

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023141.D
 Acq On : 19 Aug 2025 11:20
 Operator : SY/MD
 Sample : Q2820-01
 Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 82H-S

Quant Time: Aug 20 01:26:48 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	632898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1176361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	988287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	333936	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	314601	52.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.320%
35) Dibromofluoromethane	7.634	113	359894	51.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.260%
50) Toluene-d8	10.103	98	1395208	50.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.402	95	372975	42.175	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.360%

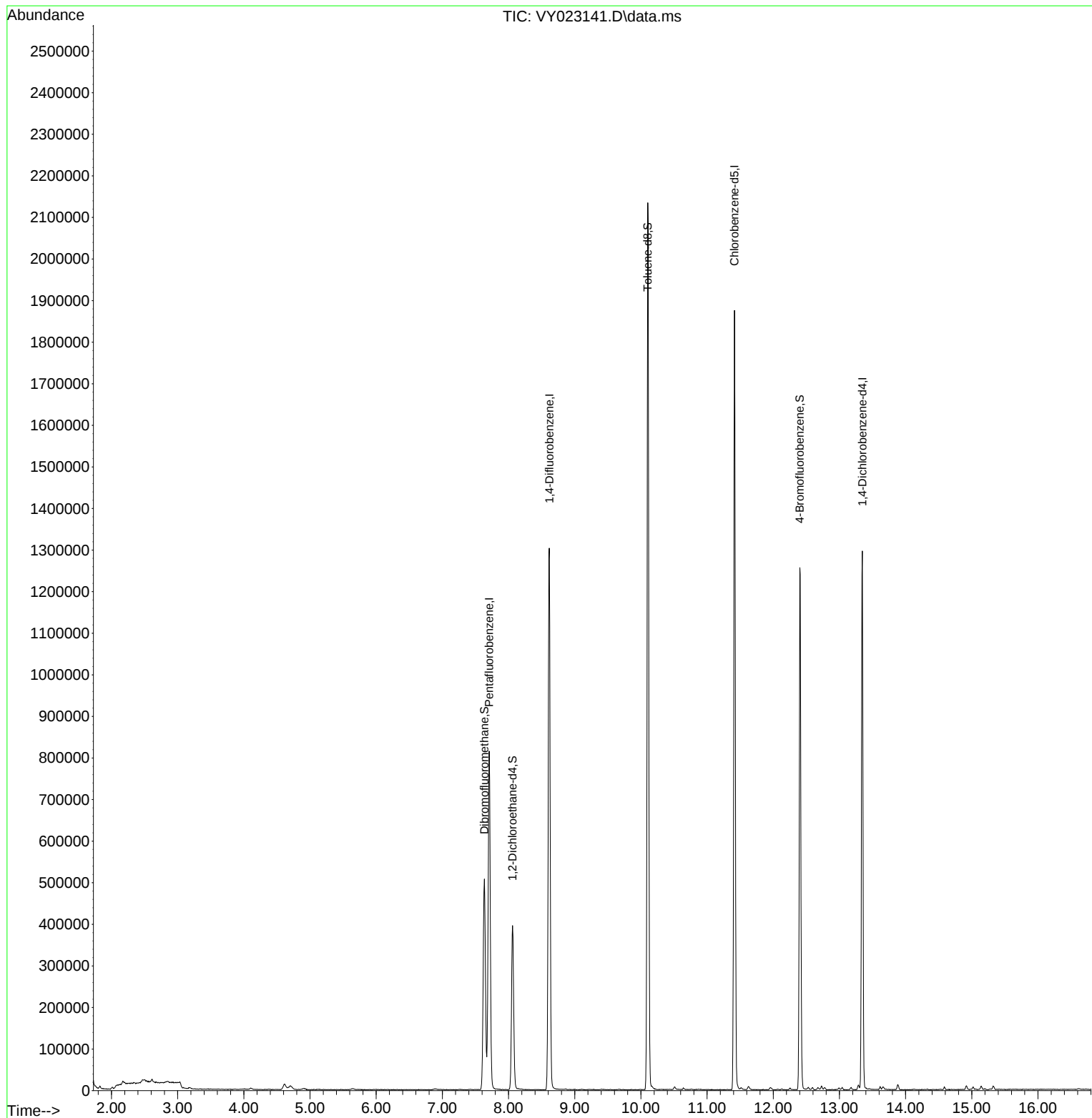
Target Compounds	Qvalue

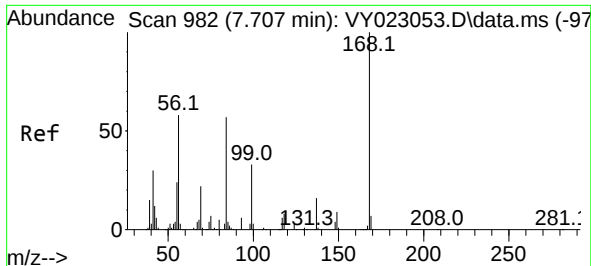
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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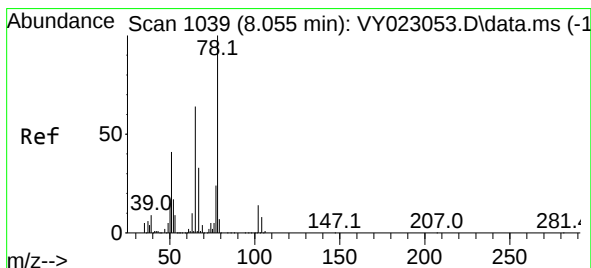
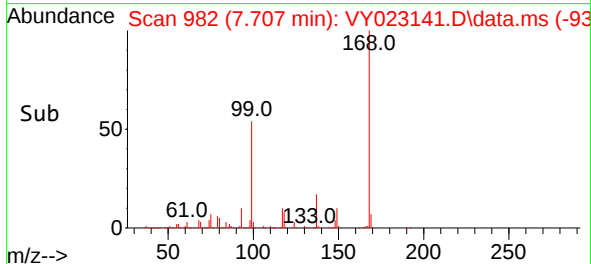
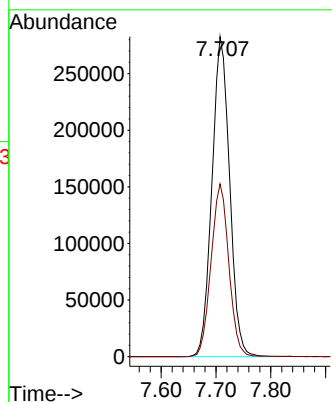
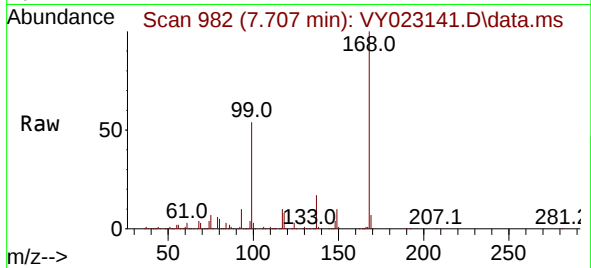




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

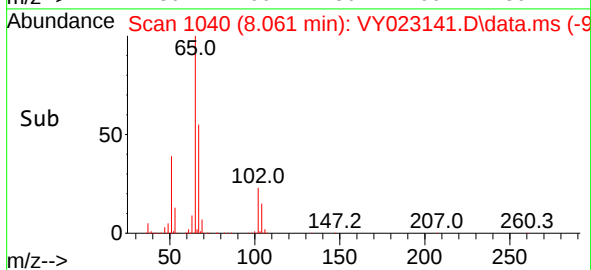
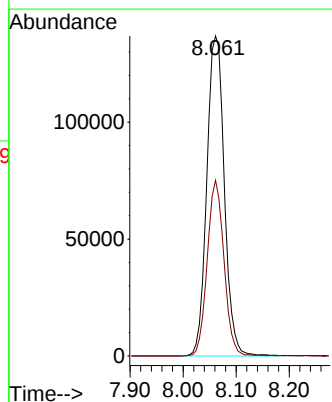
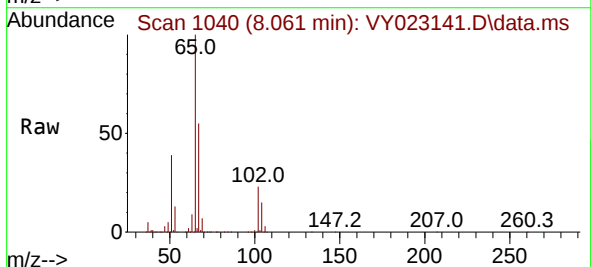
Instrument :
MSVOA_Y
ClientSampleId :
82H-S

