

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023971.D
 Acq On : 15 Dec 2025 13:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 16 02:14:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	815544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	1361152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1151543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	485806	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	375898	52.131	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.260%
35) Dibromofluoromethane	7.646	113	429029	48.218	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.440%
50) Toluene-d8	10.115	98	1515398	45.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.414	95	454035	41.041	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.080%

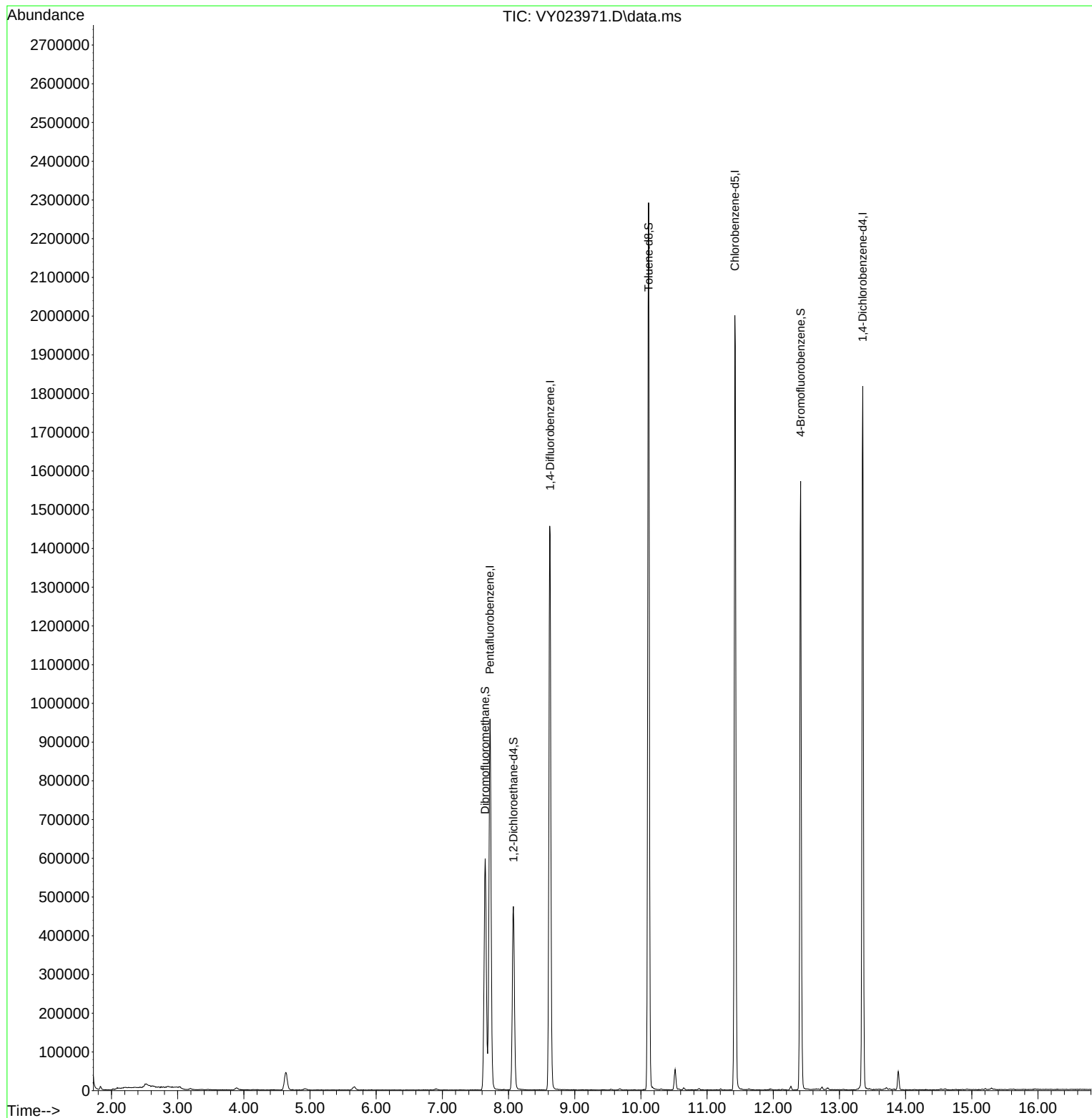
Target Compounds	Qvalue

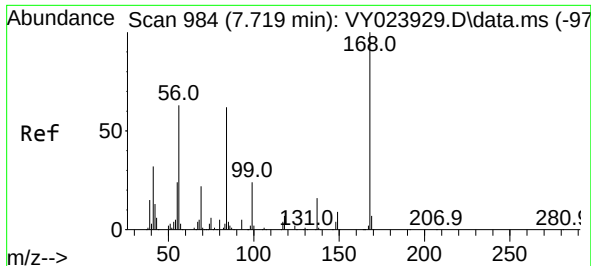
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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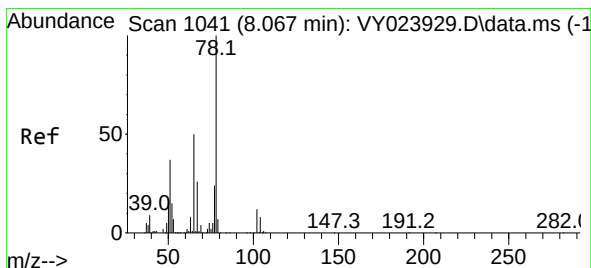
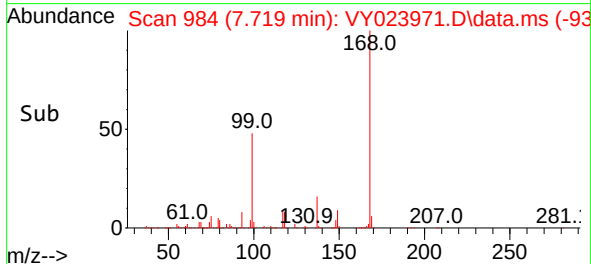
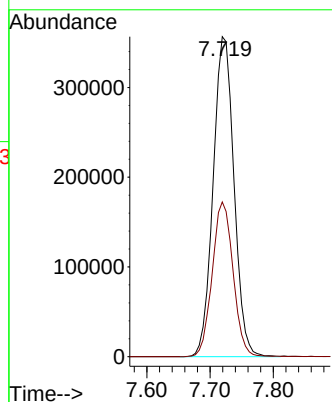
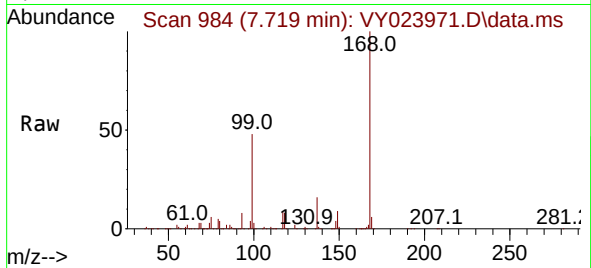




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

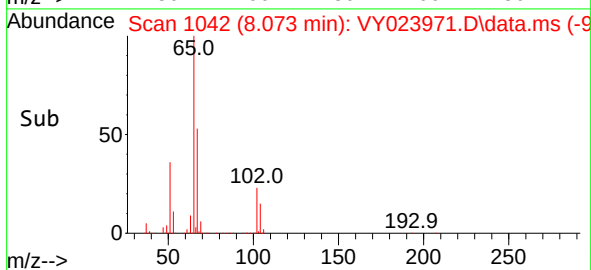
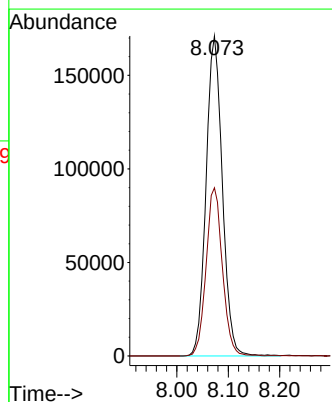
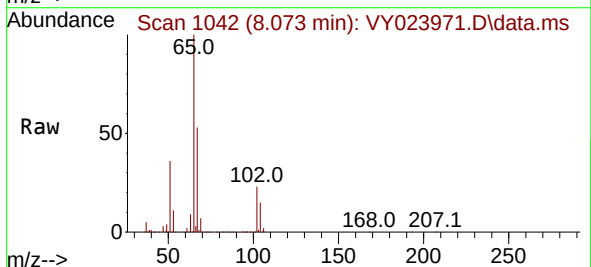
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

