

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023040.D
 Acq On : 22 Jul 2025 12:47
 Operator : SY/MD
 Sample : VY0722SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

Quant Time: Jul 23 02:01:42 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	7.713	168	287011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	554548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	566307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245159	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	172608	59.407	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.820%
35) Dibromofluoromethane	7.634	113	180967	51.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.880%
50) Toluene-d8	10.109	98	684309	49.055	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.407	95	246433	56.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.240%

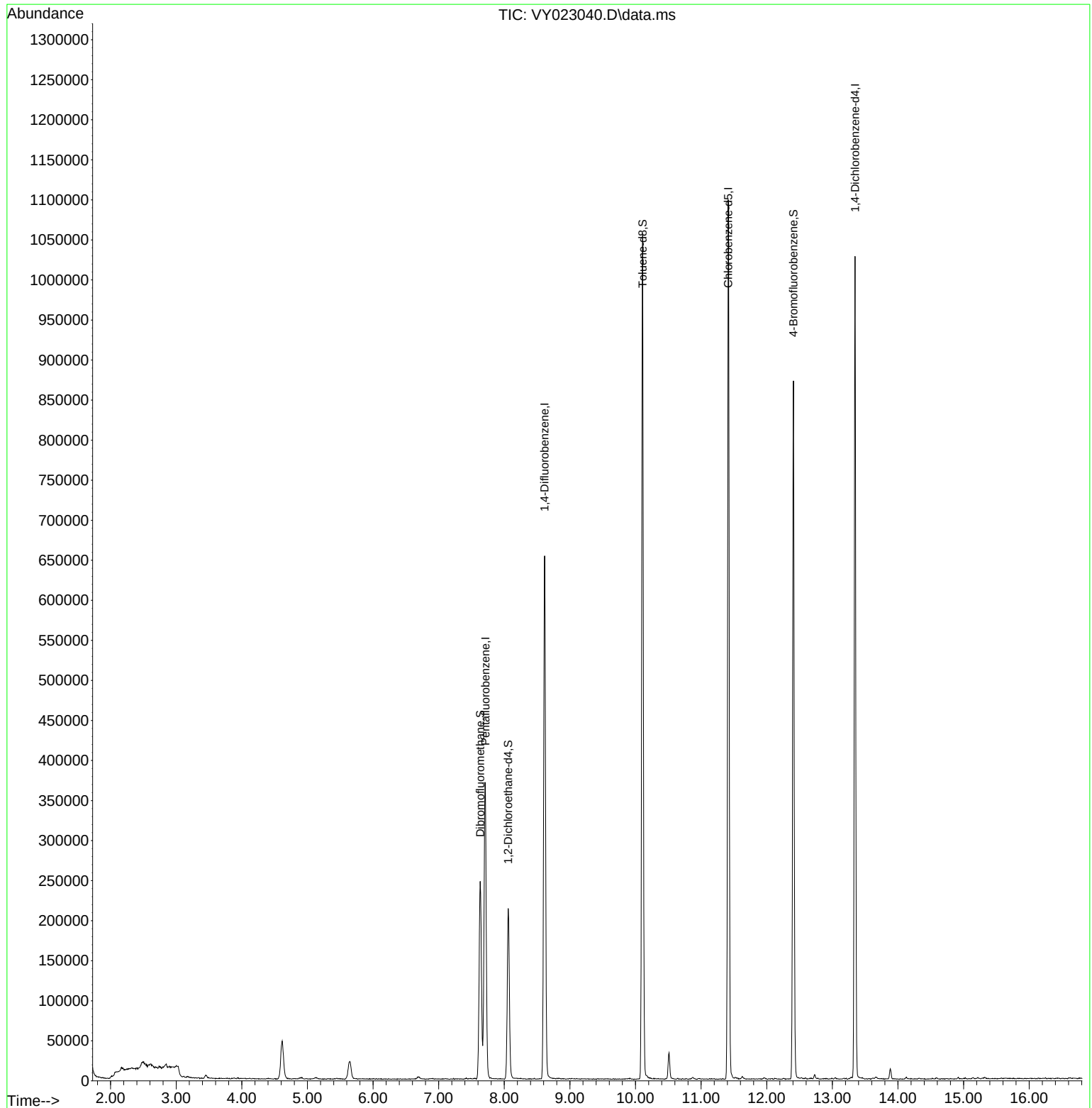
Target Compounds	Qvalue

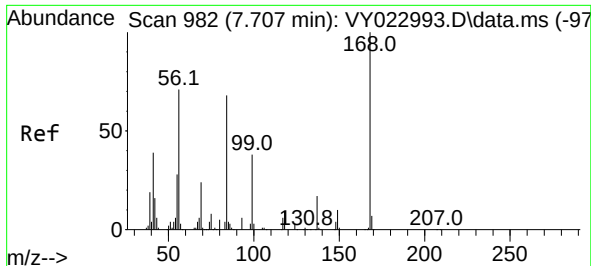
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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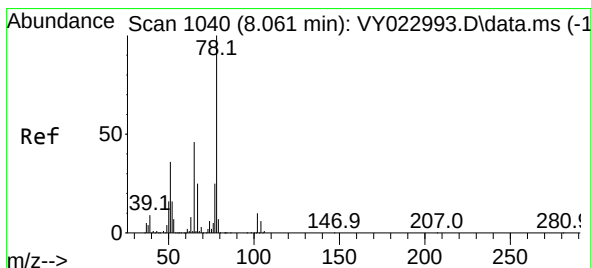
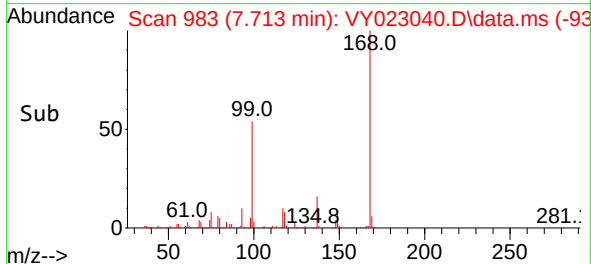
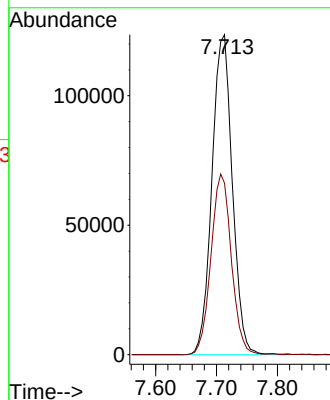
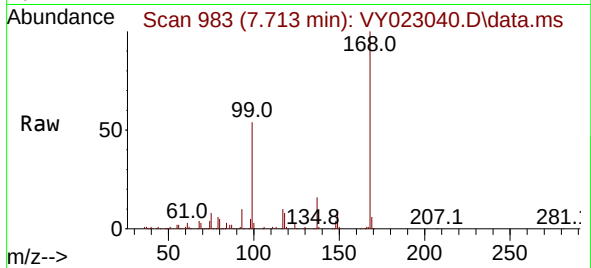




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

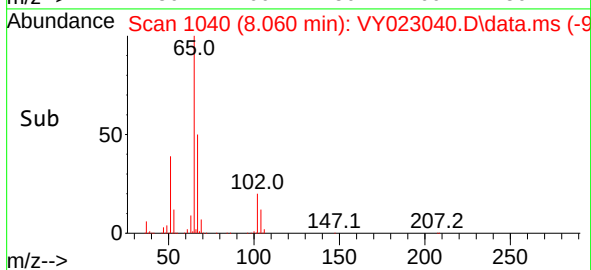
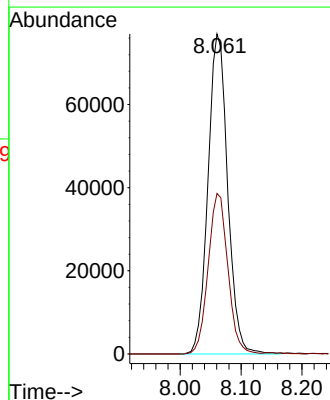
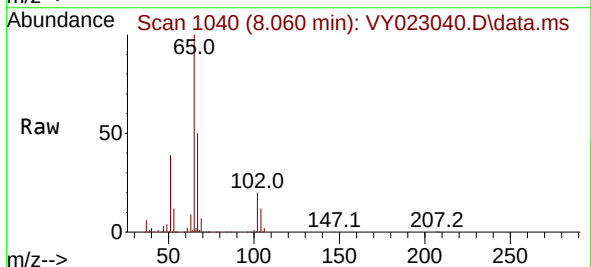
Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

