

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022607.D
 Acq On : 06 Jun 2025 18:00
 Operator : SY/MD
 Sample : Q2218-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11934

Quant Time: Jun 06 23:46:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	298406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	546092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	448685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	169312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160902	48.210	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.420%
35) Dibromofluoromethane	7.628	113	162887	49.973	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.940%
50) Toluene-d8	10.103	98	668942	50.791	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.580%
62) 4-Bromofluorobenzene	12.401	95	166579	42.450	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.900%

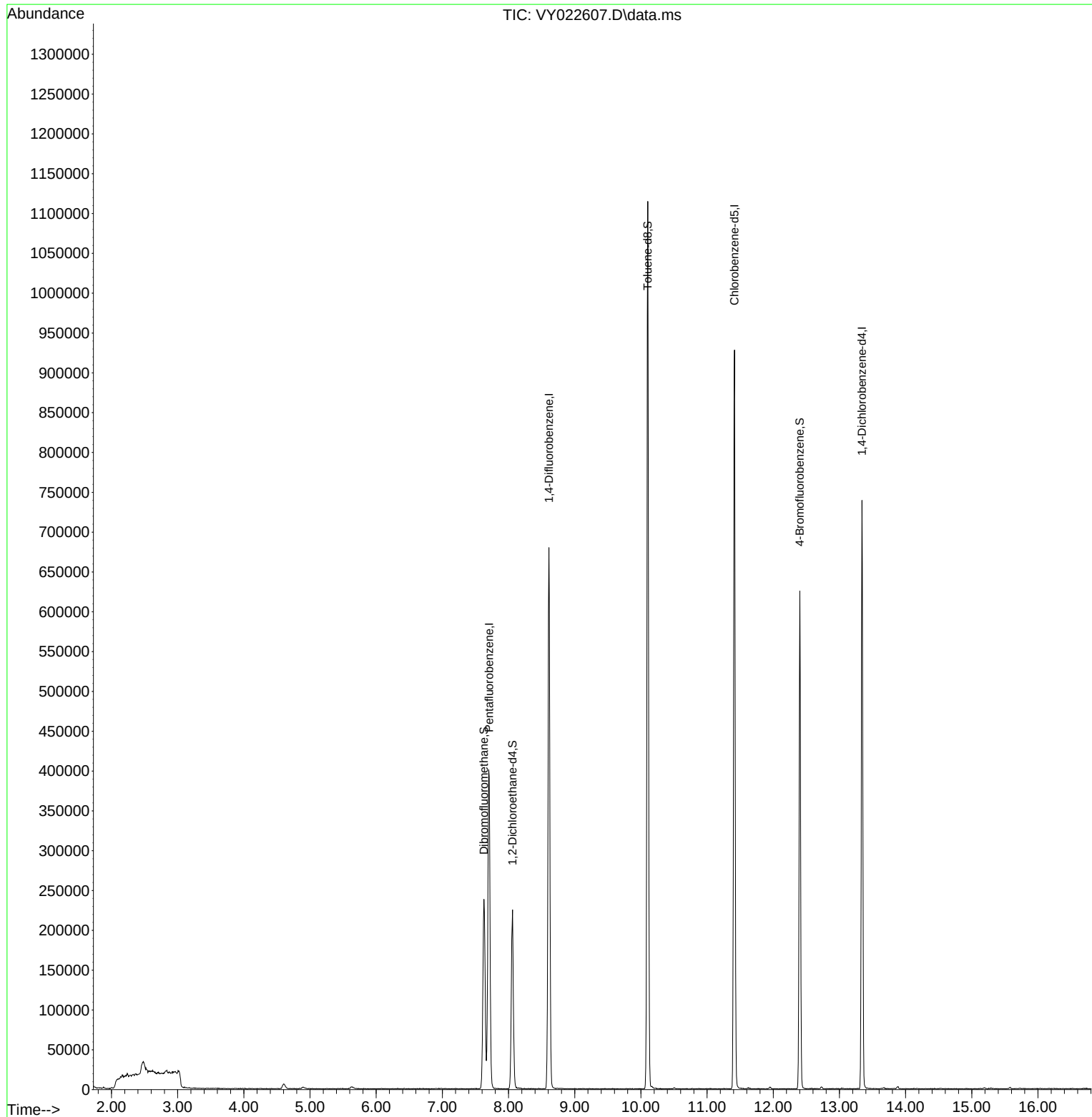
Target Compounds	Qvalue

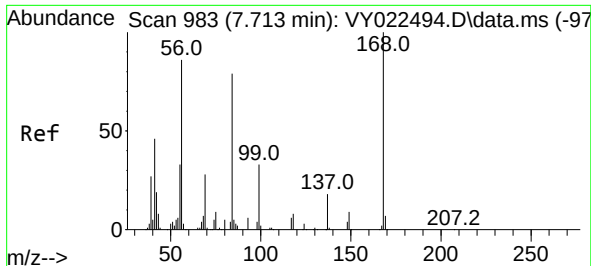
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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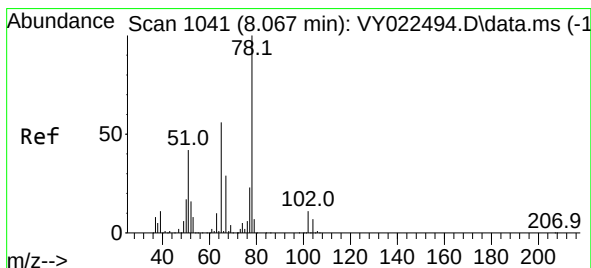
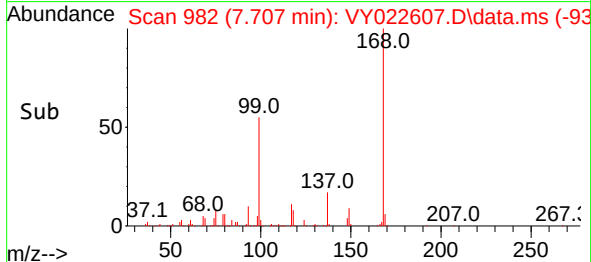
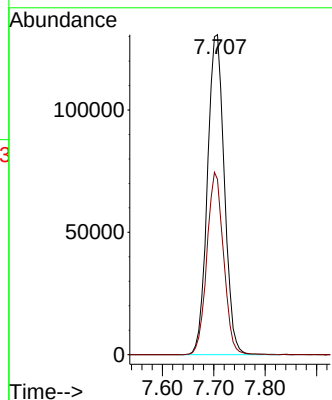
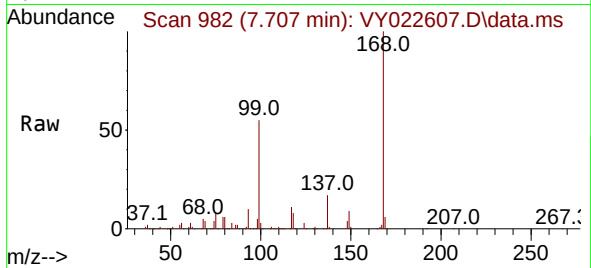




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

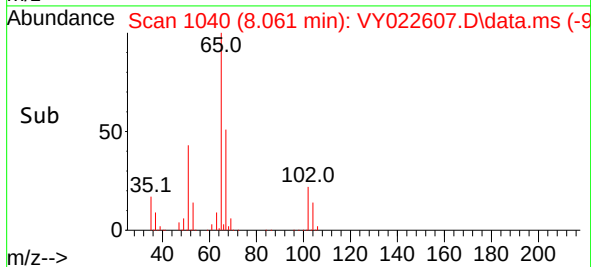
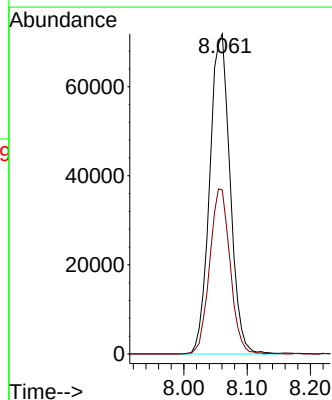
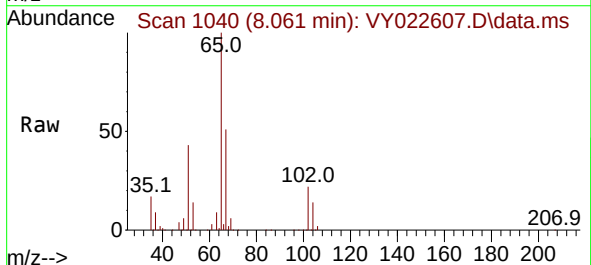
Instrument :
MSVOA_Y
ClientSampleId :
72-11934

