

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023798.D
 Acq On : 24 Nov 2025 18:22
 Operator : SY/MD
 Sample : Q3714-01
 Misc : 6.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-11-24-2025

Quant Time: Nov 26 02:15:10 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	524181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	981362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	897104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	269469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	302439	67.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.280%
35) Dibromofluoromethane	7.634	113	327309	53.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.740%
50) Toluene-d8	10.109	98	1290320	56.481	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.960%
62) 4-Bromofluorobenzene	12.407	95	331218	44.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.660%

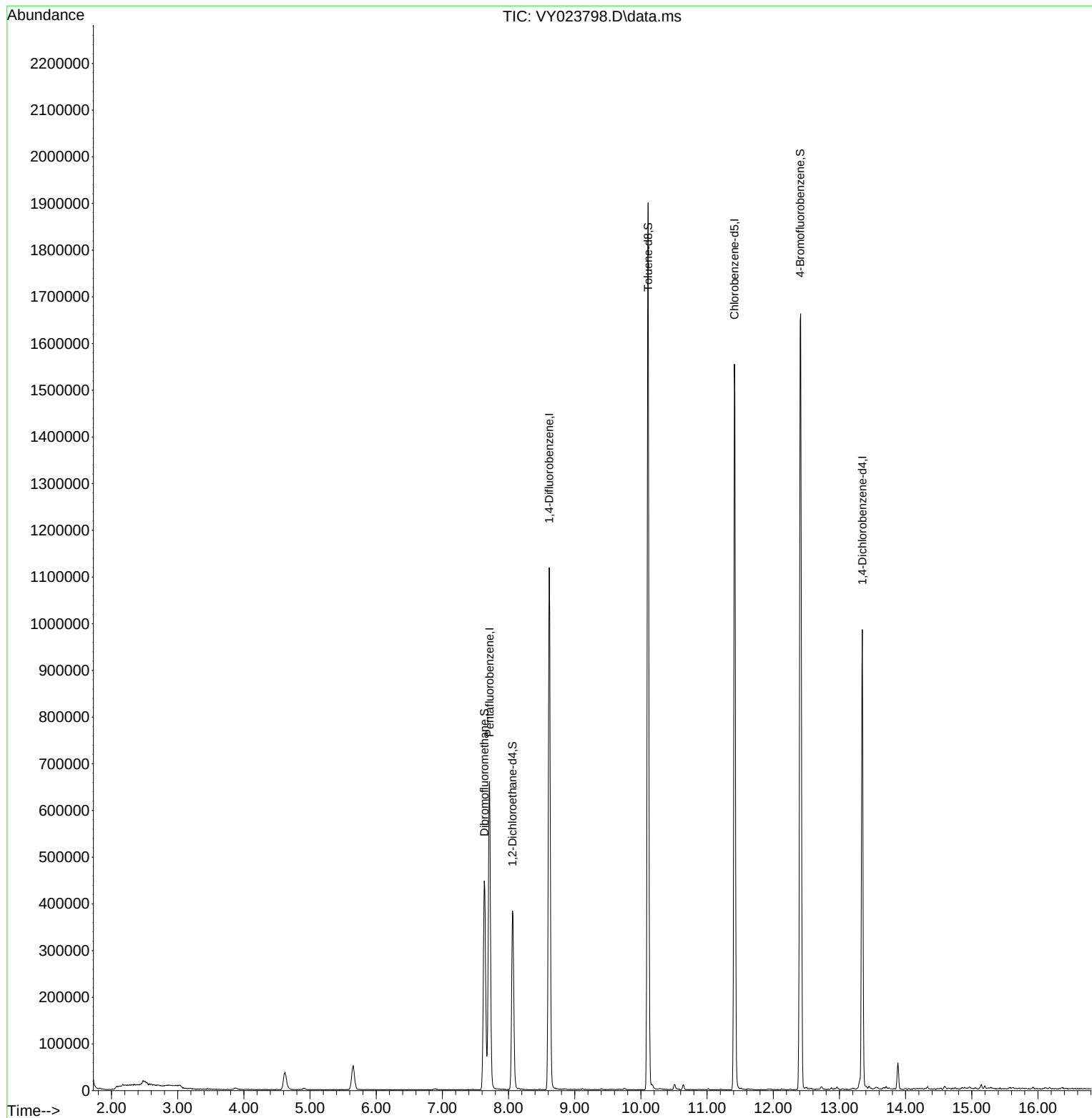
Target Compounds	Qvalue

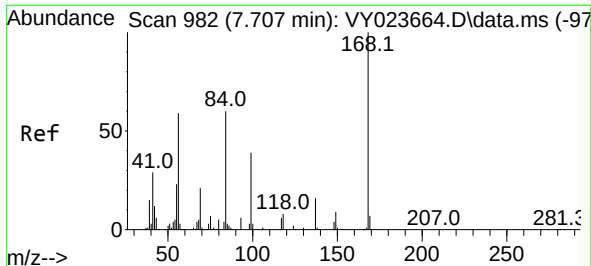
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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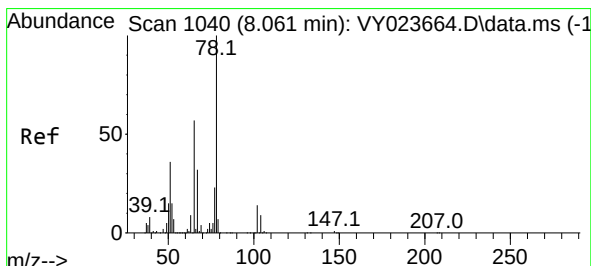
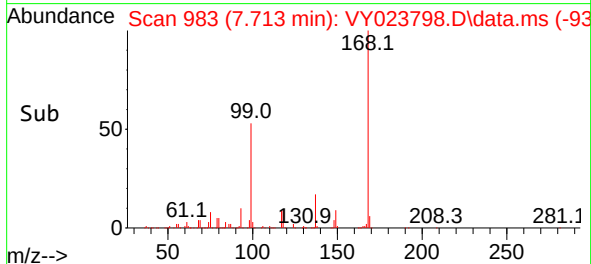
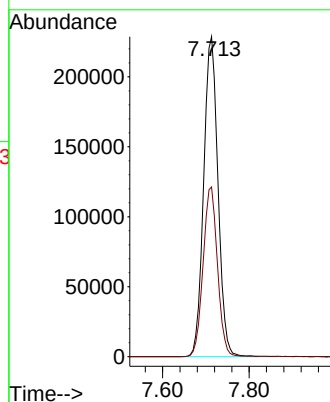
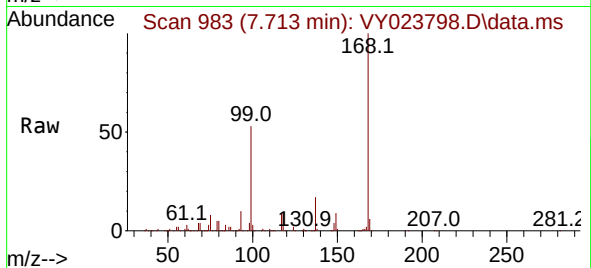




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023798.D
Acq: 24 Nov 2025 18:22

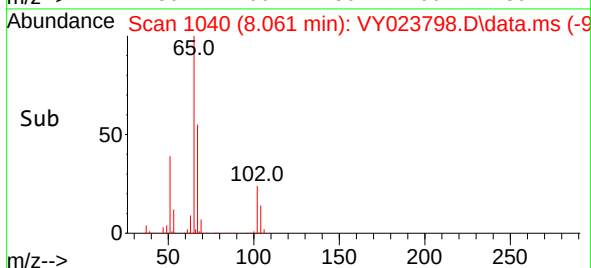
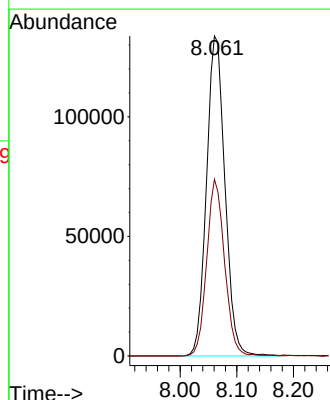
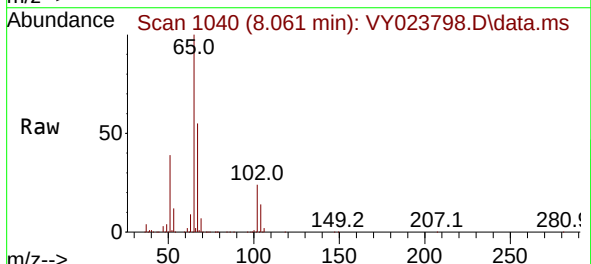
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-11-24-2025

