

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023797.D
 Acq On : 24 Nov 2025 17:59
 Operator : SY/MD
 Sample : Q3712-01
 Misc : 7.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-03-11212025

Quant Time: Nov 26 02:14:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	611683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1145140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1139851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	464776	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	354496	67.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.880%
35) Dibromofluoromethane	7.634	113	374682	52.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.109	98	1604191	60.177	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	120.360%
62) 4-Bromofluorobenzene	12.408	95	471926	54.742	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.480%

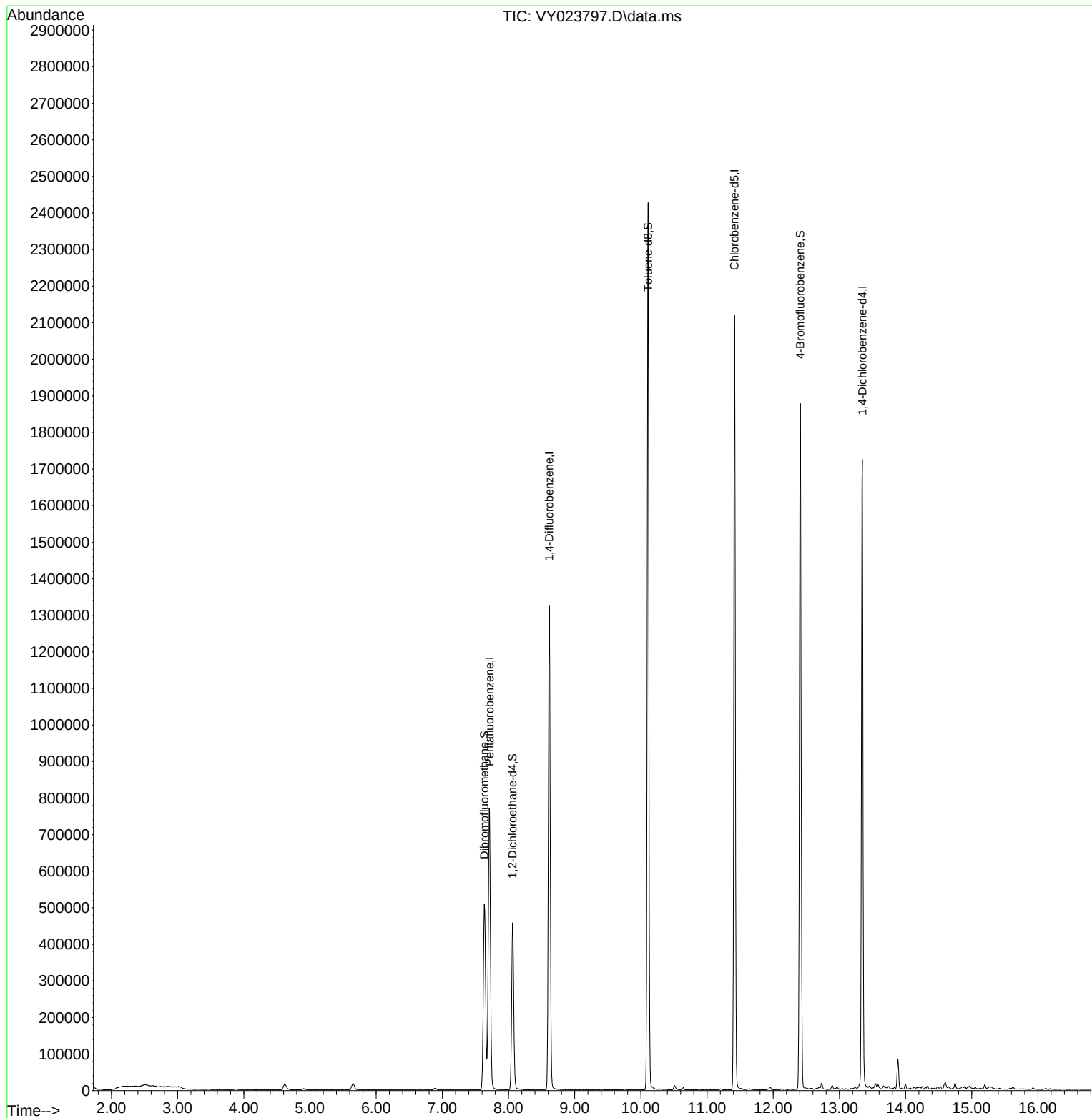
Target Compounds	Qvalue

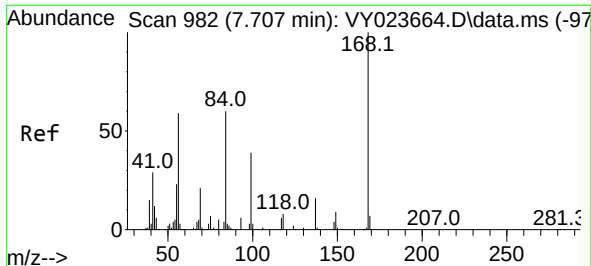
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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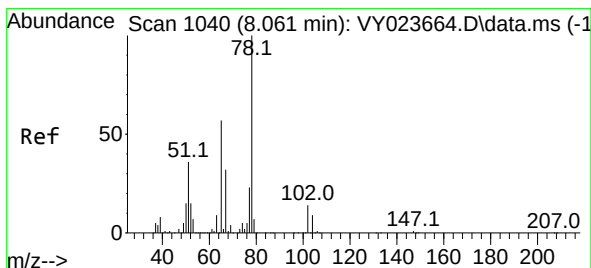
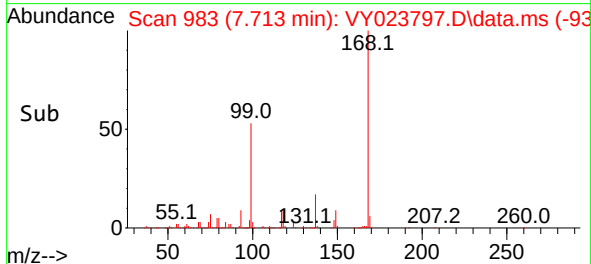
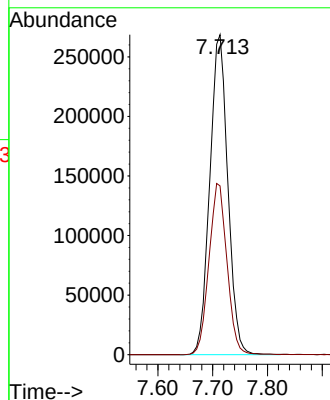
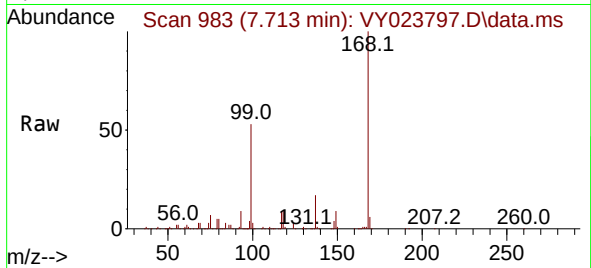




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023797.D
Acq: 24 Nov 2025 17:59

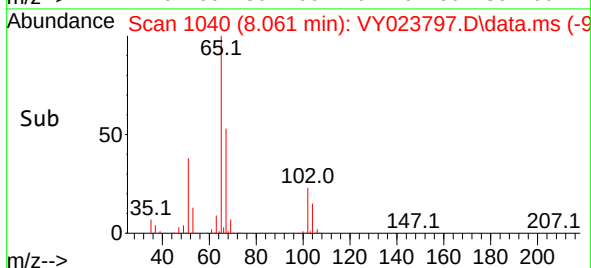
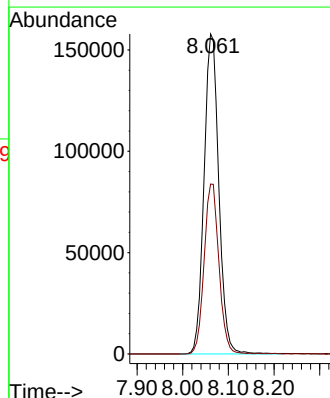
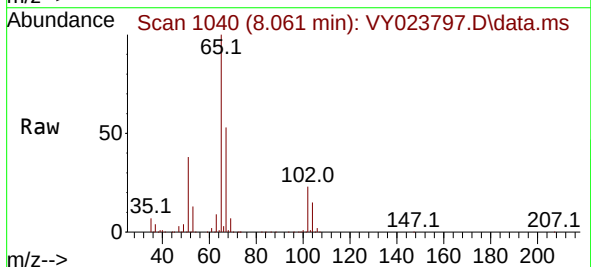
Instrument :
MSVOA_Y
ClientSampleId :
JC-03-11212025

