

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023144.D
 Acq On : 19 Aug 2025 12:31
 Operator : SY/MD
 Sample : Q2819-20
 Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 82H-E

Quant Time: Aug 20 01:28:03 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	7.707	168	627655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1149795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	978415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	336379	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	327124	54.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.360%
35) Dibromofluoromethane	7.634	113	362558	52.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.400%
50) Toluene-d8	10.103	98	1358340	50.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.080%
62) 4-Bromofluorobenzene	12.402	95	374379	43.312	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.620%

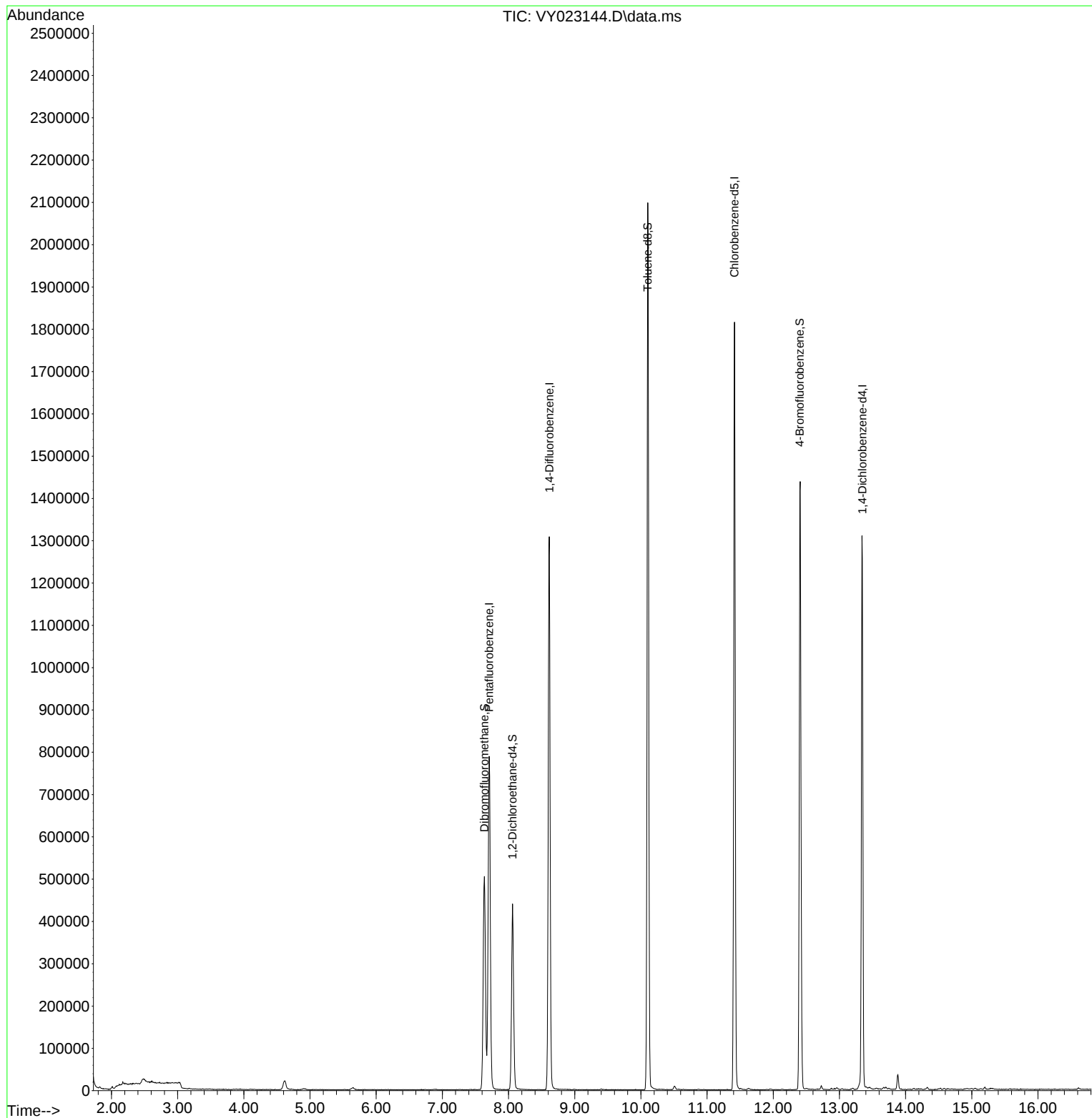
Target Compounds	Qvalue

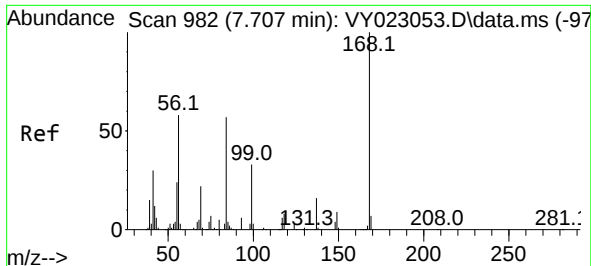
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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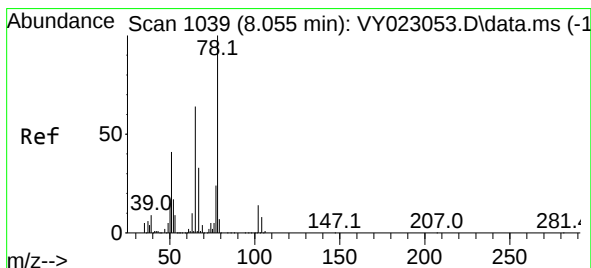
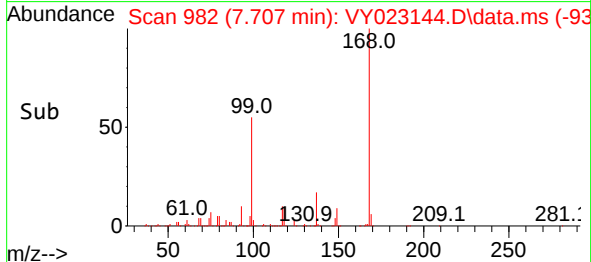
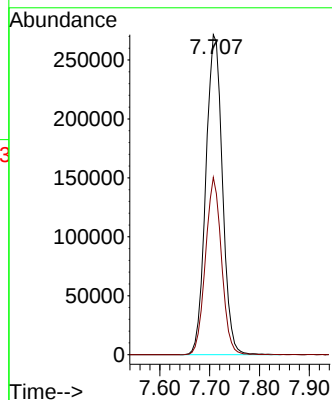
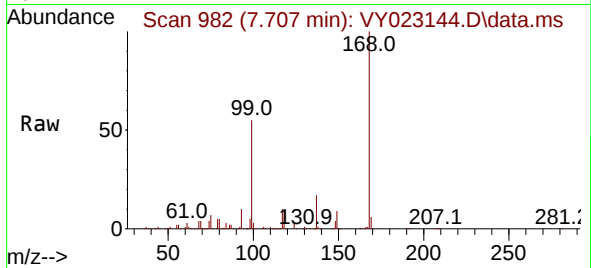




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

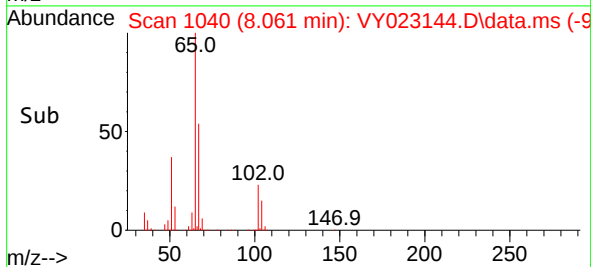
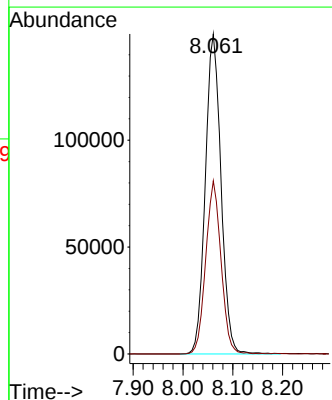
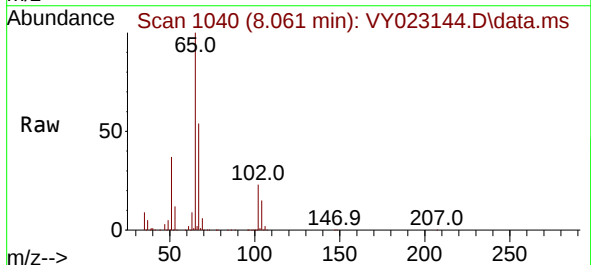
Instrument :
MSVOA_Y
ClientSampleId :
82H-E

