

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023284.D
 Acq On : 04 Sep 2025 13:09
 Operator : SY/MD
 Sample : Q3012-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Sep 05 04:25:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	342442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	619490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	569990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226771	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193473	59.280	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.560%
35) Dibromofluoromethane	7.634	113	214903	57.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.940%
50) Toluene-d8	10.109	98	739733	51.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.407	95	214766	46.116	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.240%

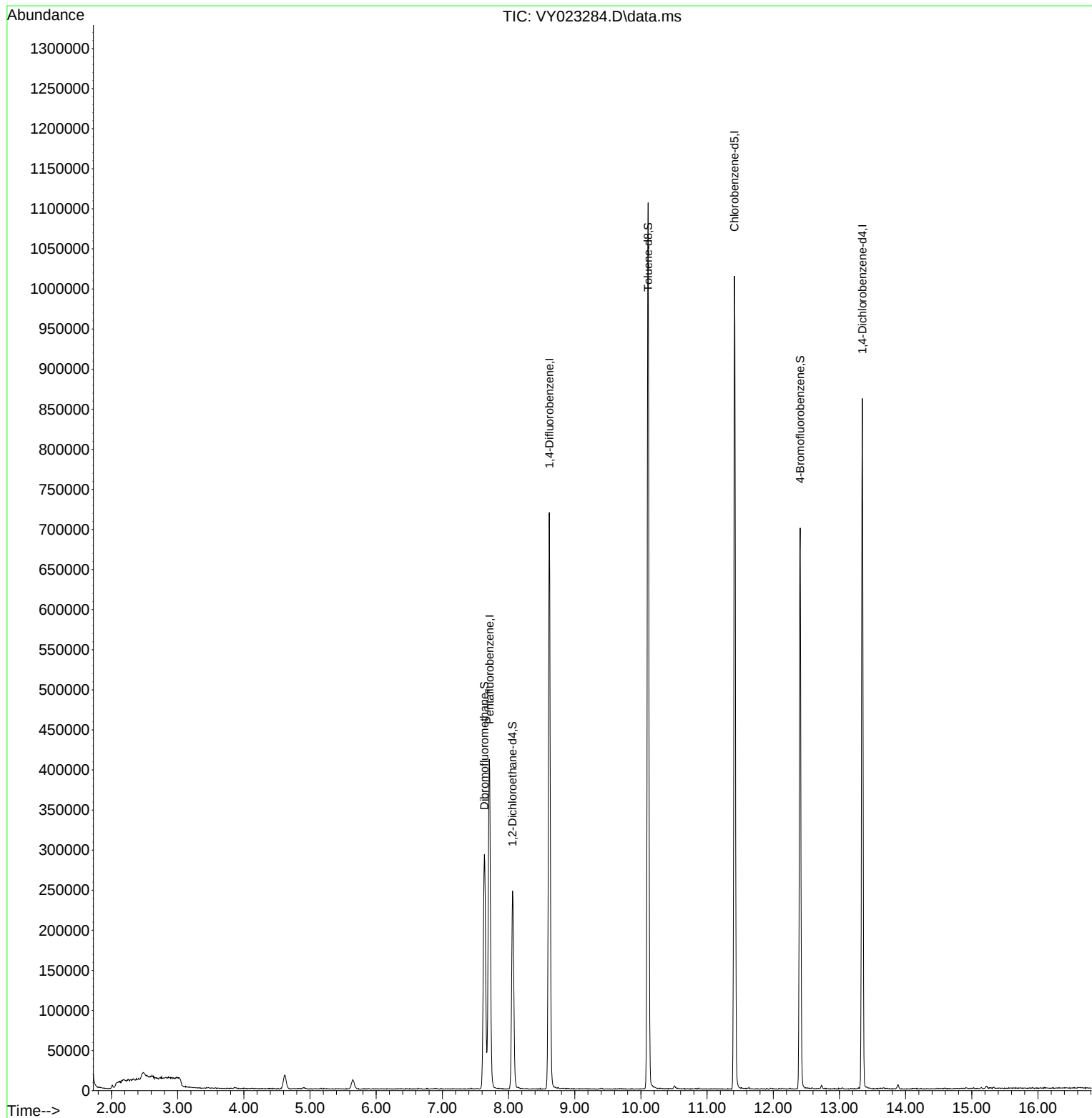
Target Compounds	Qvalue

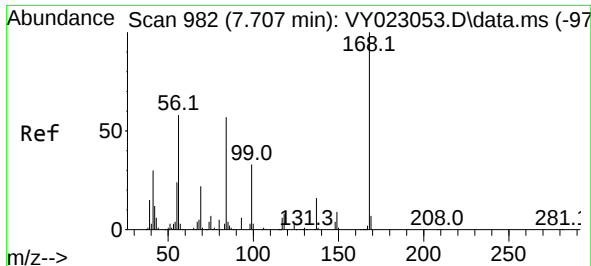
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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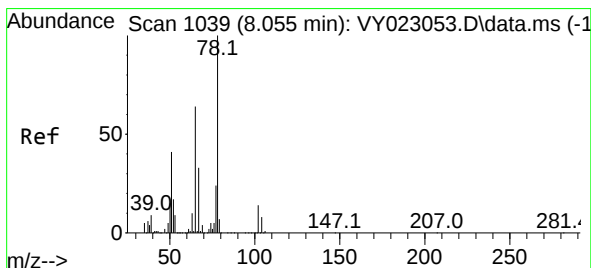
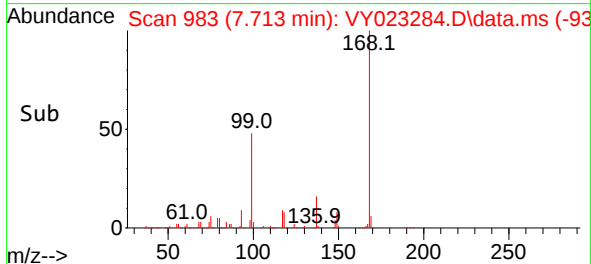
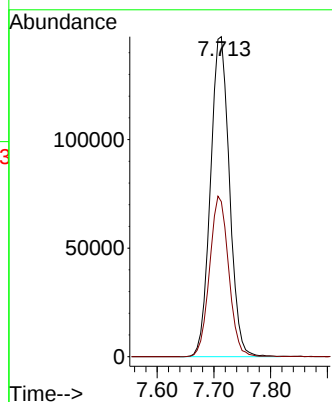
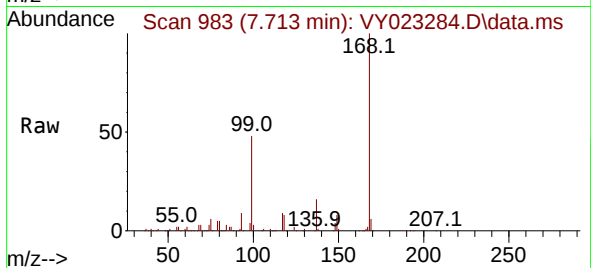




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

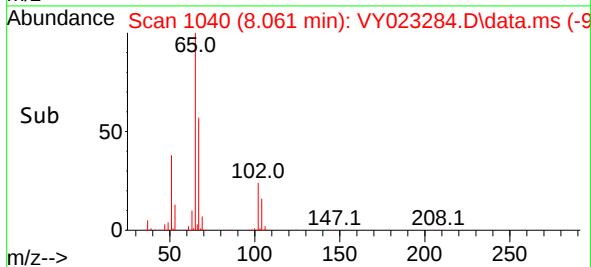
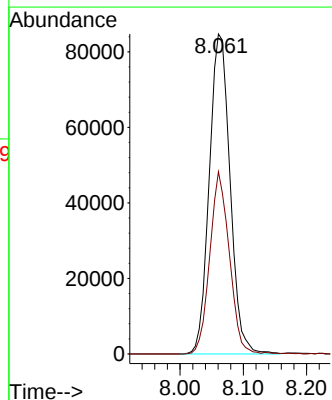
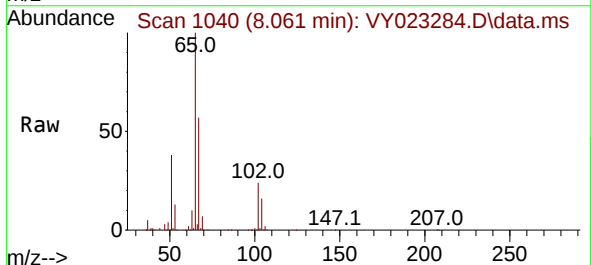
Instrument :
MSVOA_Y
ClientSampleId :
VOC