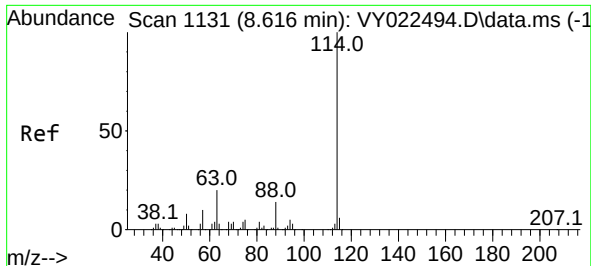
Tgt Ion:168 Resp: 298406
Ion Ratio Lower Upper
168 100
99 54.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.210 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

Tgt Ion: 65 Resp: 160902
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

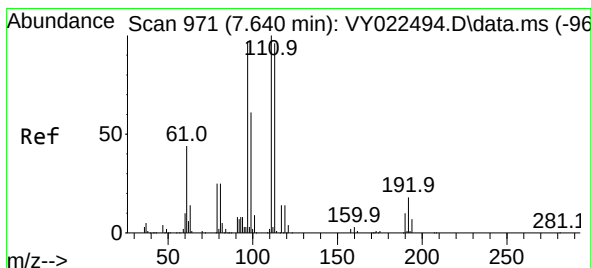
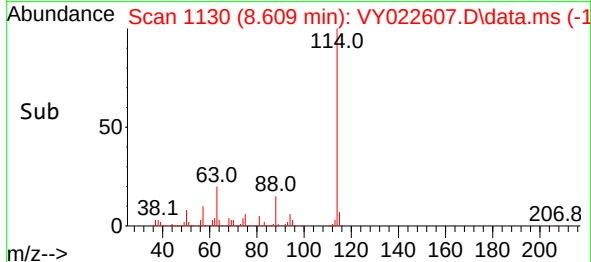
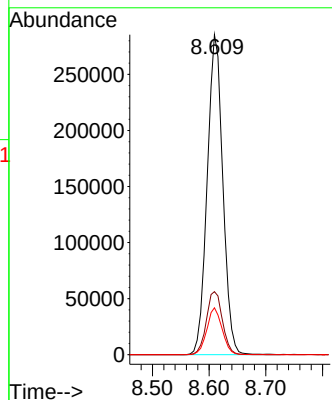
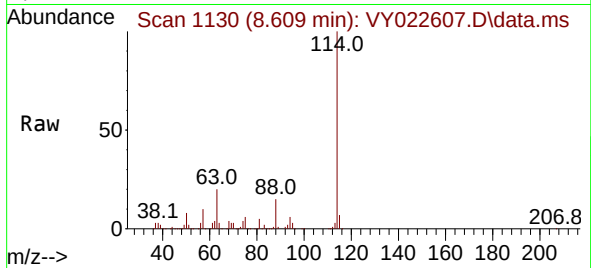




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

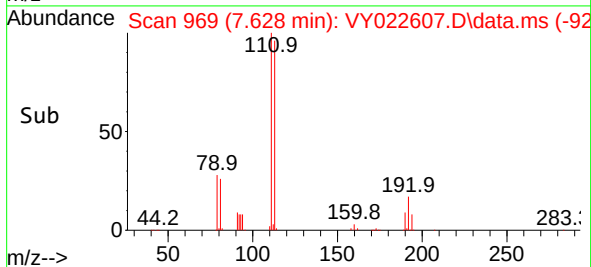
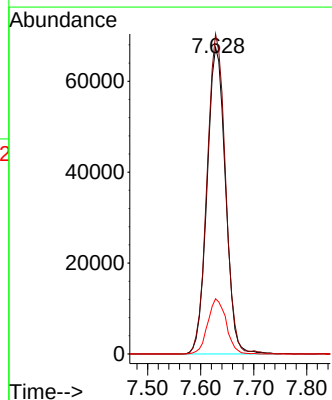
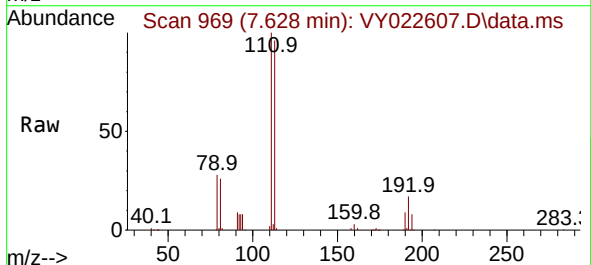
Instrument :
MSVOA_Y
ClientSampleId :
72-11934