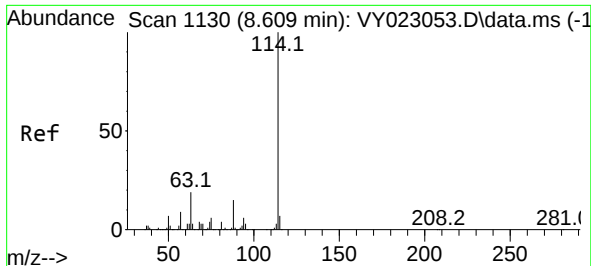
Tgt Ion:168 Resp: 632898
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 52.156 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion: 65 Resp: 314601
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

82H-S

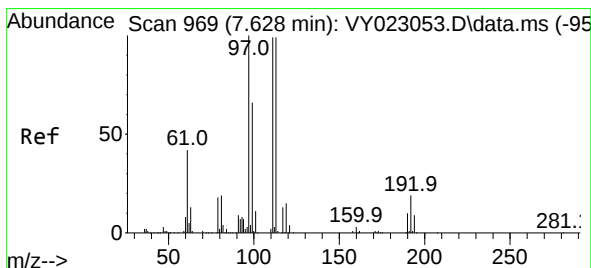
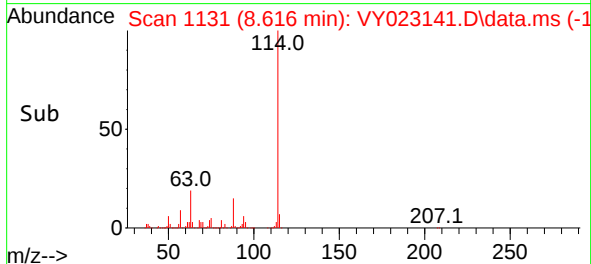
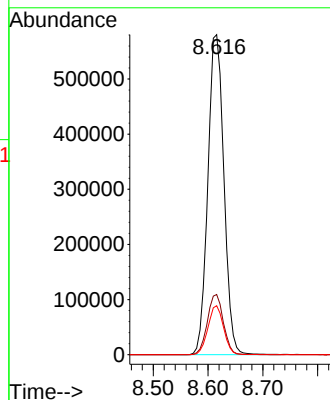
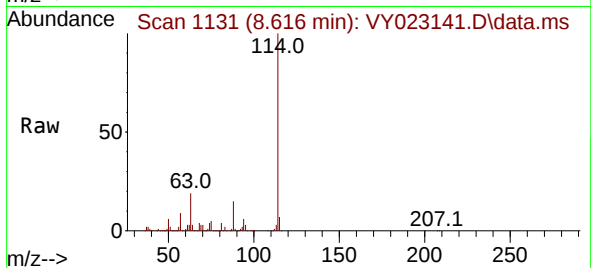
Tgt Ion:114 Resp: 1176361

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.129 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023141.D

Acq: 19 Aug 2025 11:20

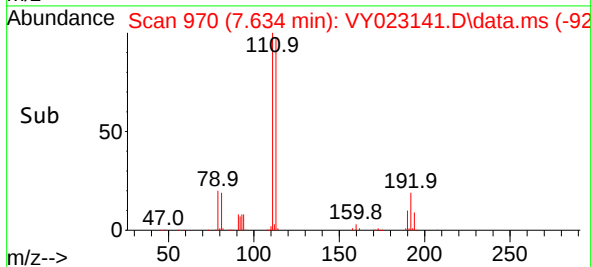
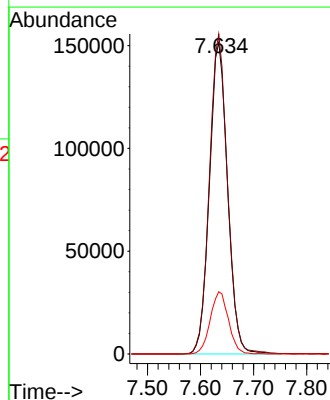
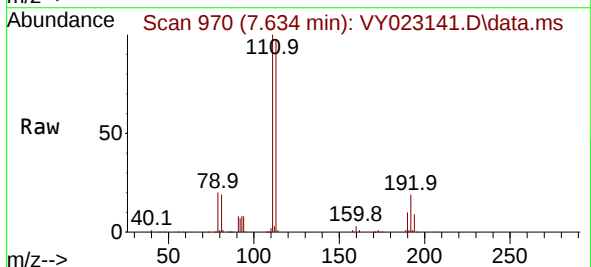
Tgt Ion:113 Resp: 359894