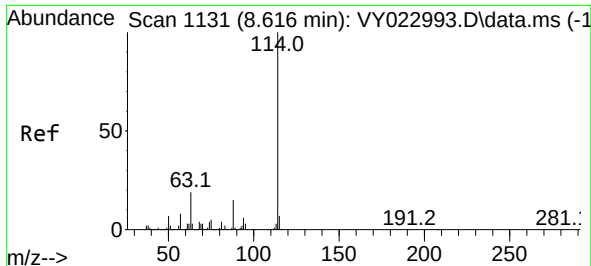
Tgt Ion:168 Resp: 287011
Ion Ratio Lower Upper
168 100
99 53.6 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 59.407 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 65 Resp: 172608
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023040.D

Acq: 22 Jul 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBL01

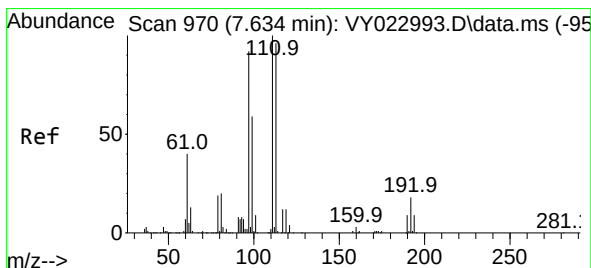
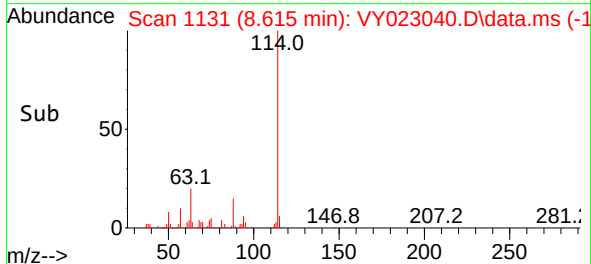
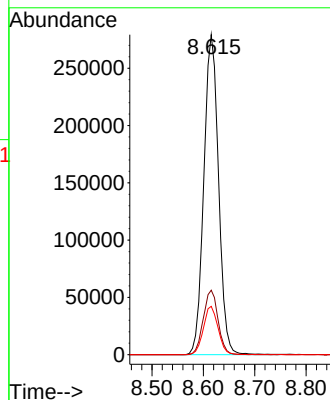
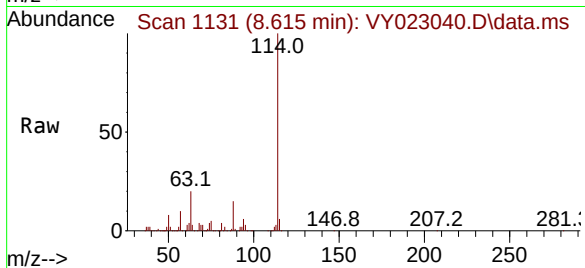
Tgt Ion:114 Resp: 554548

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

88 15.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.445 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023040.D