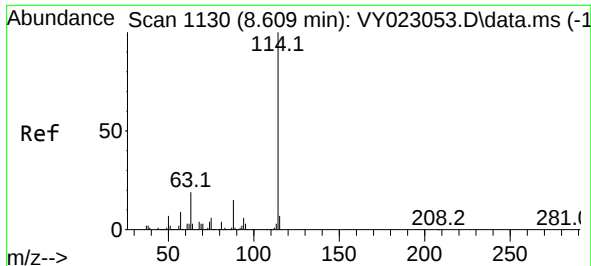
Tgt Ion:168 Resp: 627655
Ion Ratio Lower Upper
168 100
99 55.4 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 54.685 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion: 65 Resp: 327124
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

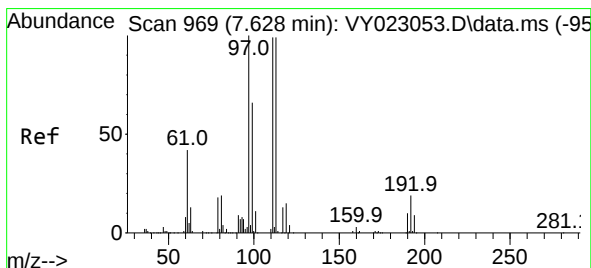
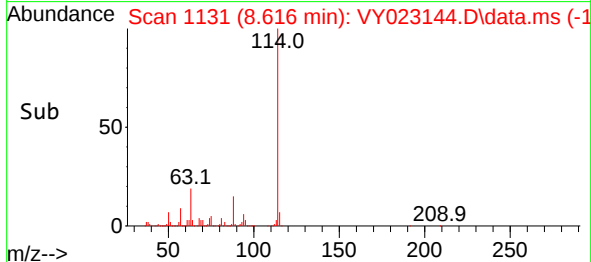
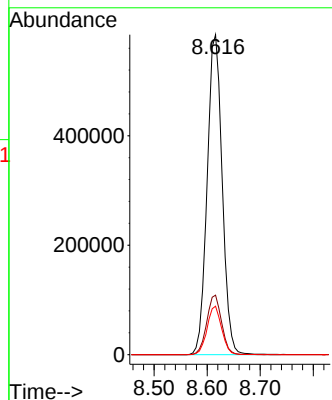
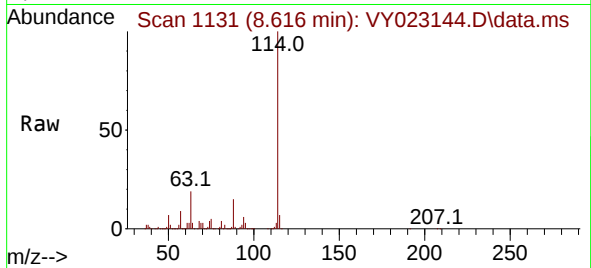




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

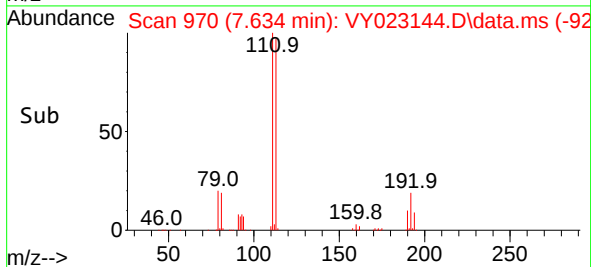
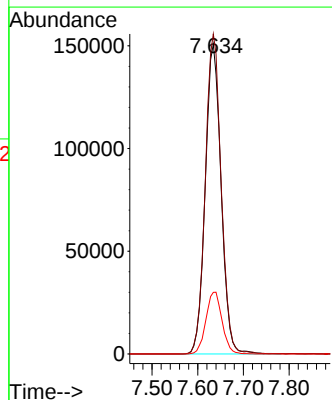
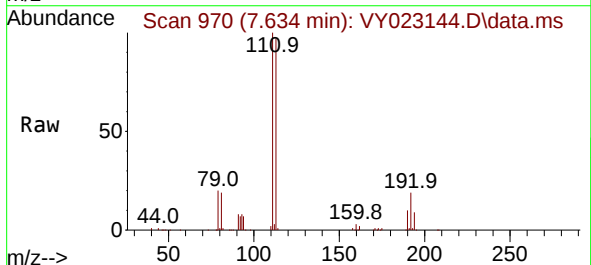
Instrument :
MSVOA_Y
ClientSampleId :
82H-E