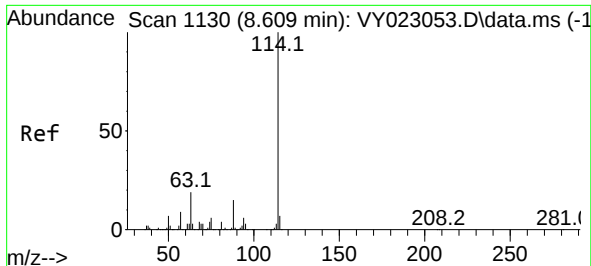
Tgt Ion:168 Resp: 342442
Ion Ratio Lower Upper
168 100
99 48.5 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.280 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 65 Resp: 193473
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

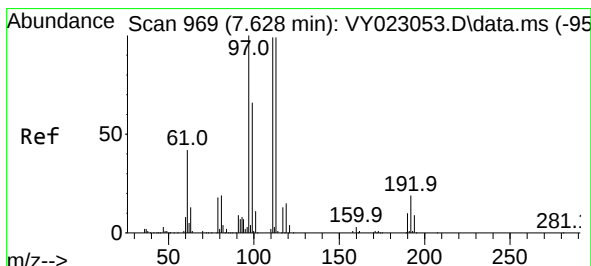
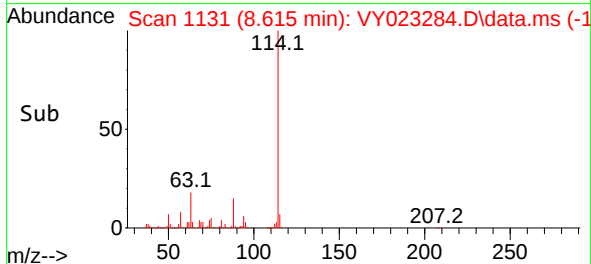
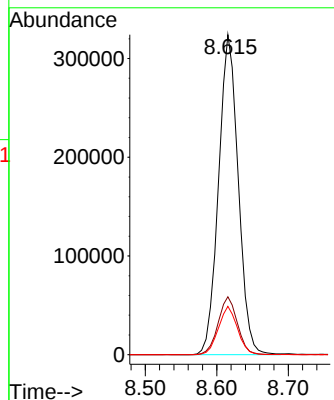
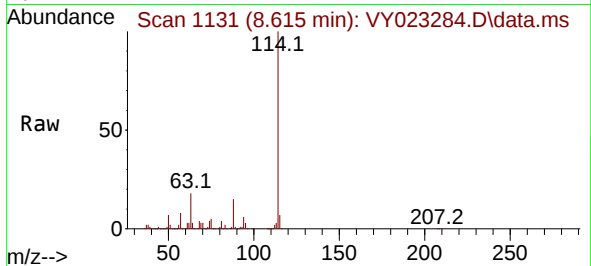