Acq: 22 Jul 2025 12:47

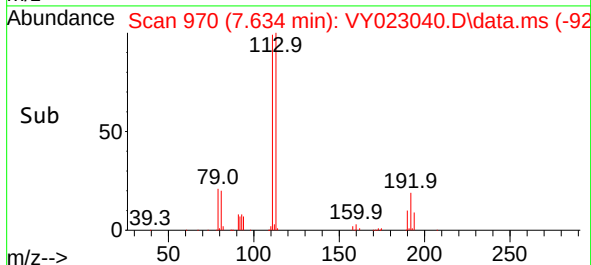
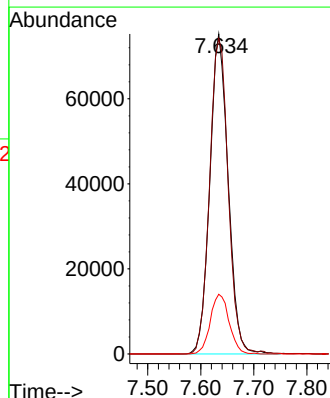
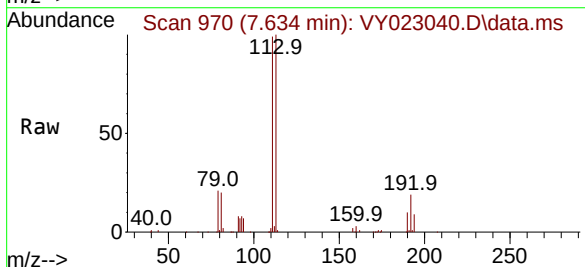
Tgt Ion:113 Resp: 180967

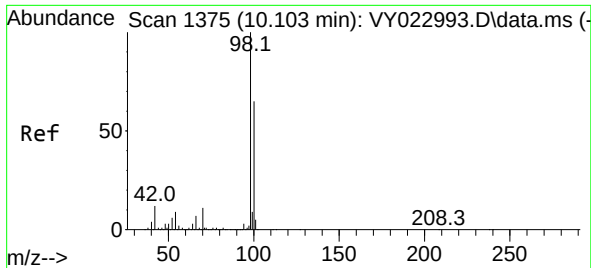
Ion Ratio Lower Upper

113 100

111 100.1 83.2 124.8

192 19.2 15.3 22.9

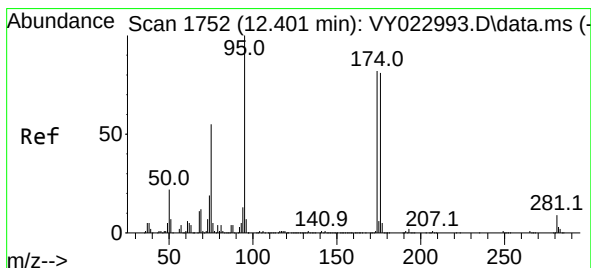
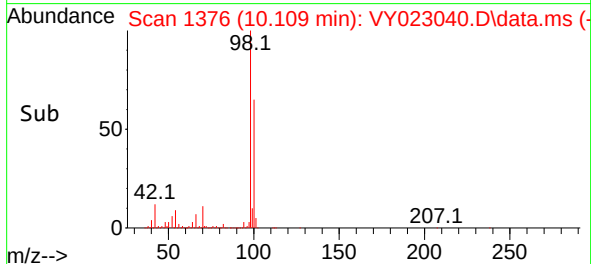
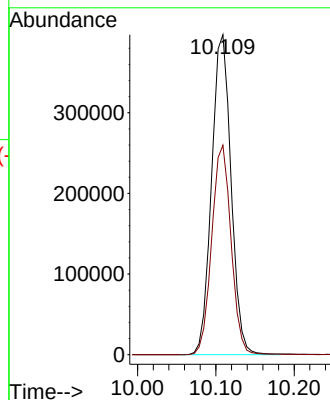
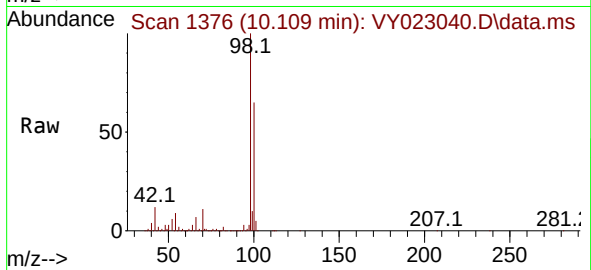




#50
Toluene-d8
Concen: 49.055 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