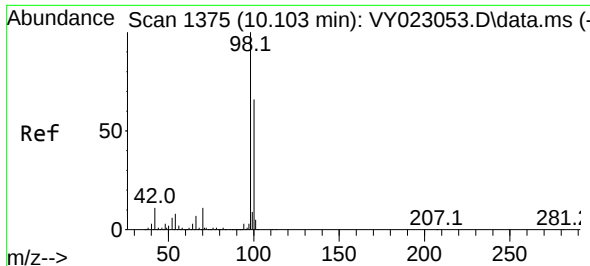
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 20.0 16.2 24.4

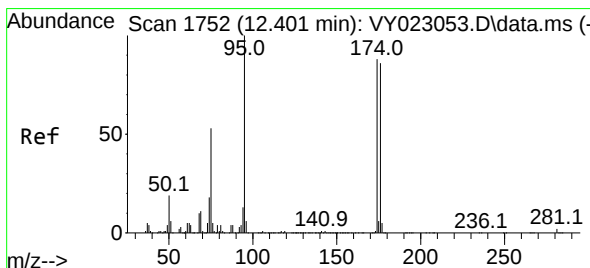
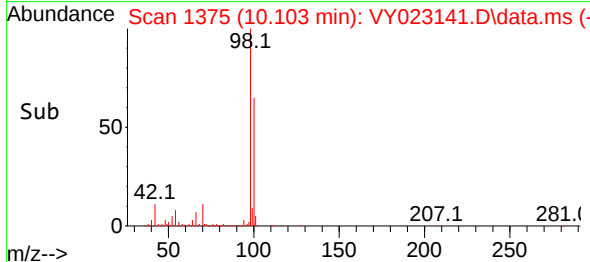
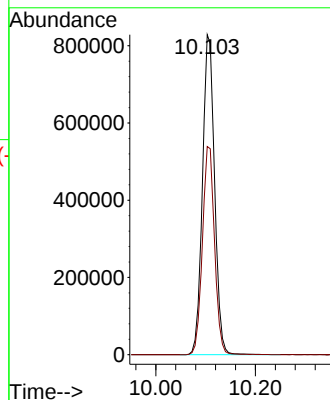
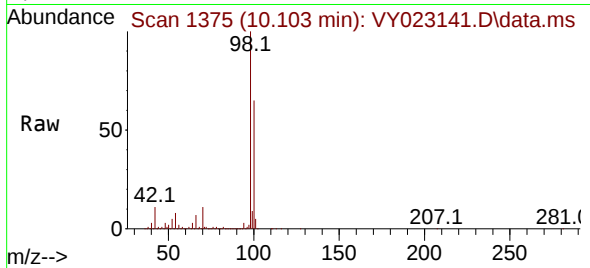




#50
Toluene-d8
Concen: 50.738 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

