

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110725\
 Data File : VY023709.D
 Acq On : 07 Nov 2025 15:29
 Operator : SY/MD
 Sample : Q3580-01
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 346

Quant Time: Nov 08 03:28:34 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	762740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1105415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	690272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205694	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	181018	27.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	55.640%
35) Dibromofluoromethane	7.634	113	274375	39.718	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.440%
50) Toluene-d8	10.109	98	1155674	44.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.820%
62) 4-Bromofluorobenzene	12.408	95	227125	27.292	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.580%

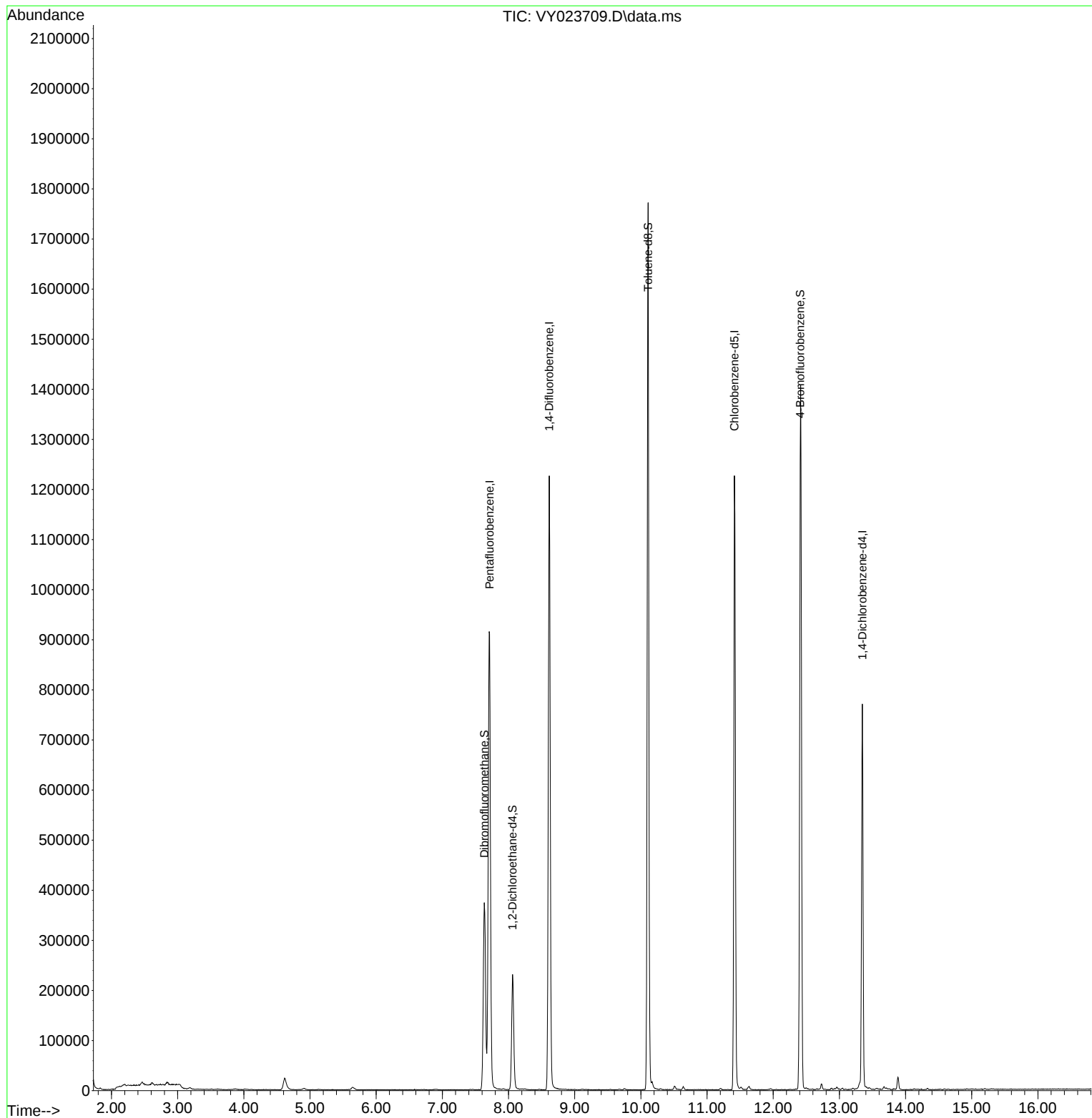
Target Compounds	Qvalue

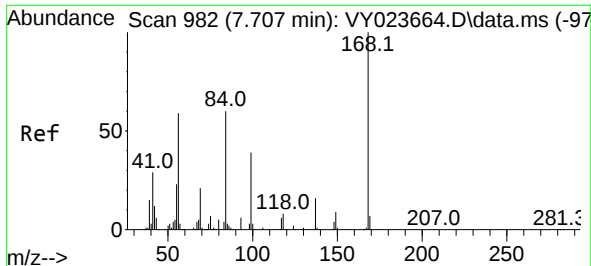
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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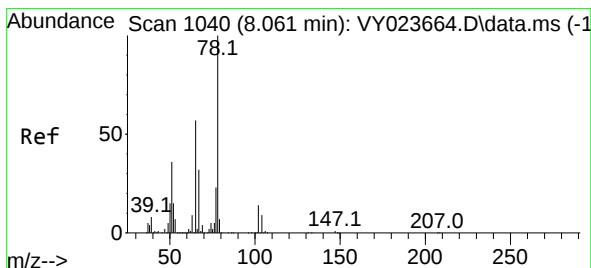
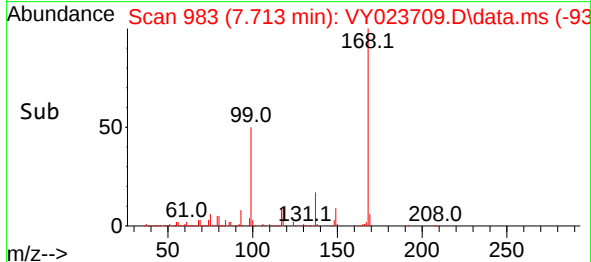
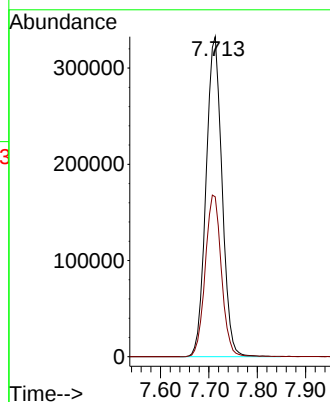
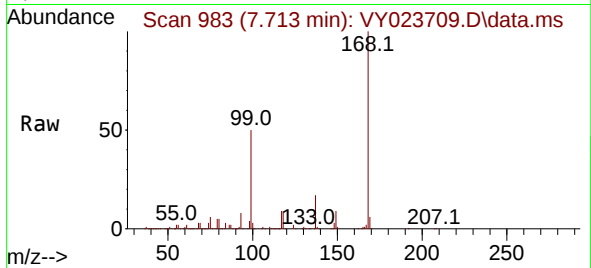




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023709.D
Acq: 07 Nov 2025 15:29

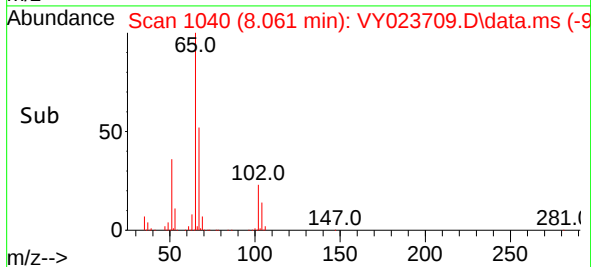
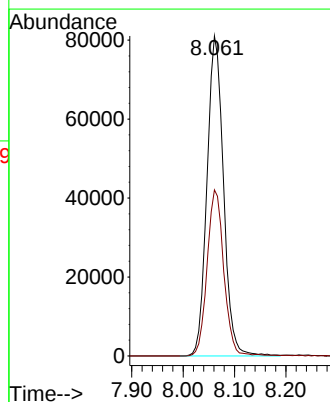
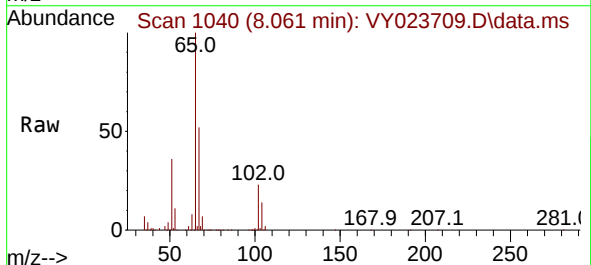
Instrument :
MSVOA_Y
ClientSampleId :
346