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

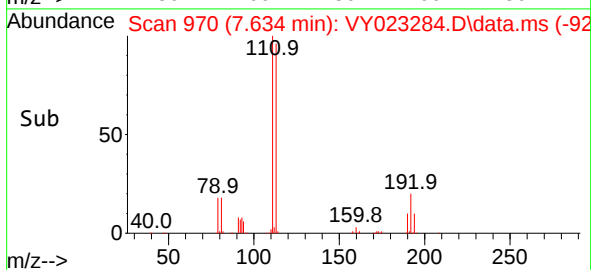
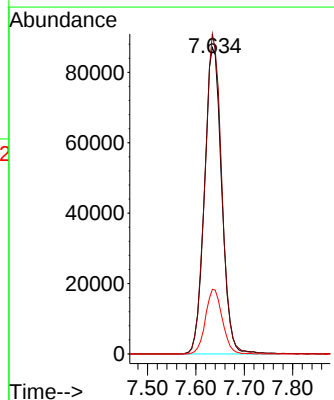
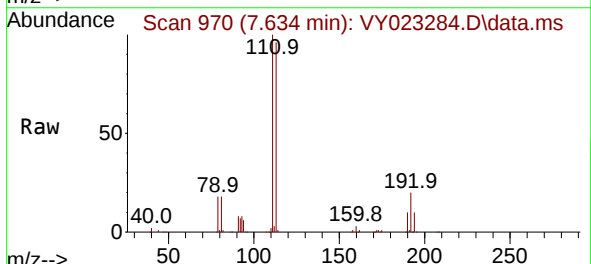
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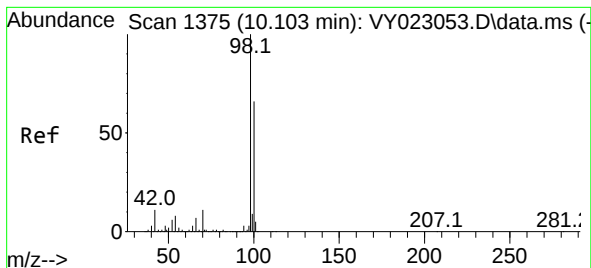
Tgt Ion:114 Resp: 619490
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 57.975 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion:113 Resp: 214903
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 20.7 16.2 24.4

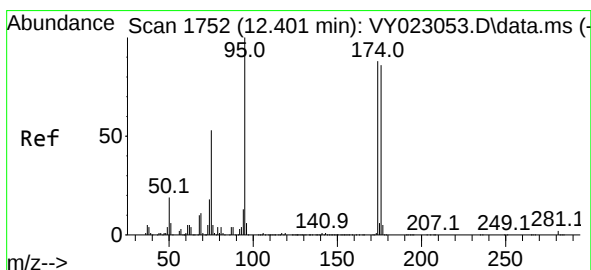
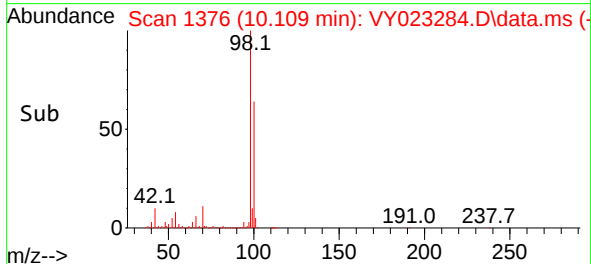
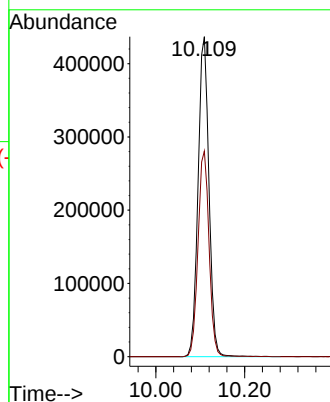
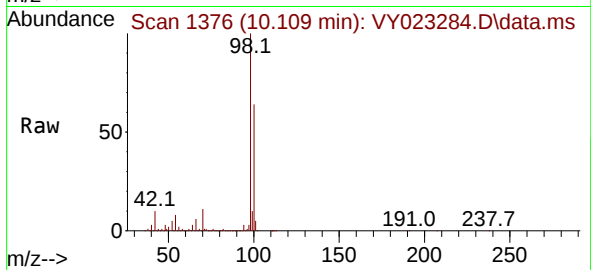




#50
Toluene-d8
Concen: 51.083 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

