:168 Resp: 310652
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 44.990 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion: 65 Resp: 152748
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.6

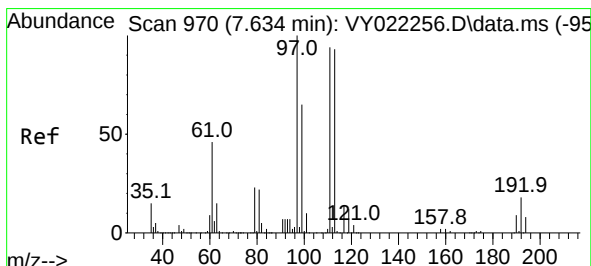
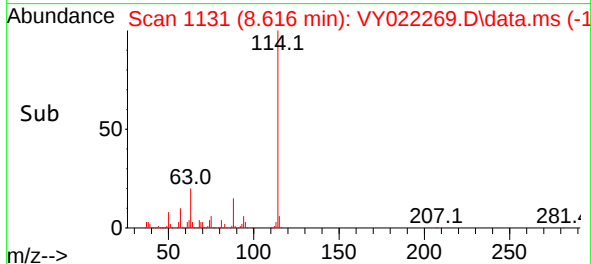
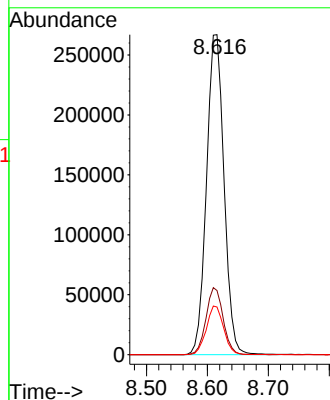
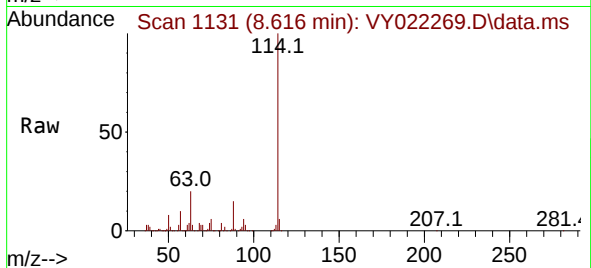




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

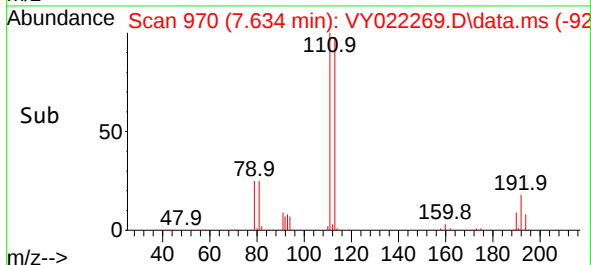
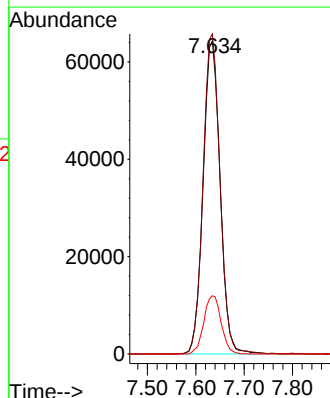
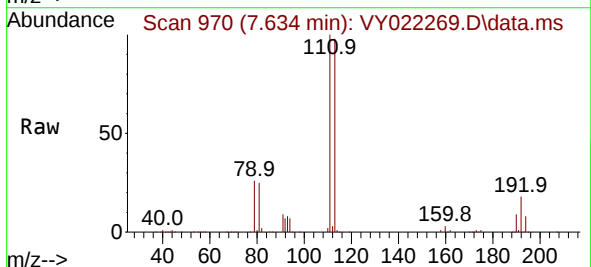
Instrument :
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ClientSampleId :
OU4-TS-26-050725