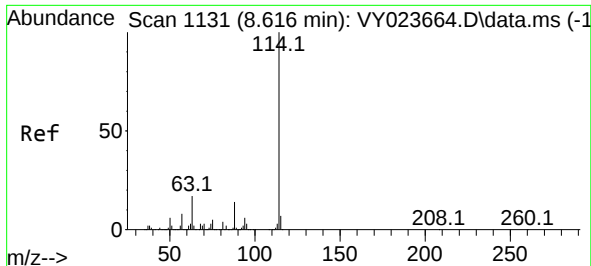
Tgt Ion:168 Resp: 762740
Ion Ratio Lower Upper
168 100
99 50.0 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 27.822 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023709.D
Acq: 07 Nov 2025 15:29

Tgt Ion: 65 Resp: 181018
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

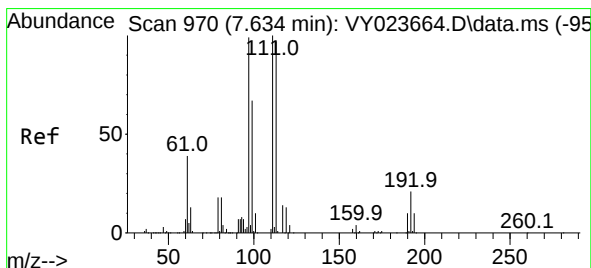
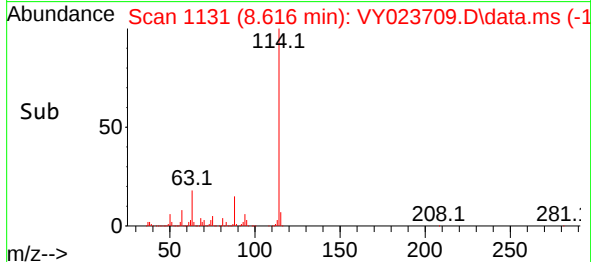
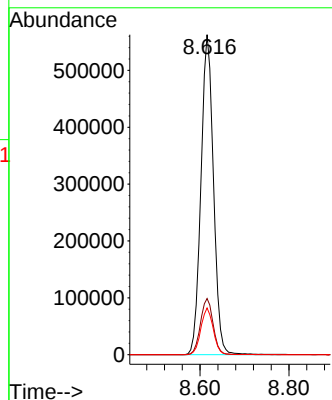
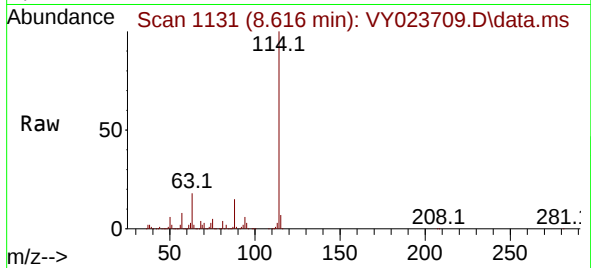




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023709.D
Acq: 07 Nov 2025 15:29

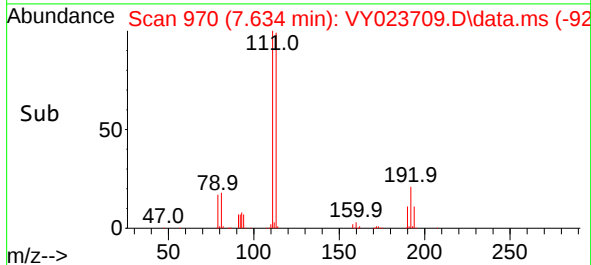
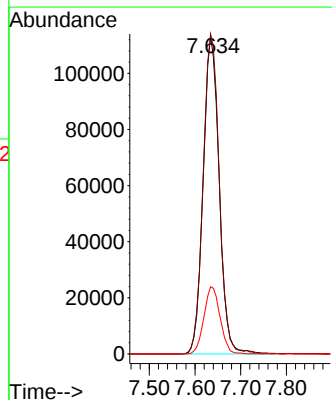
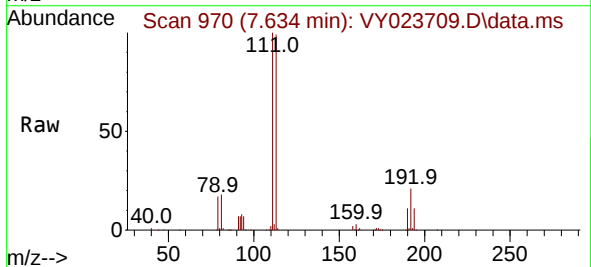
Instrument :
MSVOA_Y
ClientSampleId :
346