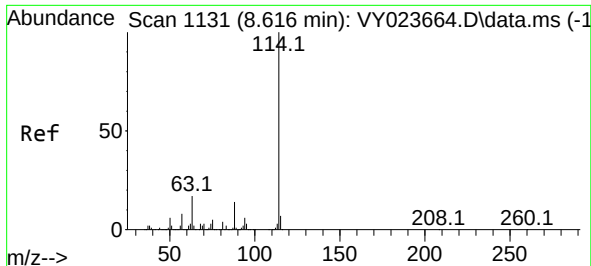
Tgt Ion:168 Resp: 524181
Ion Ratio Lower Upper
168 100
99 53.0 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 67.640 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023798.D
Acq: 24 Nov 2025 18:22

Tgt Ion: 65 Resp: 302439
Ion Ratio Lower Upper
65 100
67 53.4 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: VY023798.D

Acq: 24 Nov 2025 18:22

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-11-24-2025

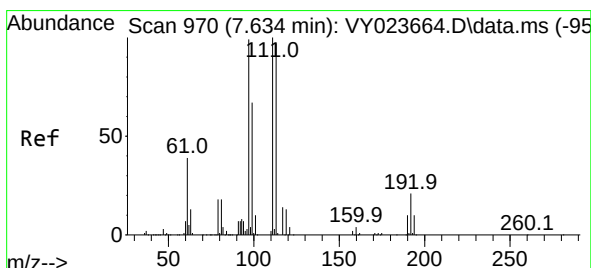
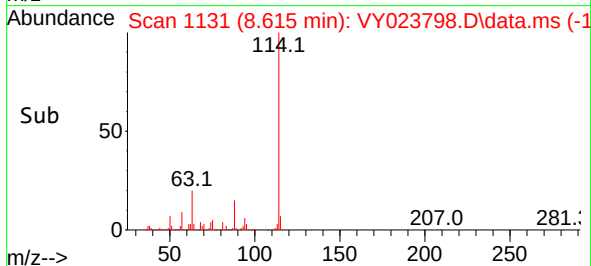
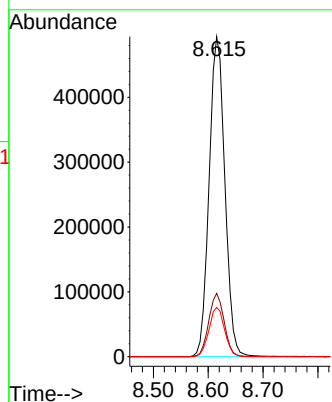
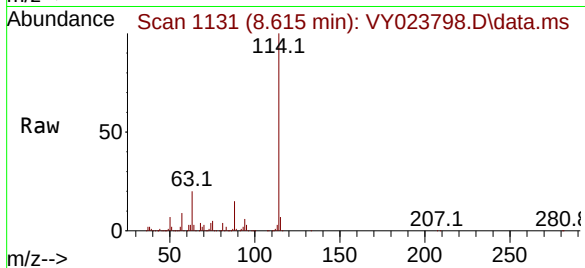
Tgt Ion:114 Resp: 981362

Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.8

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.370 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023798.D

Acq: 24 Nov 2025 18:22

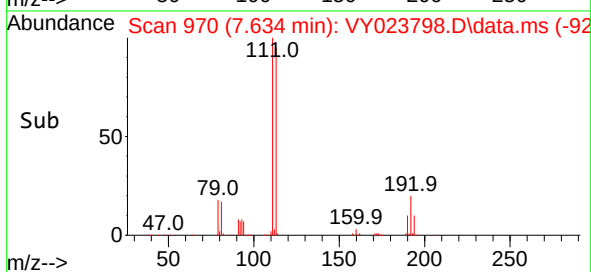
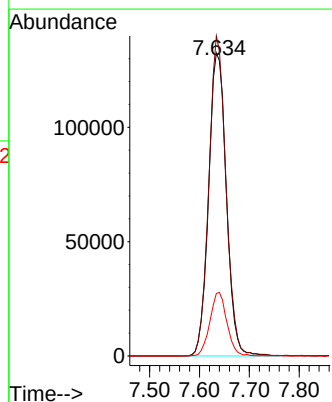
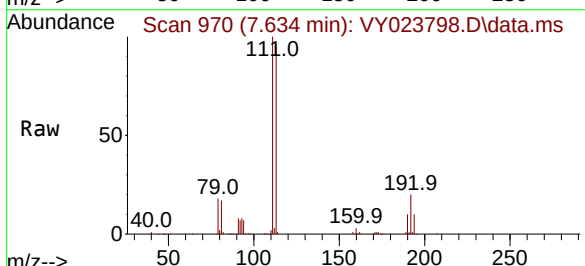
Tgt Ion:113 Resp: 327309