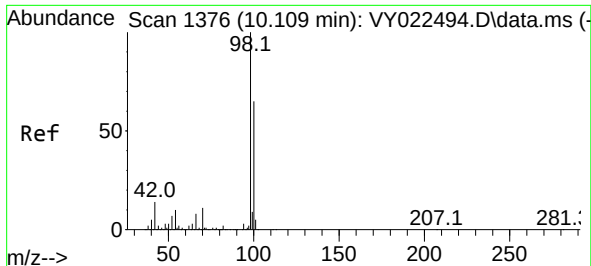
Tgt Ion:114 Resp: 546092
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 14.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.973 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

Tgt Ion:113 Resp: 162887
Ion Ratio Lower Upper
113 100
111 104.2 81.1 121.7
192 18.0 14.2 21.2

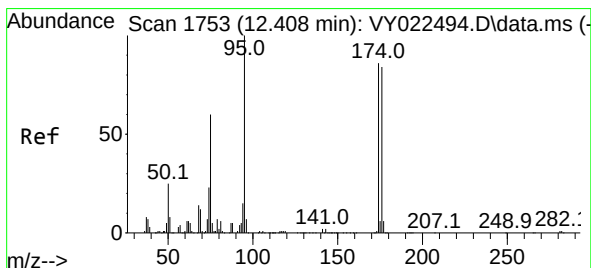
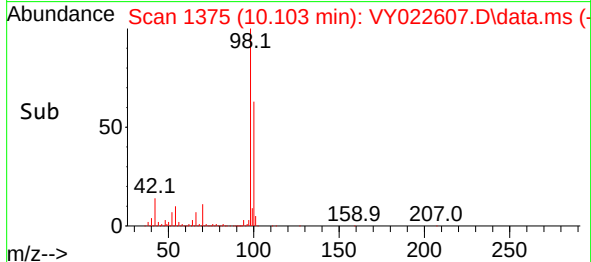
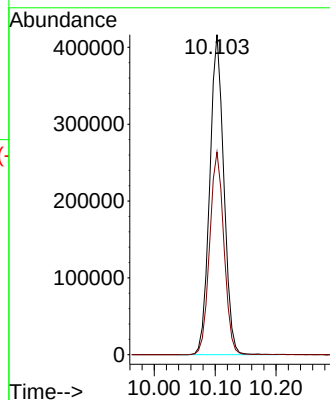
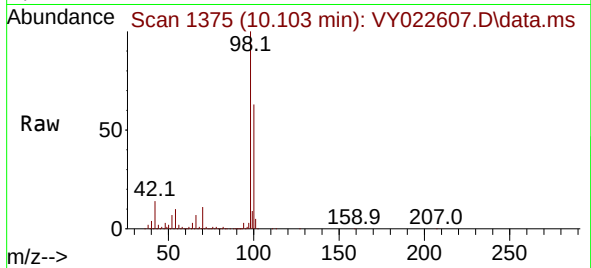




#50
Toluene-d8
Concen: 50.791 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