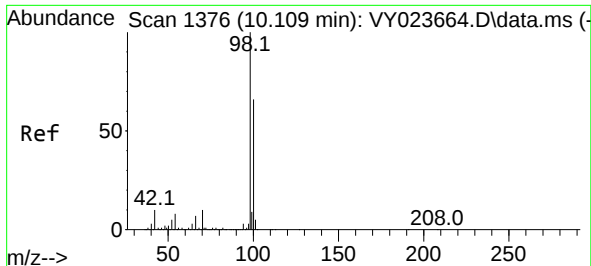
Tgt Ion:114 Resp: 1105415
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.8
88 14.6 0.0 29.0



#35
Dibromofluoromethane
Concen: 39.718 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023709.D
Acq: 07 Nov 2025 15:29

Tgt Ion:113 Resp: 274375
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 21.4 17.3 25.9

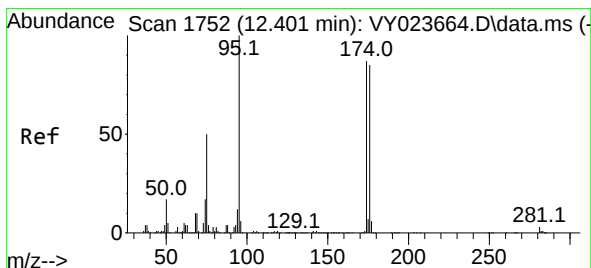
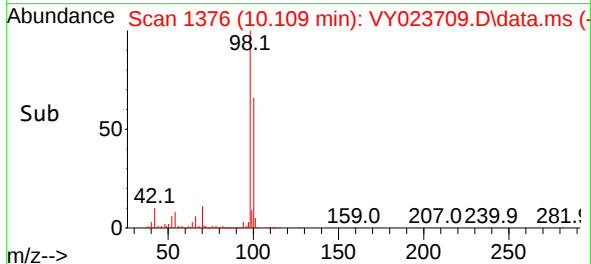
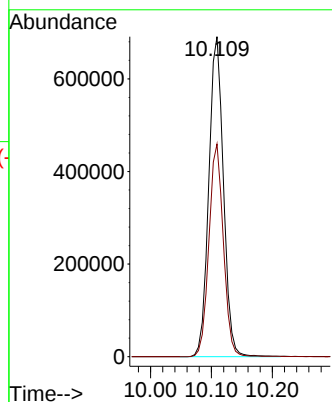
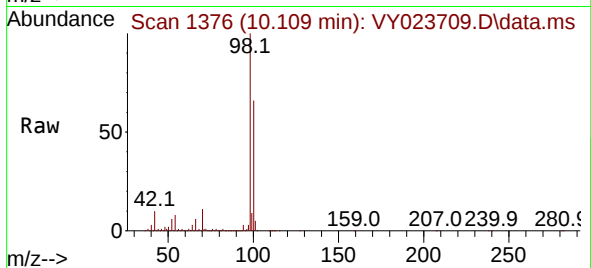




#50
Toluene-d8
Concen: 44.910 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023709.D
Acq: 07 Nov 2025 15:29