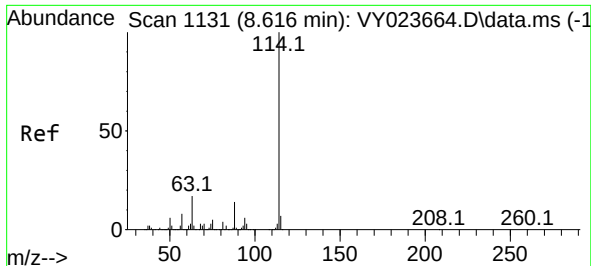
Tgt Ion:168 Resp: 611683
Ion Ratio Lower Upper
168 100
99 52.8 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 67.941 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023797.D
Acq: 24 Nov 2025 17:59

Tgt Ion: 65 Resp: 354496
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023797.D

Acq: 24 Nov 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

JC-03-11212025

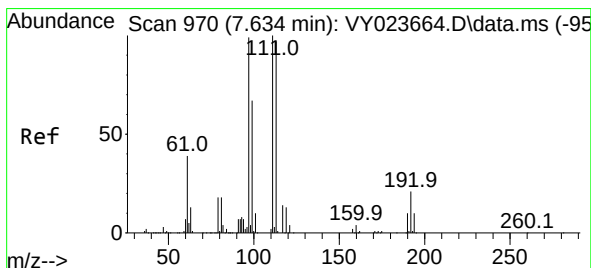
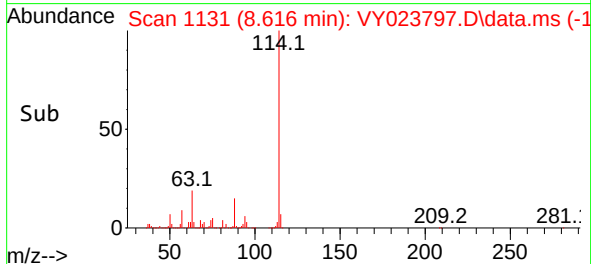
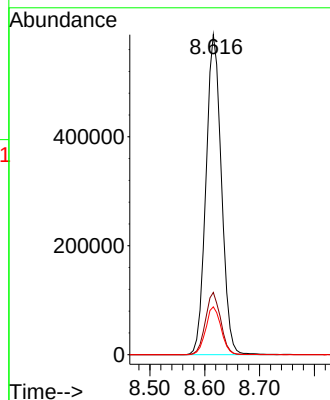
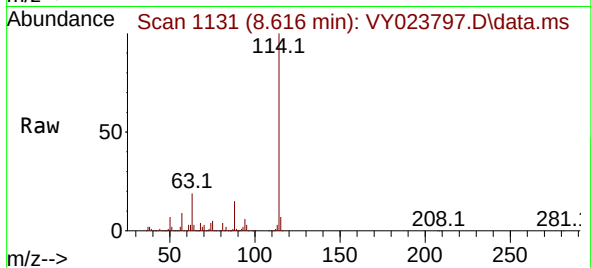
Tgt Ion:114 Resp: 1145140

Ion Ratio Lower Upper

114 100

63 19.4 0.0 33.8

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.357 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023797.D

Acq: 24 Nov 2025 17:59

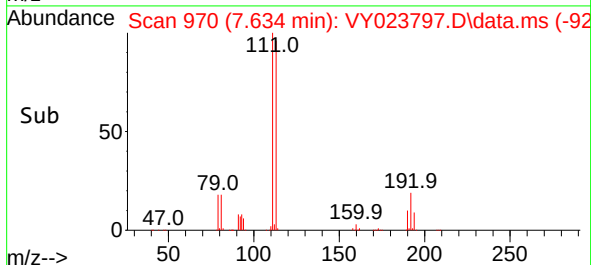
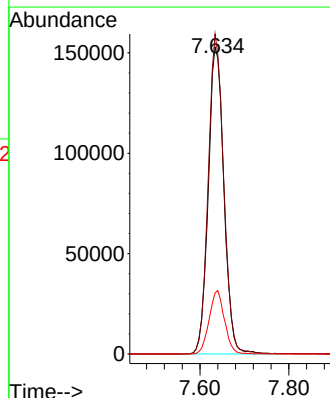
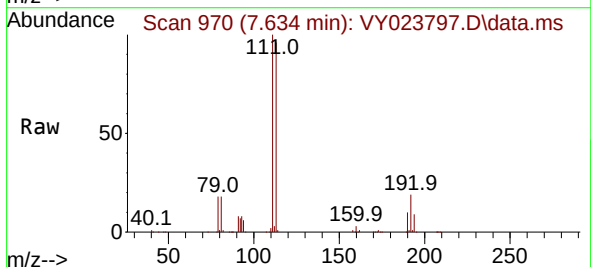
Tgt Ion:113 Resp: 374682