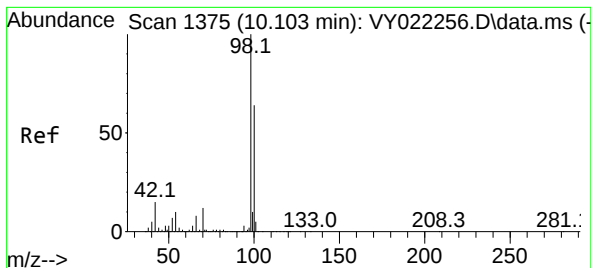
Tgt Ion:114 Resp: 533243
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.0
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.342 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion:113 Resp: 157040
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 18.9 15.2 22.8





#50

Toluene-d8

Concen: 47.255 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022269.D

Acq: 15 May 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :

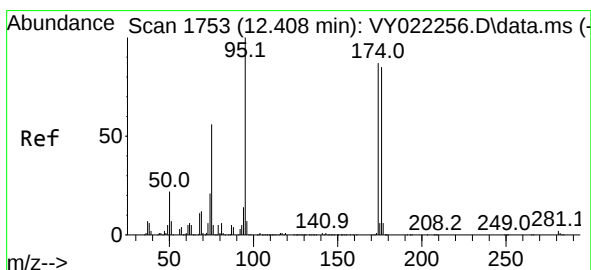
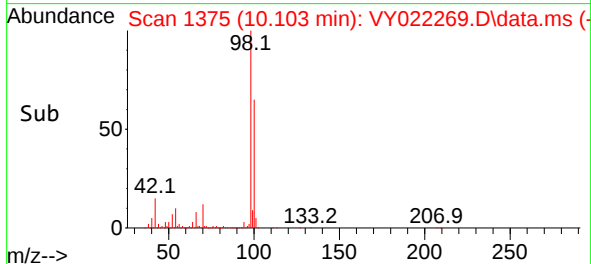
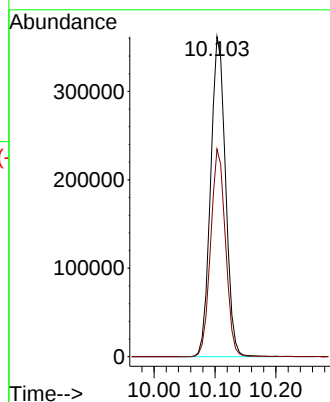
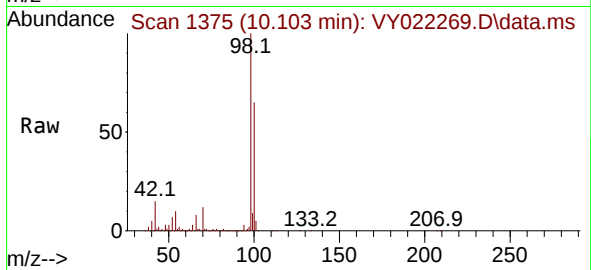
OU4-TS-26-050725

Tgt Ion: 98 Resp: 615965

Ion Ratio Lower Upper

98 100

100 64.4 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 30.483 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022269.D

Acq: 15 May 2025 17:09

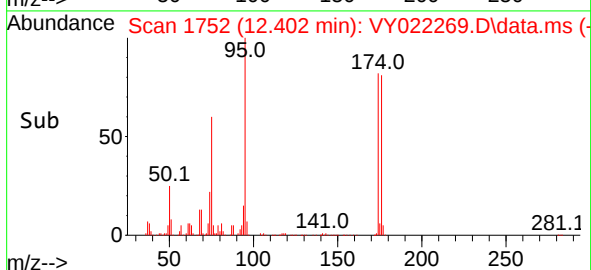
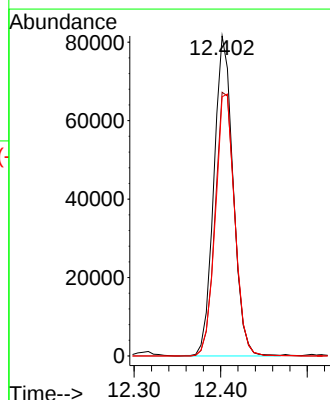
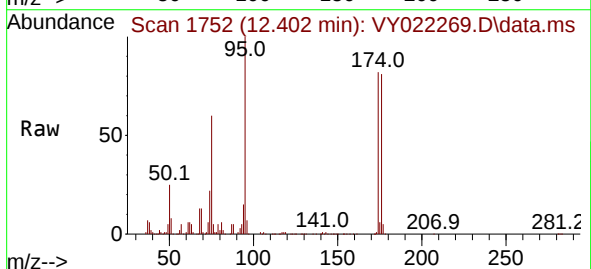
Tgt Ion: 95 Resp: 125945