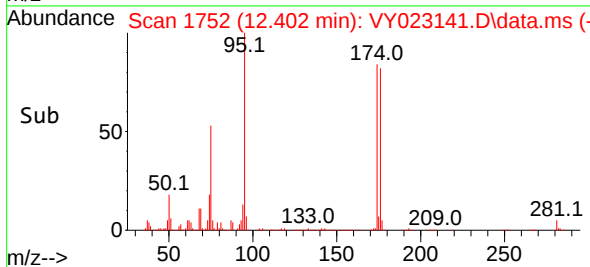
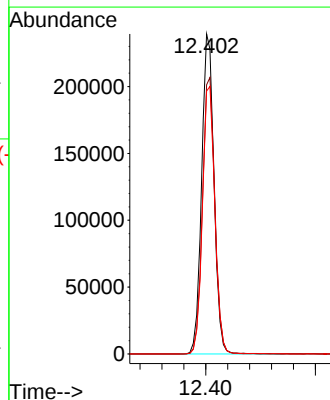
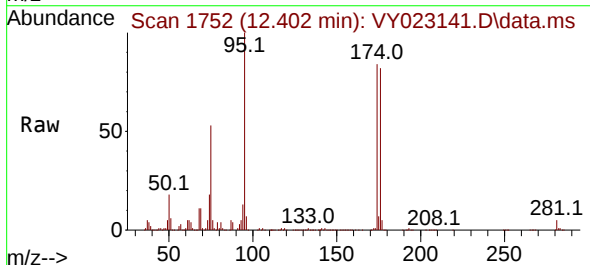
Instrument :
MSVOA_Y
ClientSampleId :
82H-S

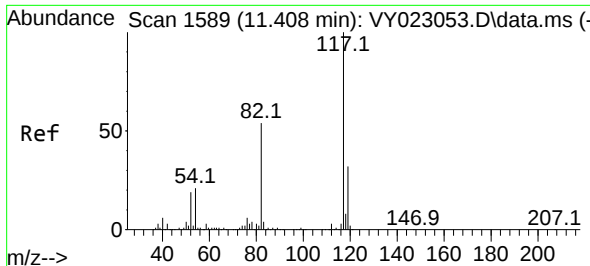
Tgt Ion: 98 Resp: 1395208
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.175 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion: 95 Resp: 372975
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 84.2 0.0 167.6

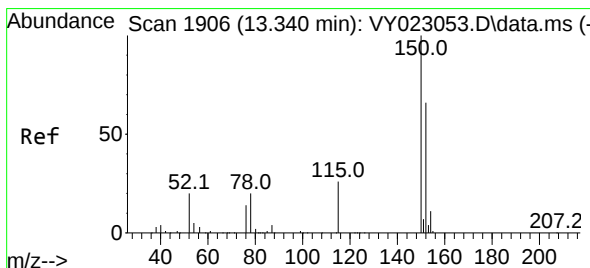
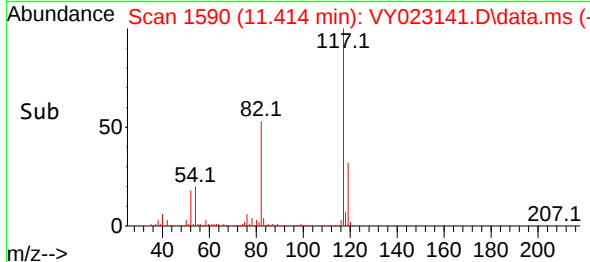
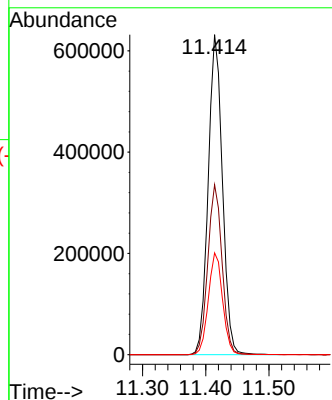
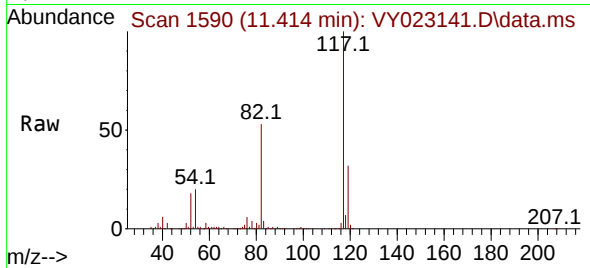




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023141.D
Acq: 19 Aug 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
82H-S

Tgt Ion:117 Resp: 988287
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.8 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: VY023141.D
Acq: 19 Aug 2025 11:20

Tgt Ion:152 Resp: 333936
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.6
150 156.6 0.0 348.0