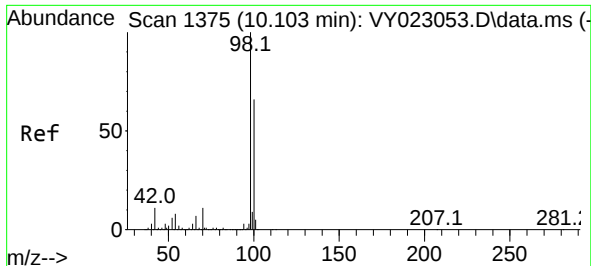
Tgt Ion:114 Resp: 1149795
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 15.2 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.697 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion:113 Resp: 362558
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 20.4 16.2 24.4

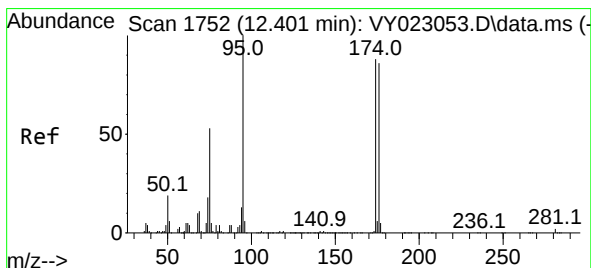
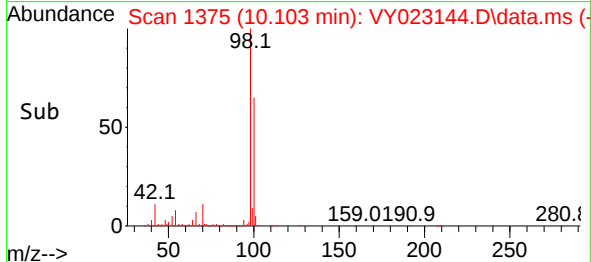
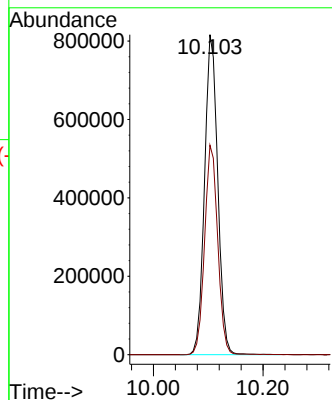
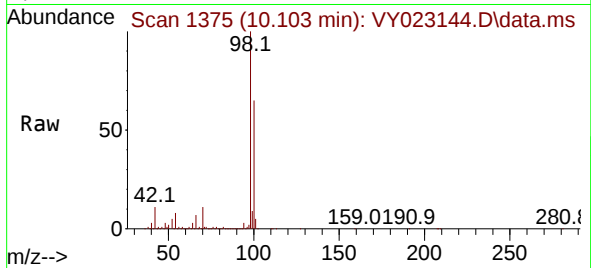




#50
Toluene-d8
Concen: 50.538 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