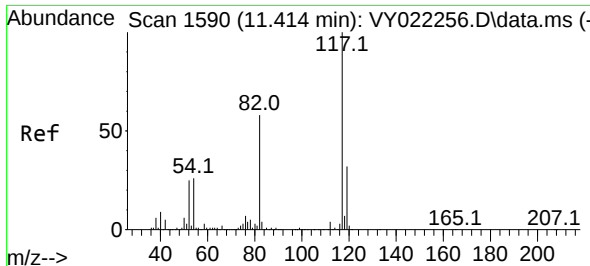
Ion Ratio Lower Upper

95 100

174 83.4 0.0 166.8

176 82.3 0.0 160.8

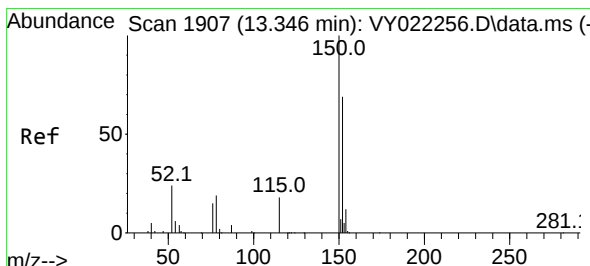
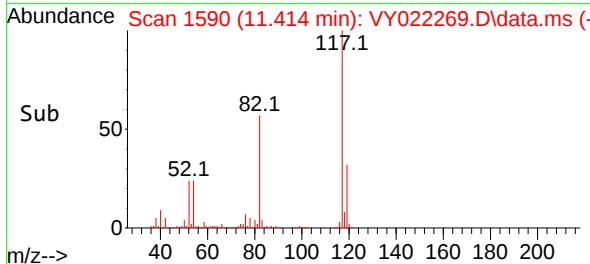
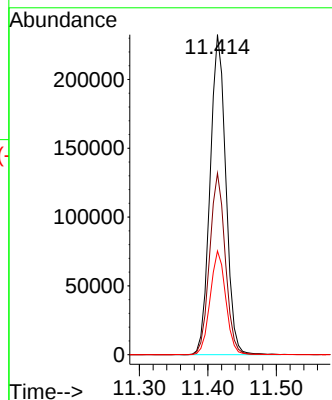
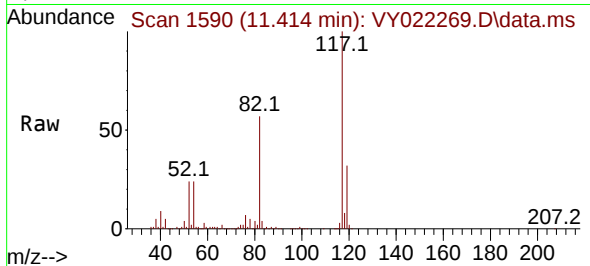




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion:117 Resp: 372086
Ion Ratio Lower Upper
117 100
82 56.7 46.6 70.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022269.D
Acq: 15 May 2025 17:09

Tgt Ion:152 Resp: 94725
Ion Ratio Lower Upper
152 100
115 58.3 29.4 88.2
150 158.0 0.0 353.8