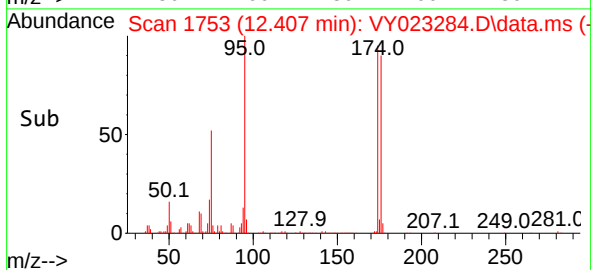
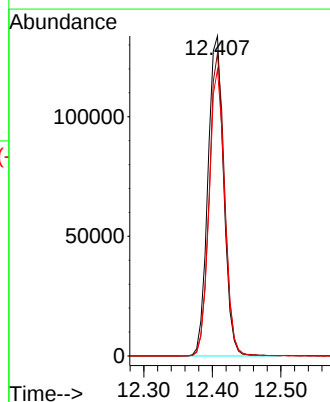
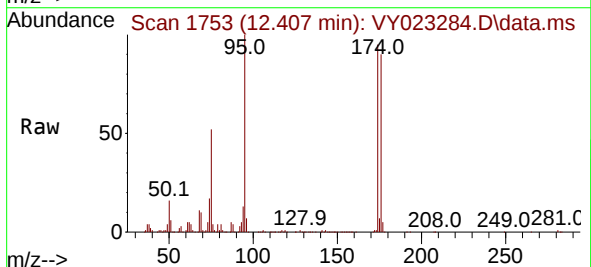
Instrument :
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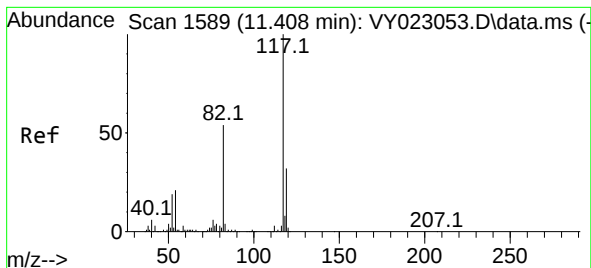
Tgt Ion: 98 Resp: 739733
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.116 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 95 Resp: 214766
Ion Ratio Lower Upper
95 100
174 92.8 0.0 171.6
176 88.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023284.D

Acq: 04 Sep 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VOC

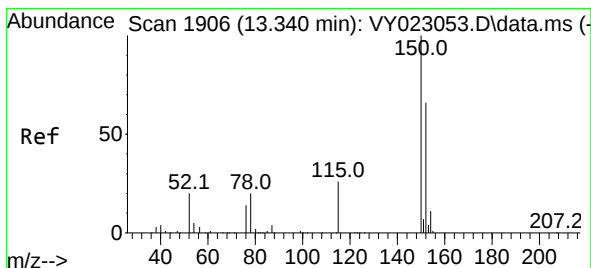
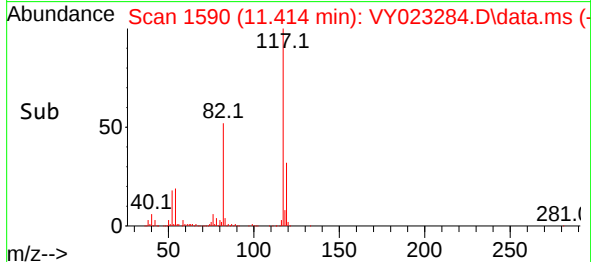
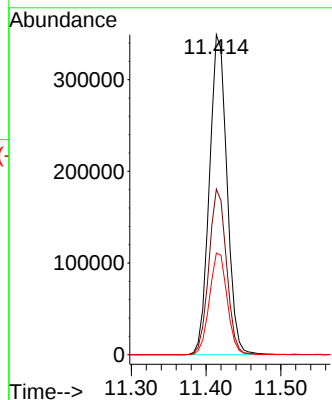
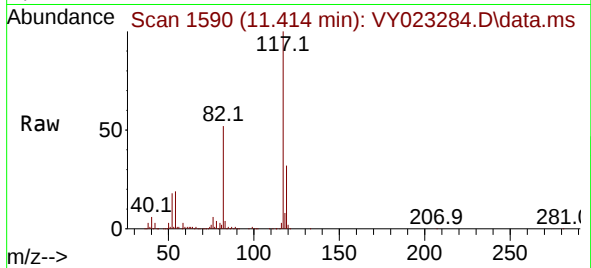
Tgt Ion:117 Resp: 569990

Ion Ratio Lower Upper

117 100

82 51.8 43.4 65.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023284.D

Acq: 04 Sep 2025 13:09

Tgt Ion:152 Resp: 226771

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 156.6 0.0 348.0