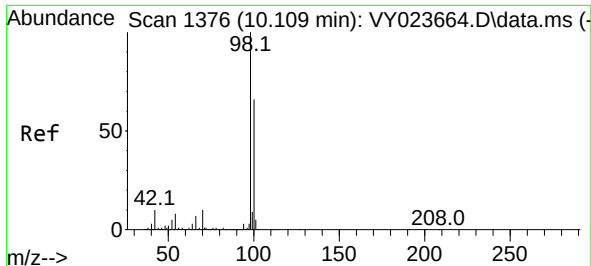
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 20.2 17.3 25.9

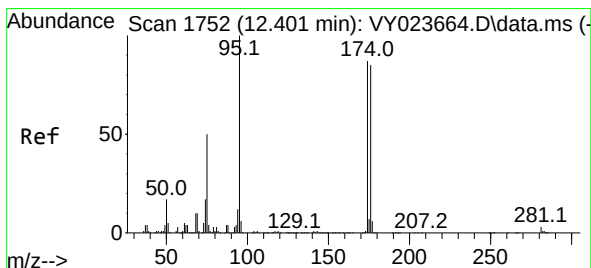
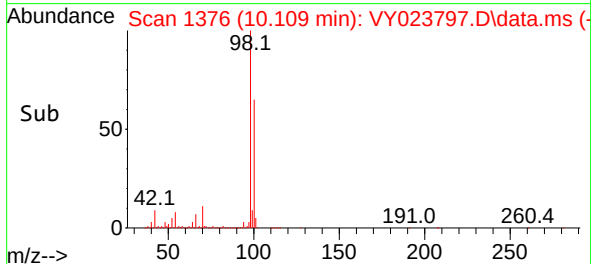
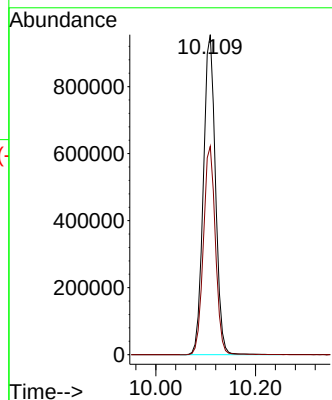
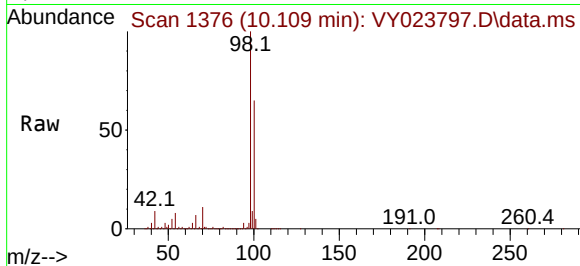




#50
Toluene-d8
Concen: 60.177 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023797.D
Acq: 24 Nov 2025 17:59

