

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023034.D
 Acq On : 21 Jul 2025 18:07
 Operator : SY/MD
 Sample : Q2651-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 9-8

Quant Time: Jul 22 04:55:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	24921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	36083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	27729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	6236	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	8778	34.794	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.580%
35) Dibromofluoromethane	7.628	113	9450	41.287	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.580%
50) Toluene-d8	10.103	98	38946	42.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.820%
62) 4-Bromofluorobenzene	12.402	95	8475	29.662	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.320%

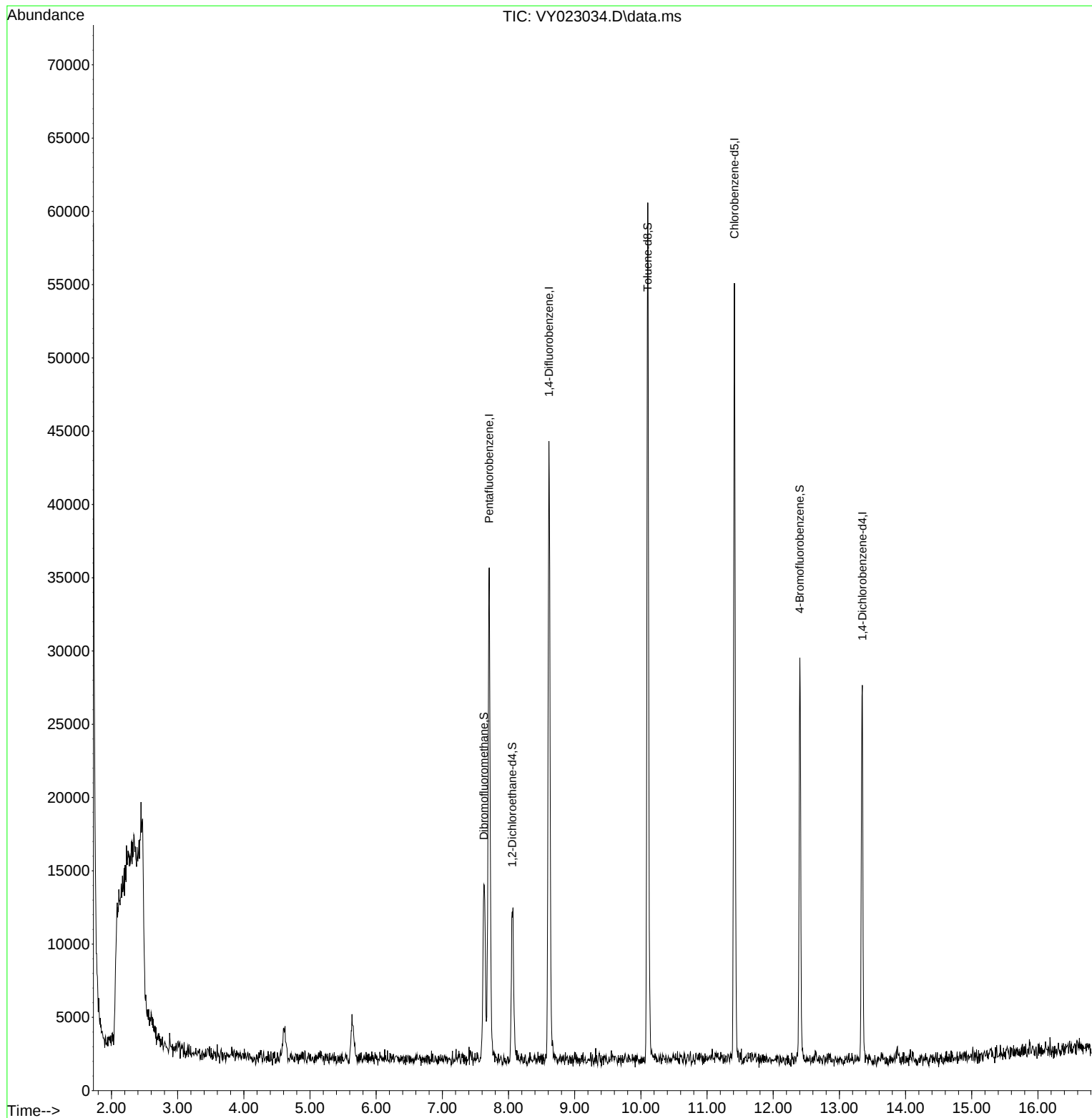
Target Compounds	Qvalue

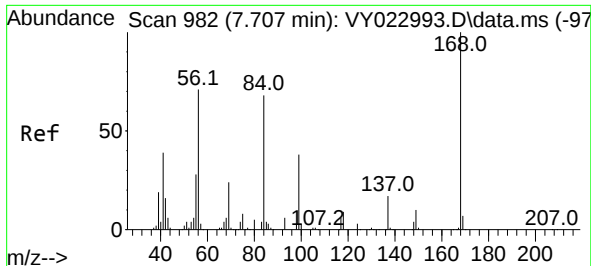
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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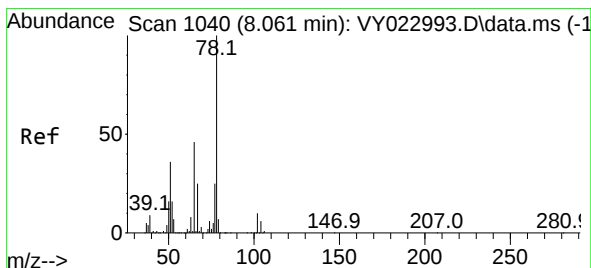
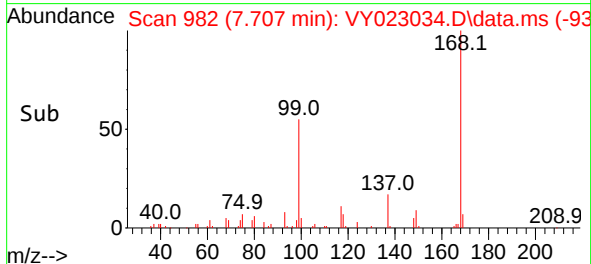
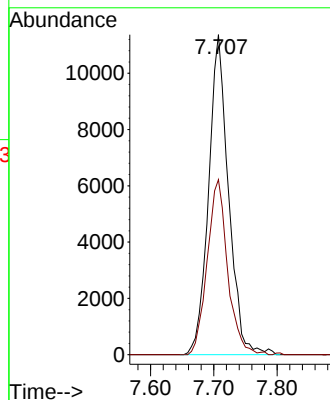
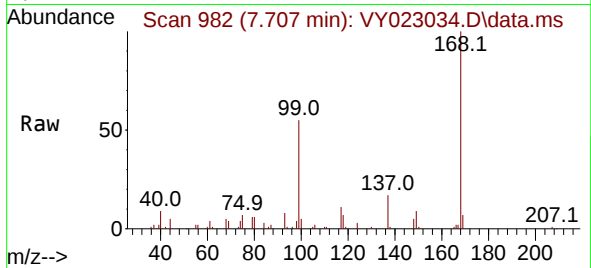




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

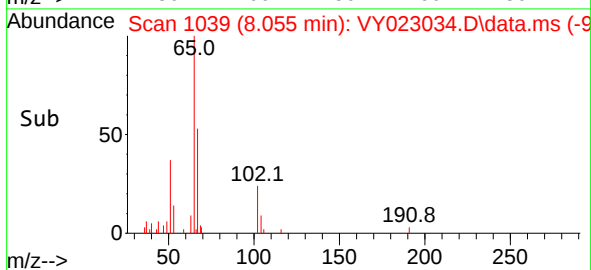
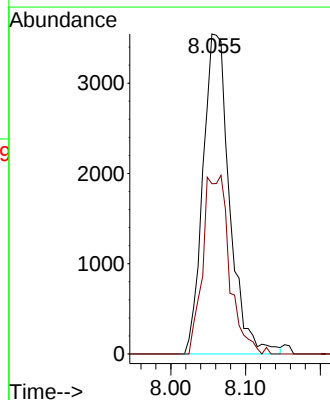
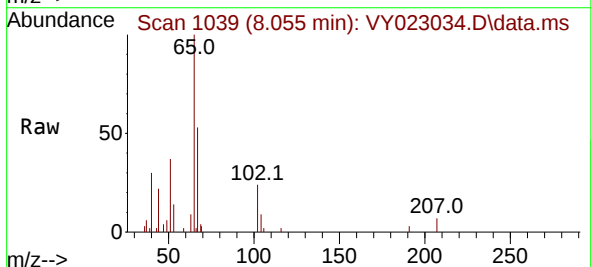
Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