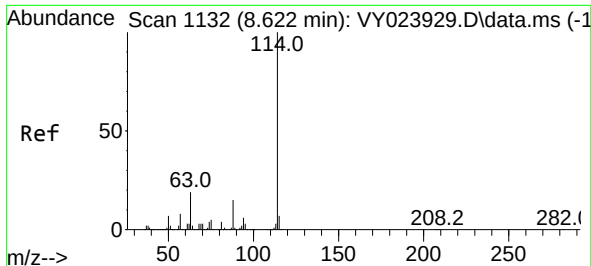
Tgt Ion:168 Resp: 815544
Ion Ratio Lower Upper
168 100
99 48.3 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 52.131 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion: 65 Resp: 375898
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.2

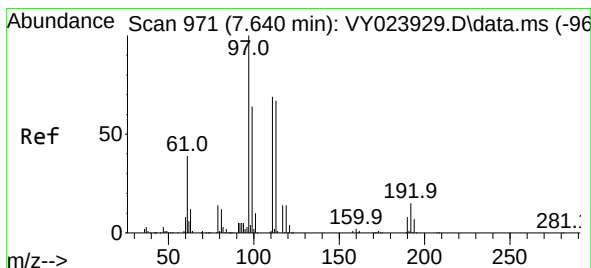
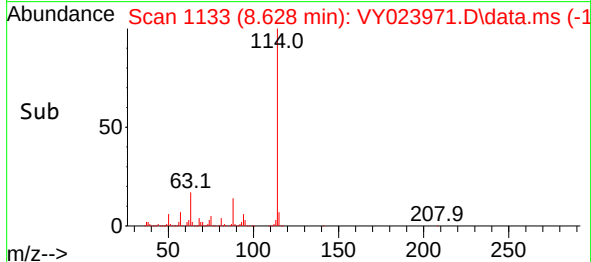
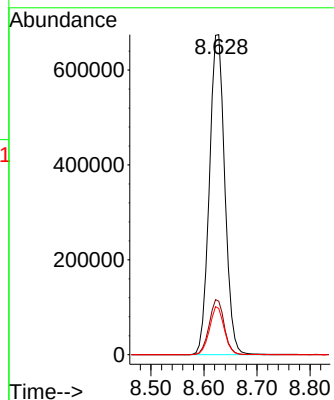
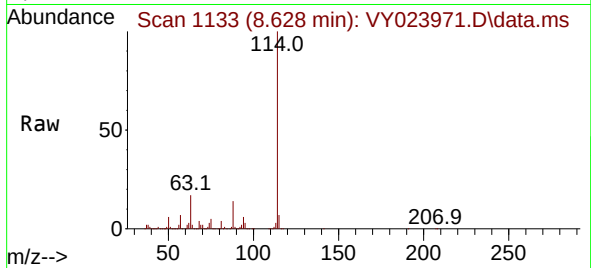




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

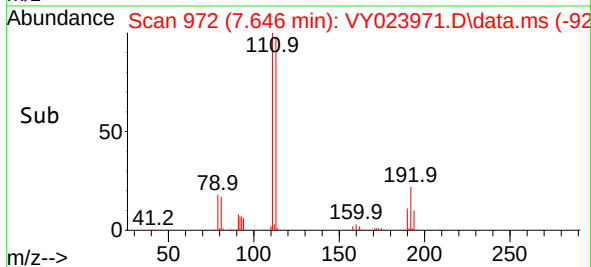
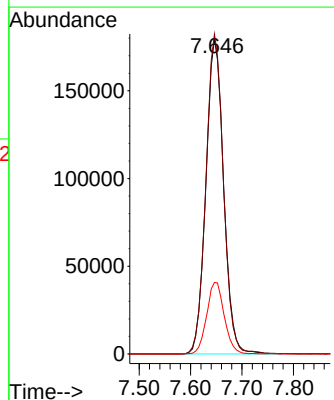
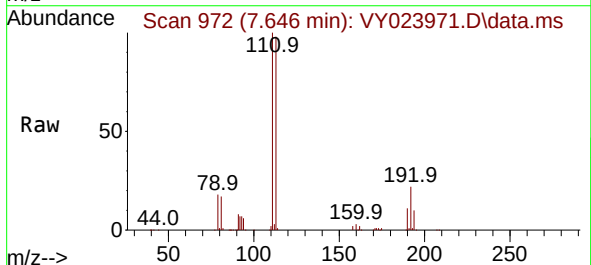
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