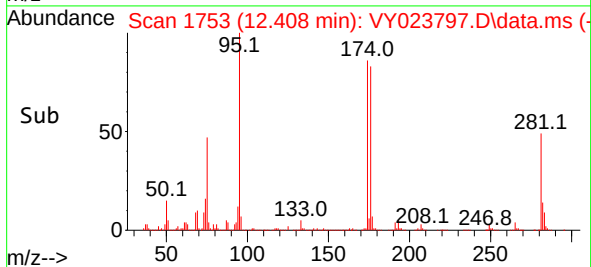
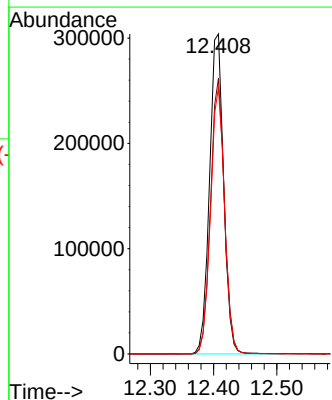
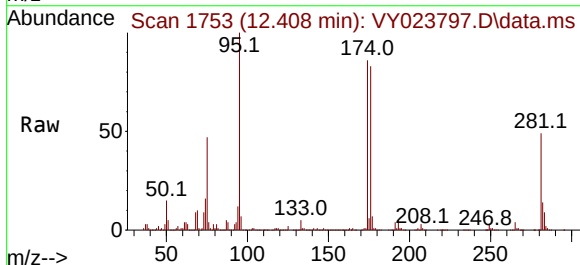
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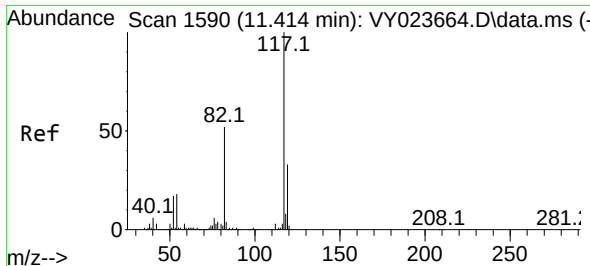
Tgt Ion: 98 Resp: 1604191
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 54.742 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023797.D
Acq: 24 Nov 2025 17:59

Tgt Ion: 95 Resp: 471926
Ion Ratio Lower Upper
95 100
174 85.0 0.0 184.8
176 82.4 0.0 181.6

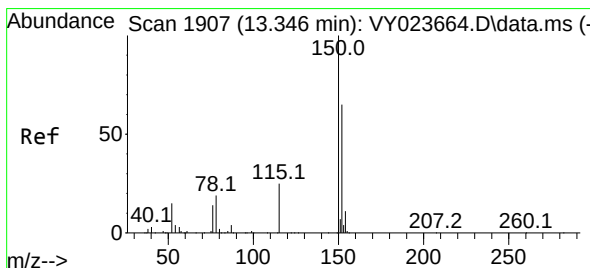
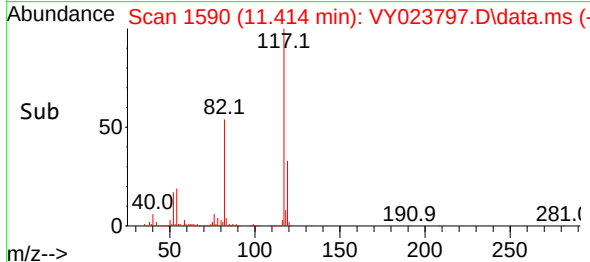
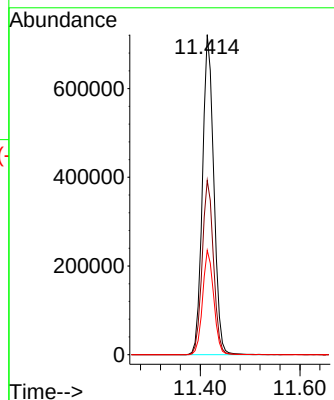
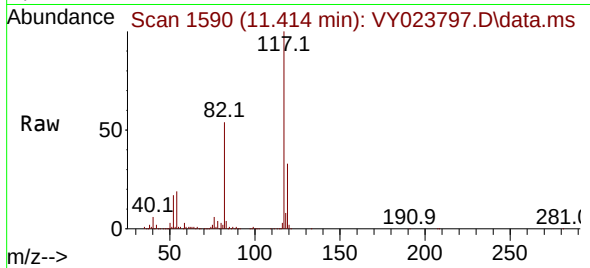




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023797.D
Acq: 24 Nov 2025 17:59

Instrument :
MSVOA_Y
ClientSampleId :
JC-03-11212025

Tgt Ion:117 Resp: 1139851
Ion Ratio Lower Upper
117 100
82 54.4 41.2 61.8
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023797.D
Acq: 24 Nov 2025 17:59

Tgt Ion:152 Resp: 464776
Ion Ratio Lower Upper
152 100
115 57.9 27.5 82.5
150 157.2 0.0 349.0