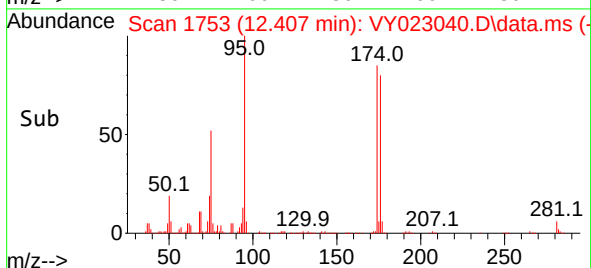
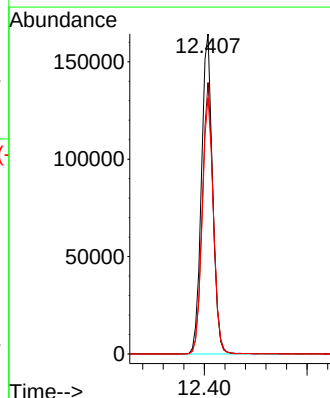
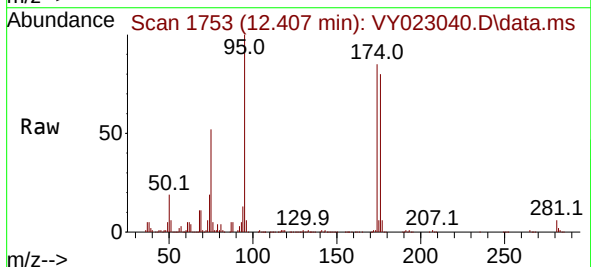
Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

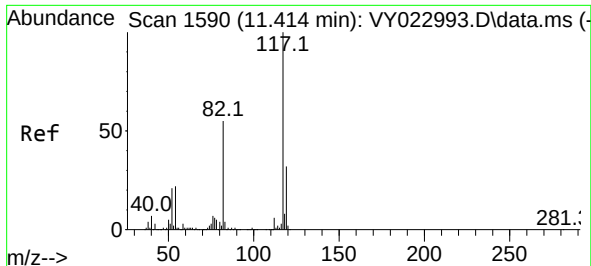
Tgt Ion: 98 Resp: 684309
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 56.120 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 95 Resp: 246433
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.8
176 80.1 0.0 163.6

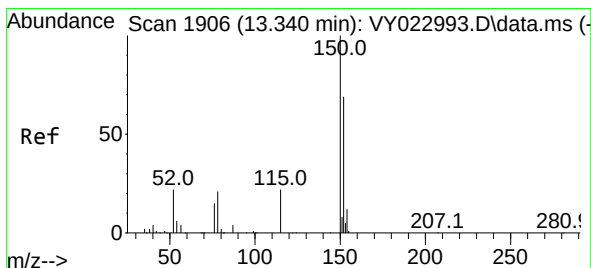
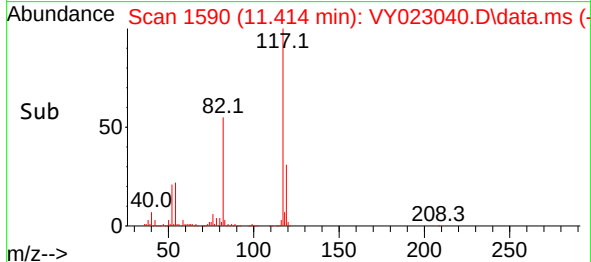
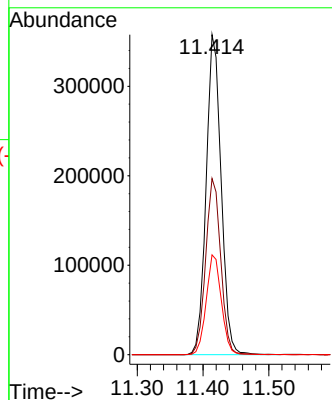
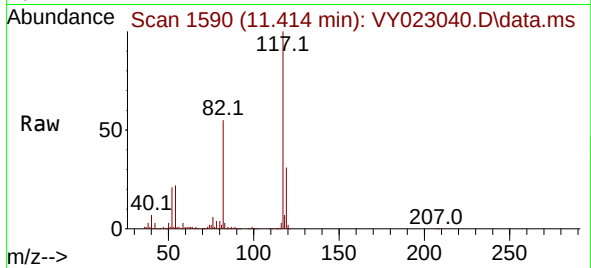




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Tgt Ion:117 Resp: 566307
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion:152 Resp: 245159
Ion Ratio Lower Upper
152 100
115 58.2 29.4 88.2
150 158.1 0.0 350.0