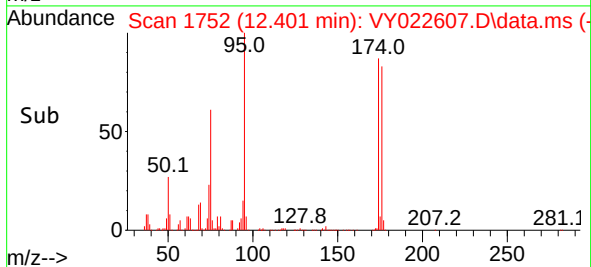
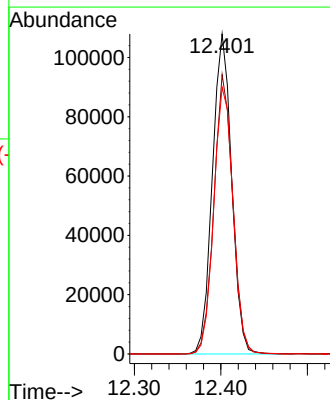
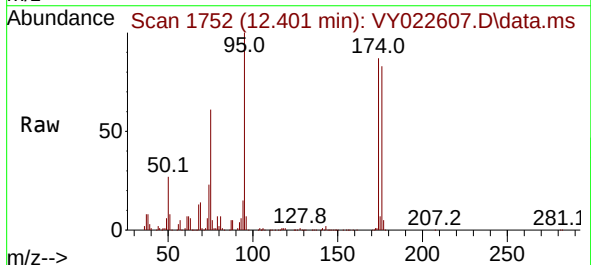
Instrument :
MSVOA_Y
ClientSampleId :
72-11934

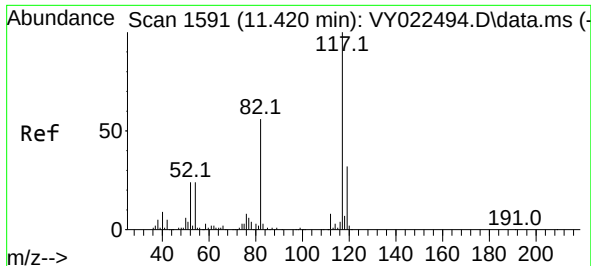
Tgt Ion: 98 Resp: 668942
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.450 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

Tgt Ion: 95 Resp: 166579
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 83.8 0.0 166.2

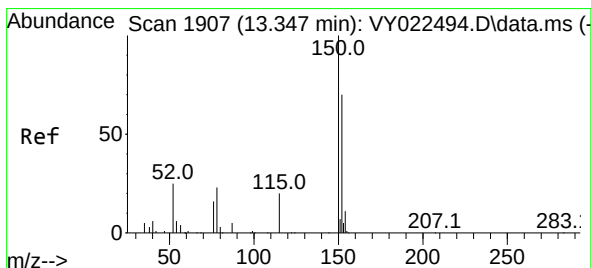
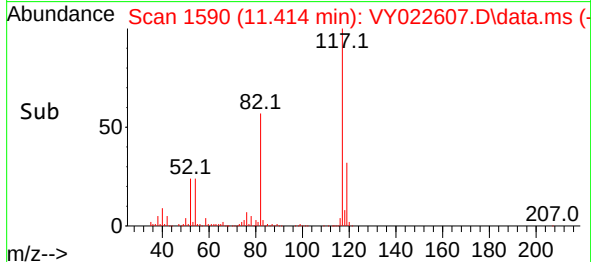
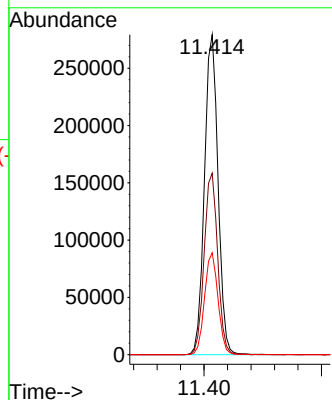
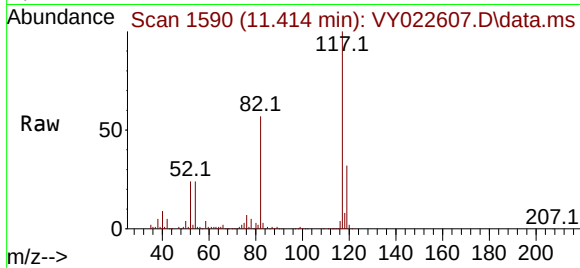




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

Instrument :
MSVOA_Y
ClientSampleId :
72-11934

Tgt Ion:117 Resp: 448685
Ion Ratio Lower Upper
117 100
82 56.7 44.6 66.8
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022607.D
Acq: 06 Jun 2025 18:00

Tgt Ion:152 Resp: 169312
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 154.6 0.0 349.6