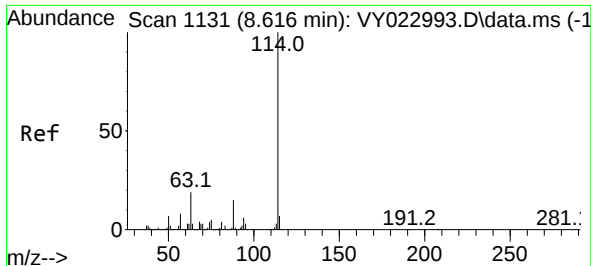
Tgt Ion:168 Resp: 24921
Ion Ratio Lower Upper
168 100
99 54.7 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 34.794 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Tgt Ion: 65 Resp: 8778
Ion Ratio Lower Upper
65 100
67 55.5 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023034.D

Acq: 21 Jul 2025 18:07

Instrument :

MSVOA_Y

ClientSampleId :

MH 9-8

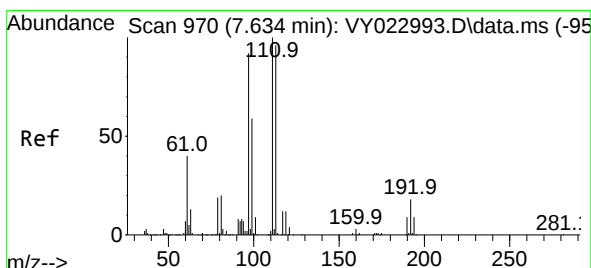
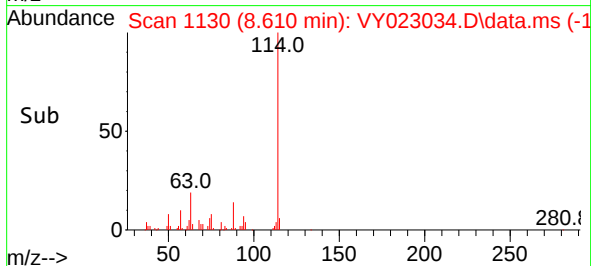
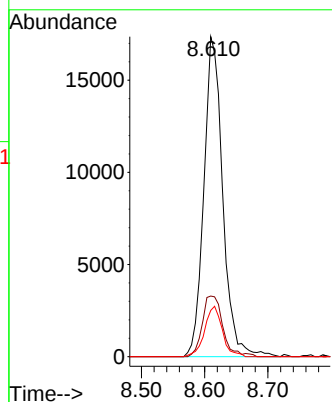
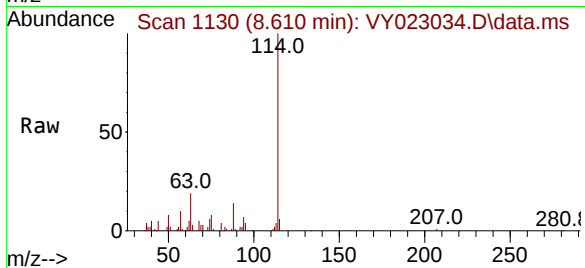
Tgt Ion:114 Resp: 36083

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

88 14.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 41.287 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY023034.D