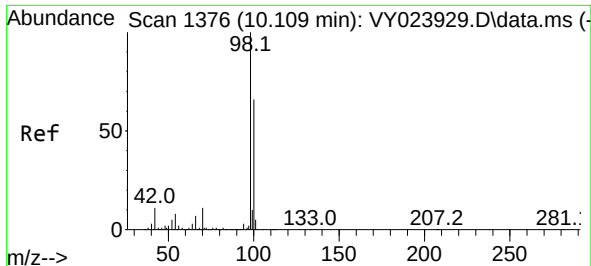
Tgt Ion:114 Resp: 1361152
Ion Ratio Lower Upper
114 100
63 16.7 0.0 37.2
88 14.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.218 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion:113 Resp: 429029
Ion Ratio Lower Upper
113 100
111 100.9 82.4 123.6
192 22.7 17.9 26.9

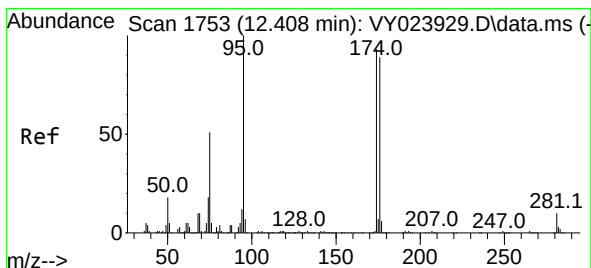
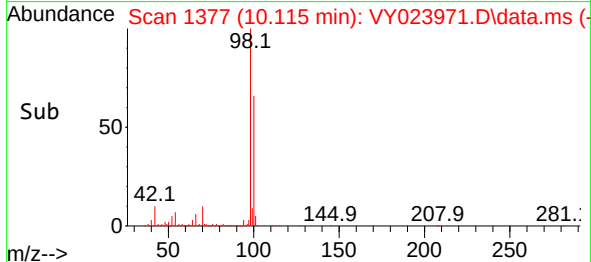
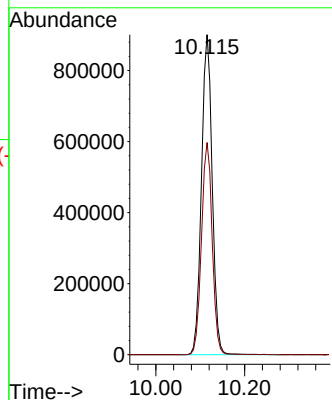
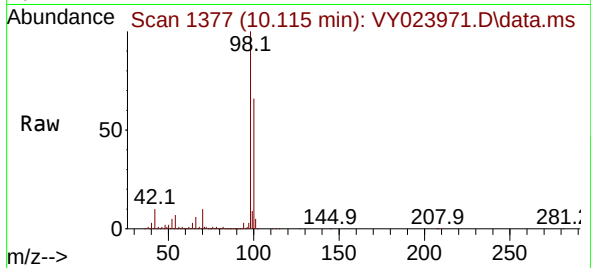




#50
Toluene-d8
Concen: 45.745 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