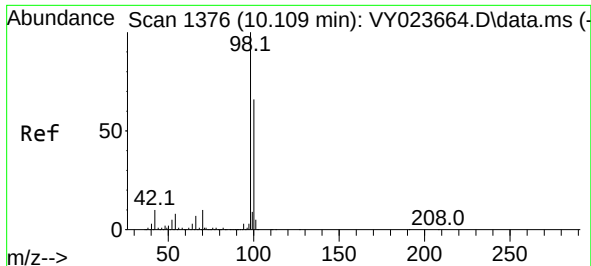
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 20.1 17.3 25.9

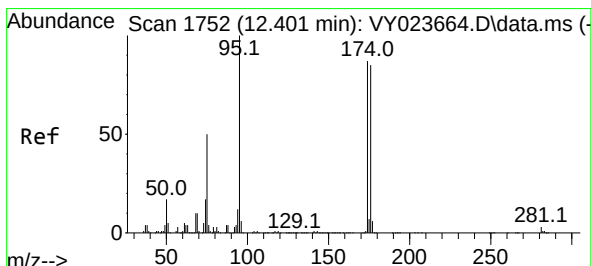
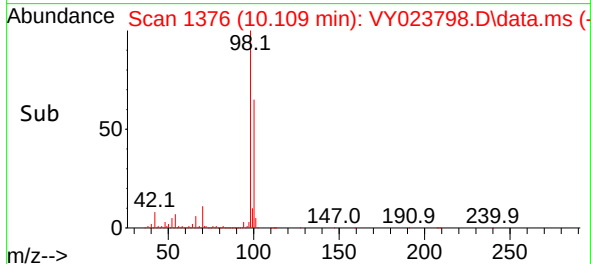
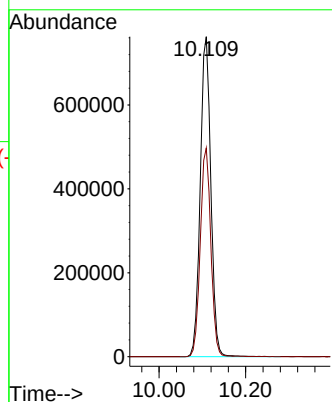
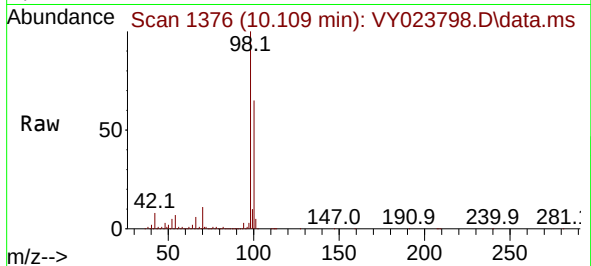




#50
Toluene-d8
Concen: 56.481 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023798.D
Acq: 24 Nov 2025 18:22