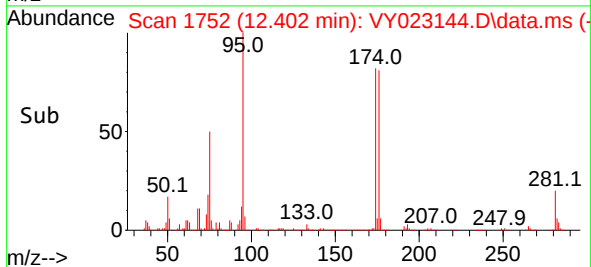
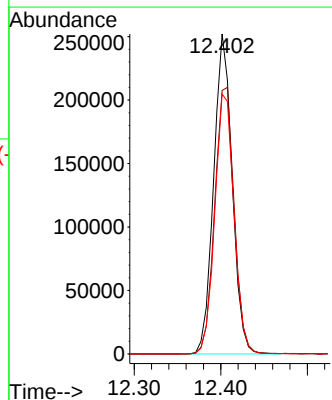
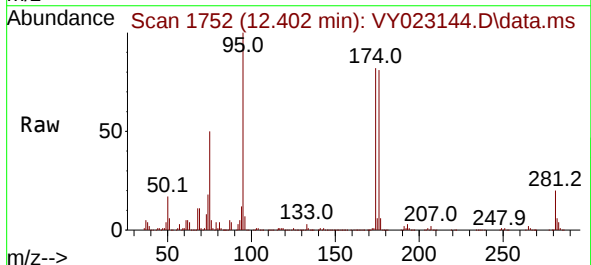
Instrument :
MSVOA_Y
ClientSampleId :
82H-E

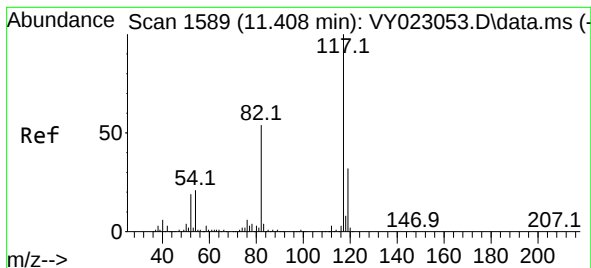
Tgt Ion: 98 Resp: 1358340
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.312 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion: 95 Resp: 374379
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 84.5 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: VY023144.D

Acq: 19 Aug 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

82H-E

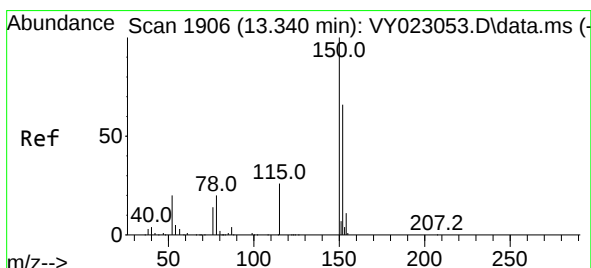
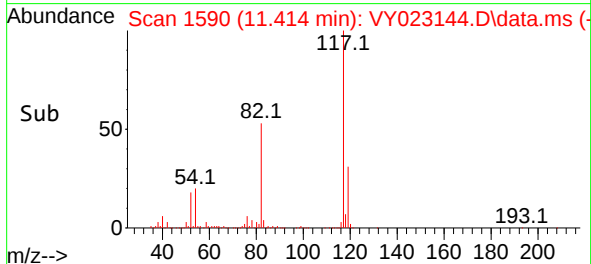
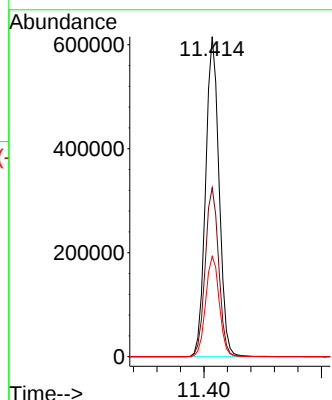
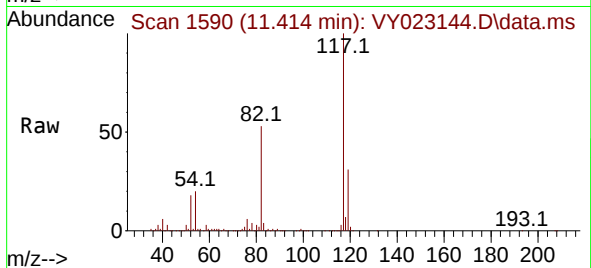
Tgt Ion:117 Resp: 978415

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023144.D

Acq: 19 Aug 2025 12:31

Tgt Ion:152 Resp: 336379

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 157.1 0.0 348.0