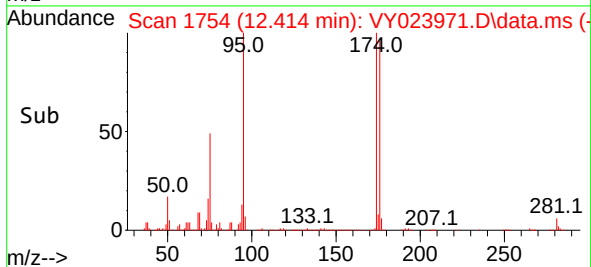
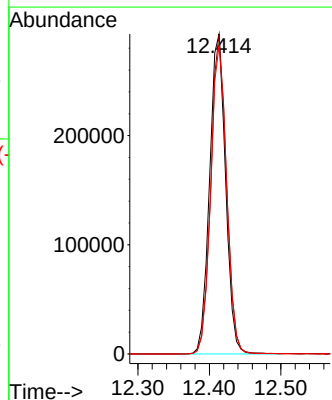
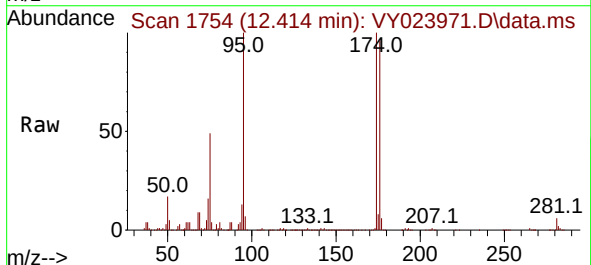
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

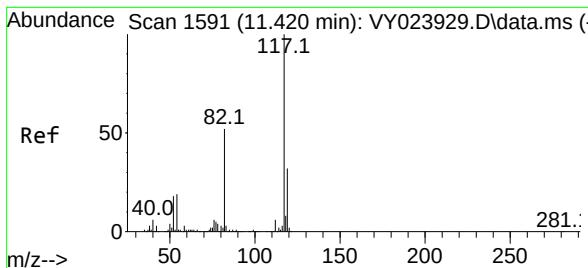
Tgt Ion: 98 Resp: 1515398
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.041 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion: 95 Resp: 454035
Ion Ratio Lower Upper
95 100
174 97.9 0.0 187.4
176 95.8 0.0 179.6

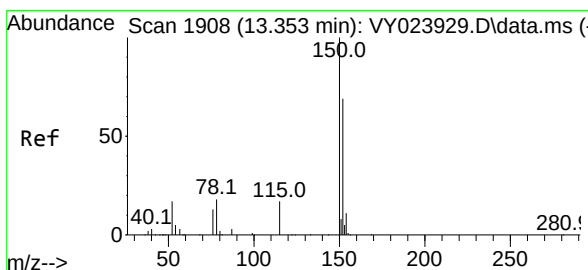
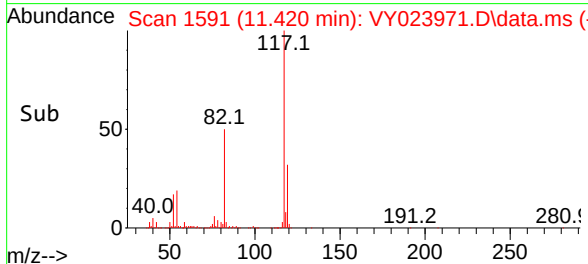
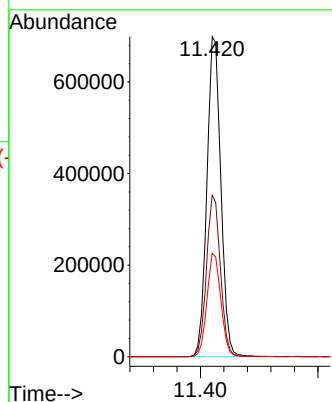
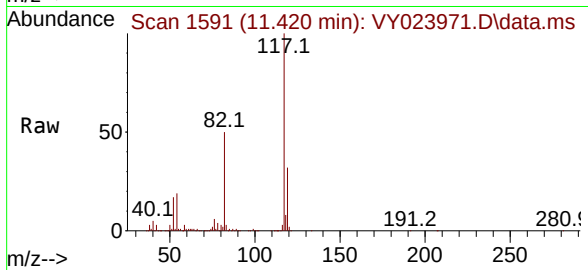




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1151543
Ion Ratio Lower Upper
117 100
82 50.5 41.4 62.2
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion:152 Resp: 485806
Ion Ratio Lower Upper
152 100
115 54.1 27.3 81.9
150 157.0 0.0 347.6