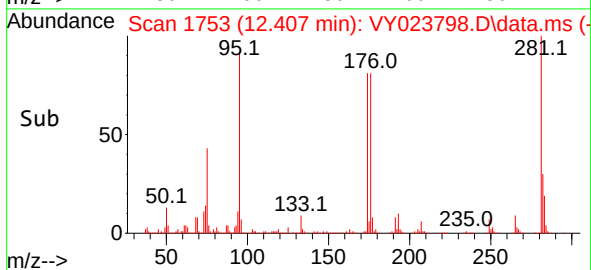
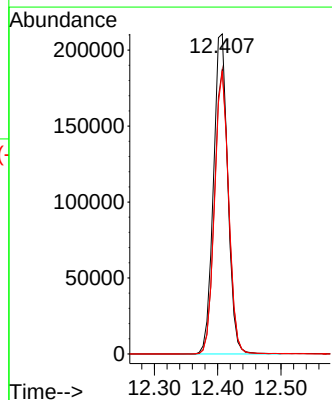
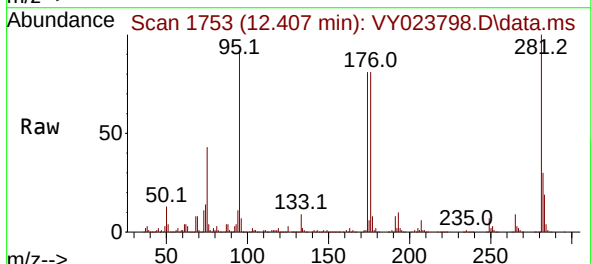
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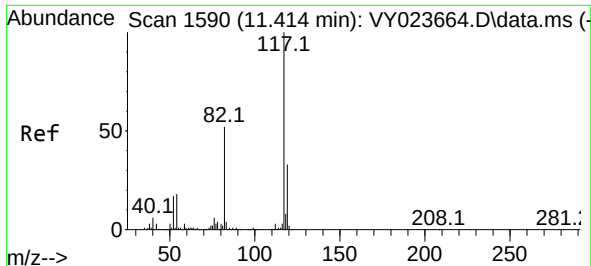
Tgt Ion: 98 Resp: 1290320
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 44.832 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023798.D
Acq: 24 Nov 2025 18:22

Tgt Ion: 95 Resp: 331218
Ion Ratio Lower Upper
95 100
174 87.5 0.0 184.8
176 86.5 0.0 181.6

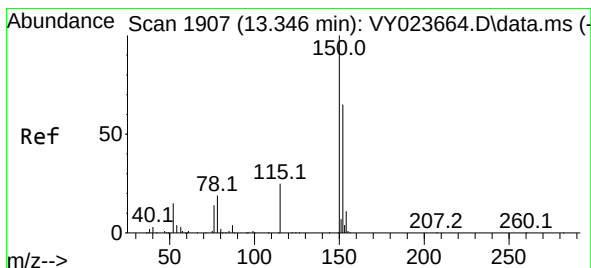
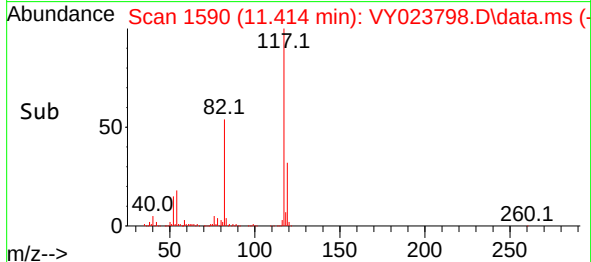
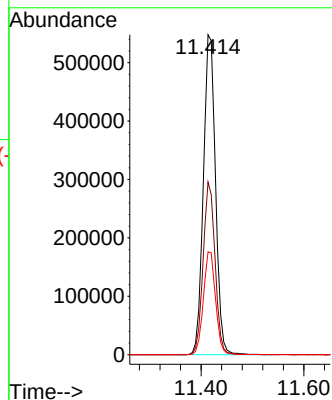
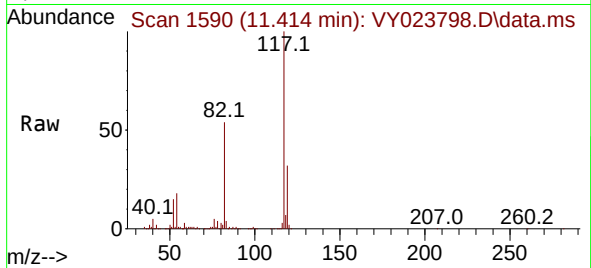




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023798.D
Acq: 24 Nov 2025 18:22

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-11-24-2025

Tgt Ion:117 Resp: 897104
Ion Ratio Lower Upper
117 100
82 53.9 41.2 61.8
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023798.D
Acq: 24 Nov 2025 18:22

Tgt Ion:152 Resp: 269469
Ion Ratio Lower Upper
152 100
115 57.9 27.5 82.5
150 157.3 0.0 349.0