Acq: 21 Jul 2025 18:07

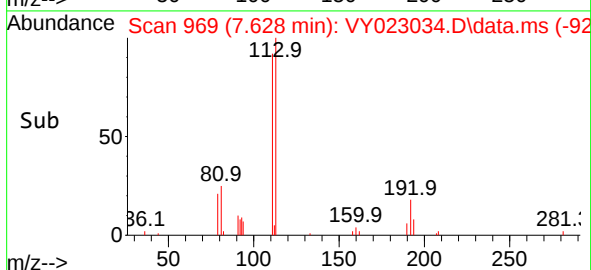
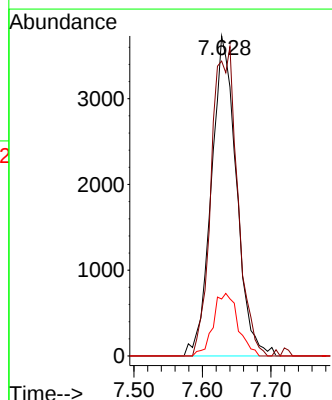
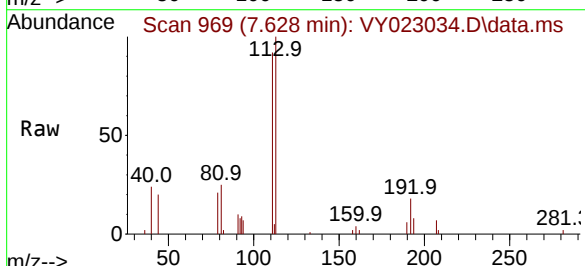
Tgt Ion:113 Resp: 9450

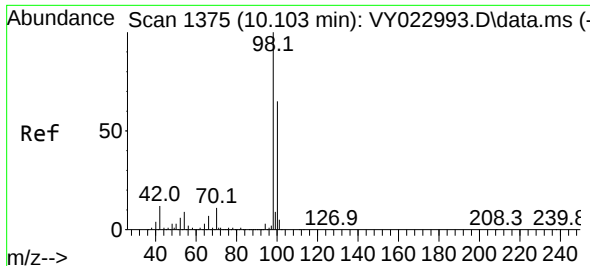
Ion Ratio Lower Upper

113 100

111 100.8 83.2 124.8

192 19.4 15.3 22.9

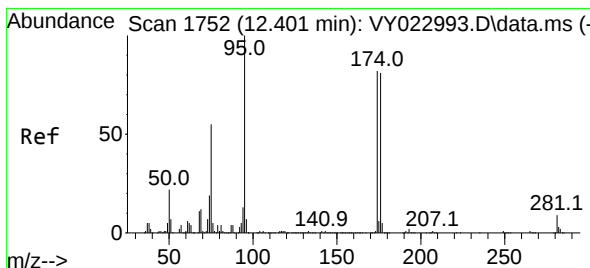
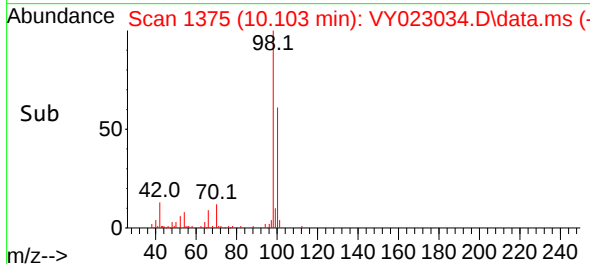
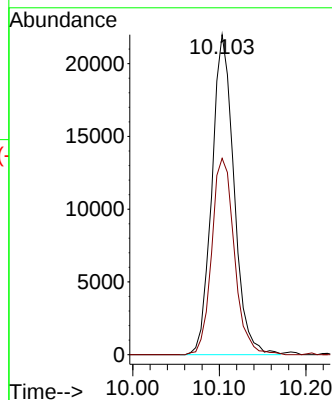
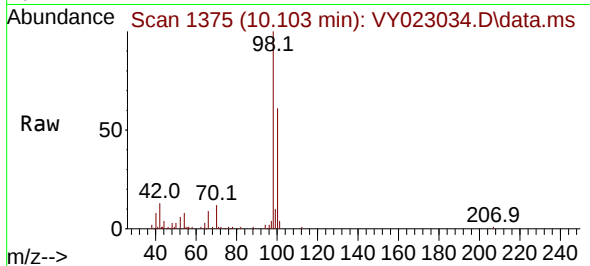




#50
Toluene-d8
Concen: 42.907 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