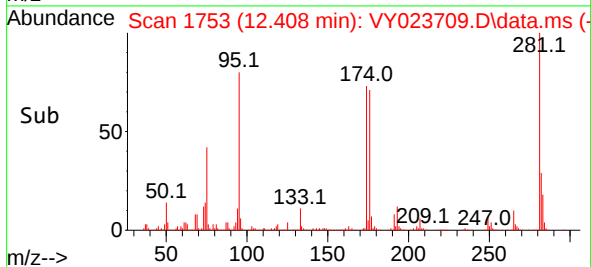
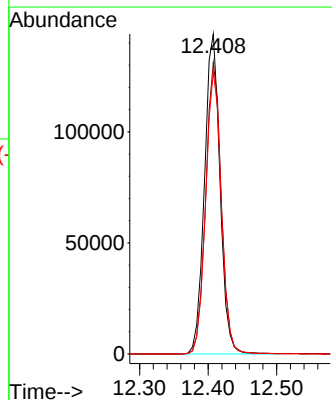
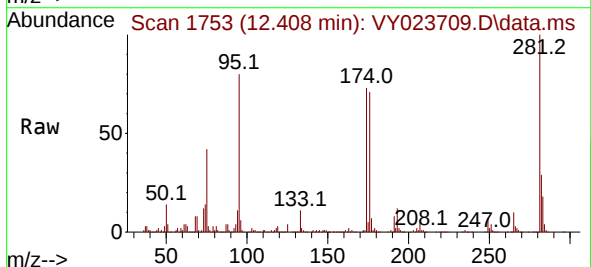
Instrument :
MSVOA_Y
ClientSampleId :
346

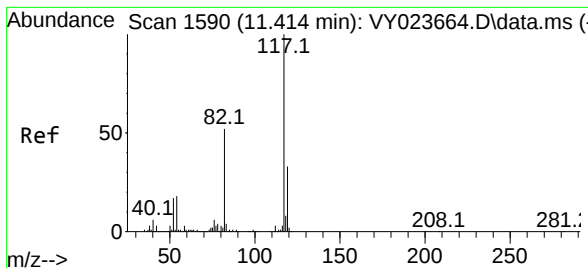
Tgt Ion: 98 Resp: 1155674
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 27.292 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023709.D
Acq: 07 Nov 2025 15:29

Tgt Ion: 95 Resp: 227125
Ion Ratio Lower Upper
95 100
174 91.4 0.0 184.8
176 88.8 0.0 181.6

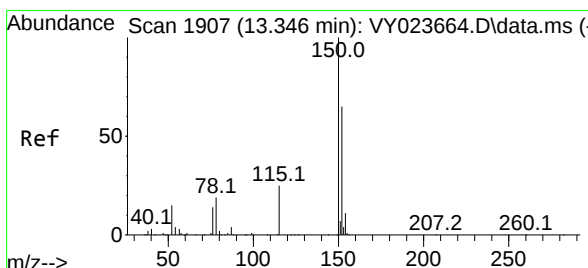
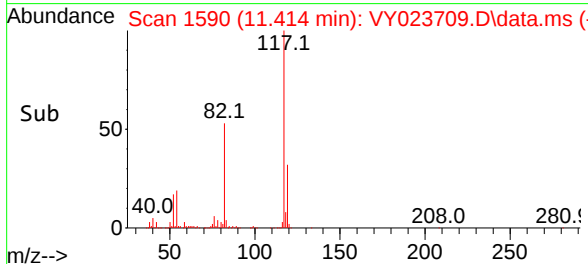
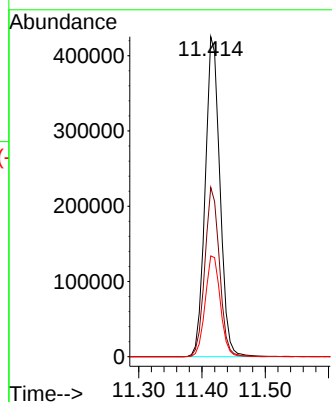
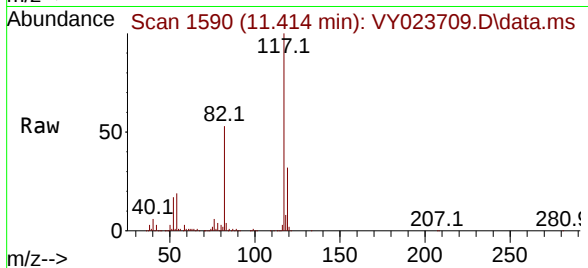




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023709.D
Acq: 07 Nov 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
346

Tgt Ion:117 Resp: 690272
Ion Ratio Lower Upper
117 100
82 52.9 41.2 61.8
119 31.5 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: VY023709.D
Acq: 07 Nov 2025 15:29

Tgt Ion:152 Resp: 205694
Ion Ratio Lower Upper
152 100
115 56.8 27.5 82.5
150 156.9 0.0 349.0