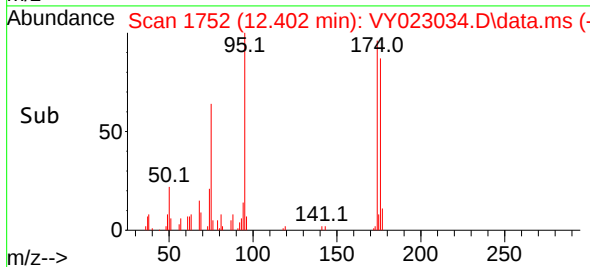
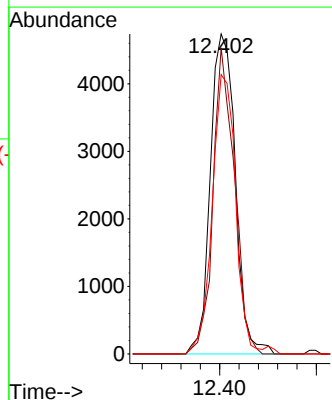
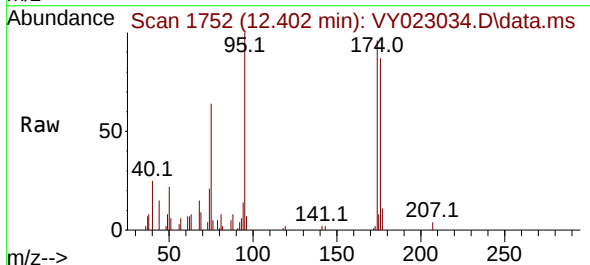
Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

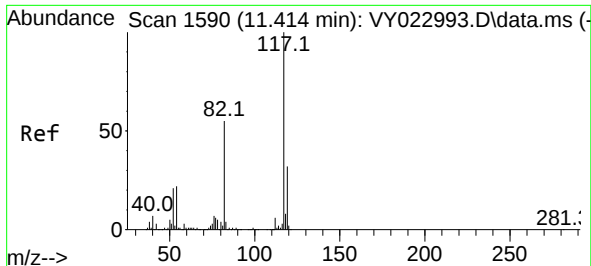
Tgt Ion: 98 Resp: 38946
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 29.662 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Tgt Ion: 95 Resp: 8475
Ion Ratio Lower Upper
95 100
174 82.0 0.0 170.8
176 82.4 0.0 163.6

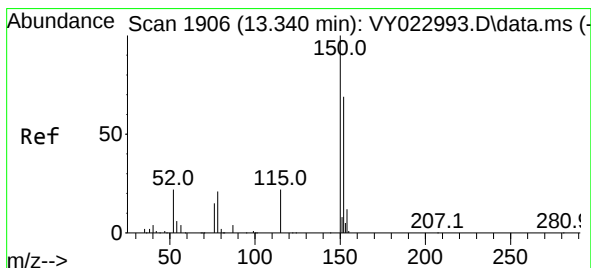
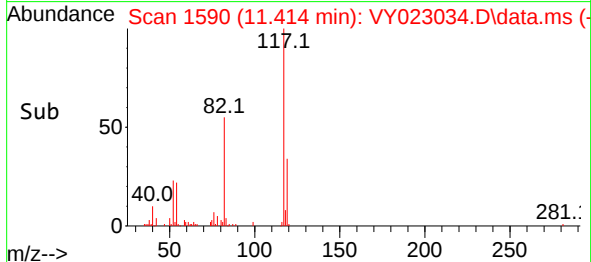
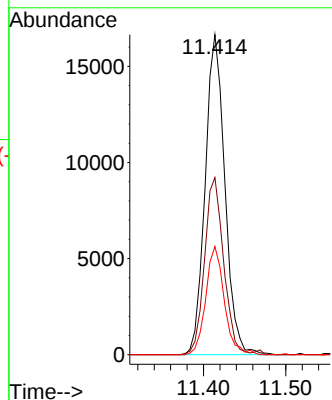
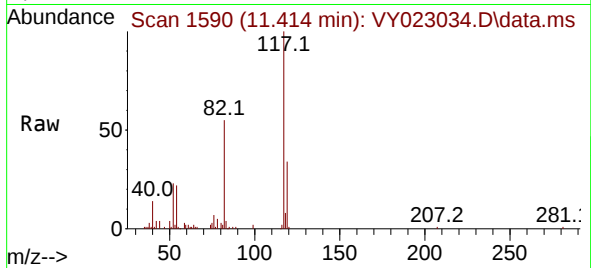




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Instrument :
MSVOA_Y
ClientSampleId :
MH 9-8

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.3	66.5
119	33.8	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023034.D
Acq: 21 Jul 2025 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.1	29.4	88.2
150	168.0	0.0	350.0

