

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023595.D
 Acq On : 27 Oct 2025 15:24
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 28 04:39:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	779237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1283589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1025604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	398294	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	311136	47.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.500%
35) Dibromofluoromethane	7.640	113	387326	49.109	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.109	98	1408522	47.954	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.900%
62) 4-Bromofluorobenzene	12.407	95	370498	38.207	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.420%

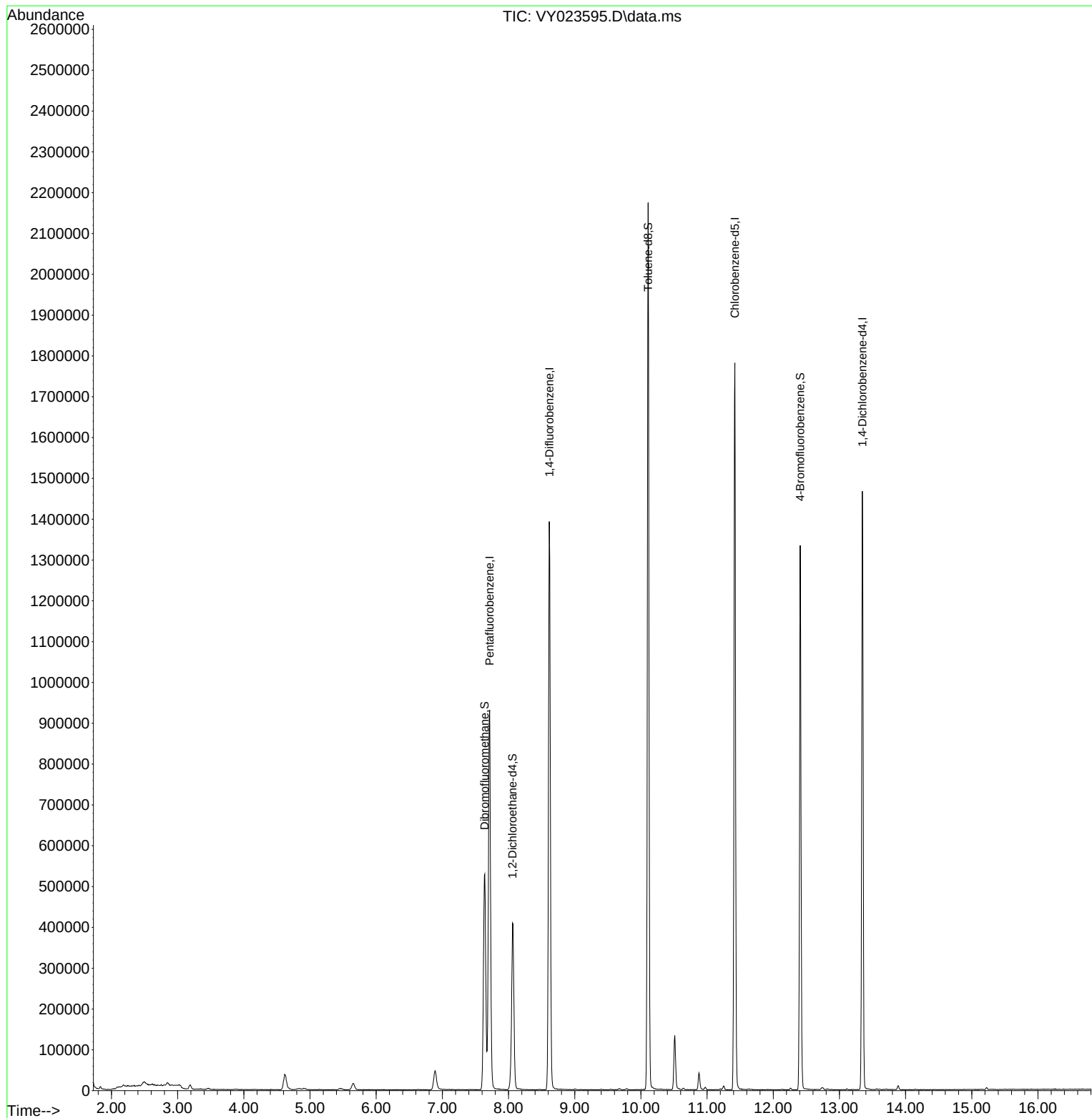
Target Compounds	Qvalue

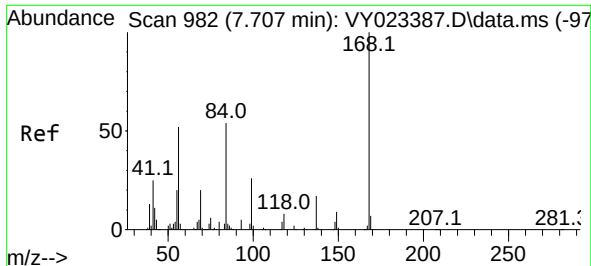
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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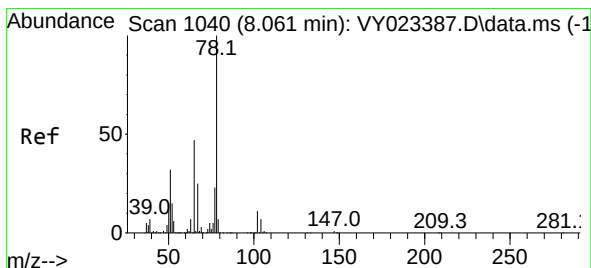
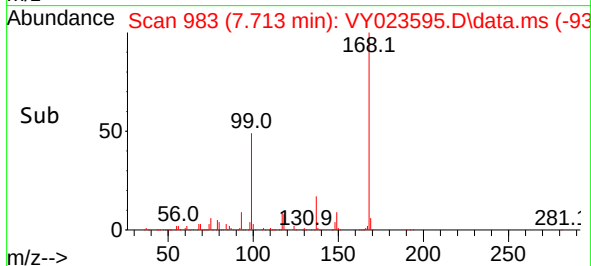
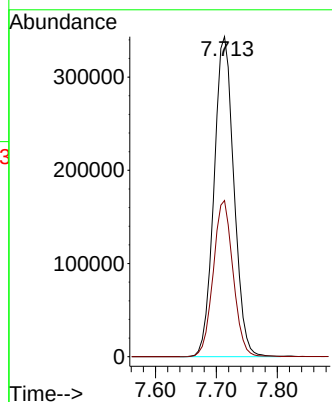
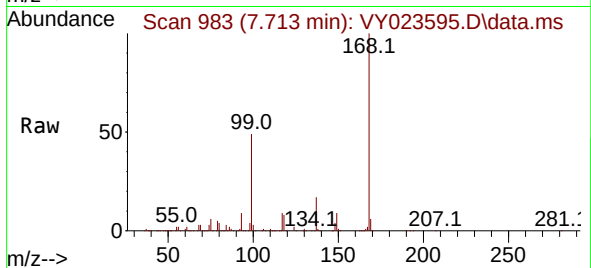




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

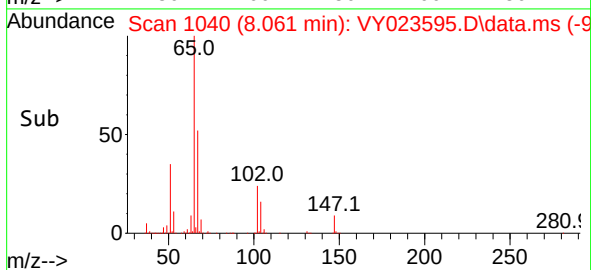
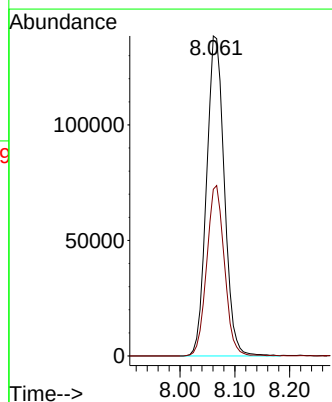
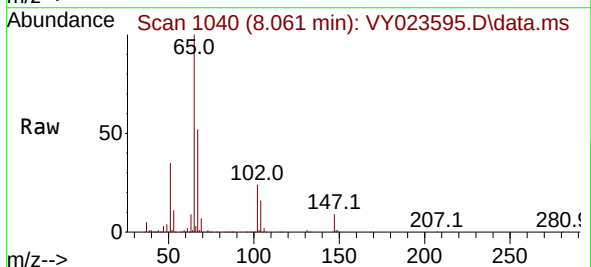
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

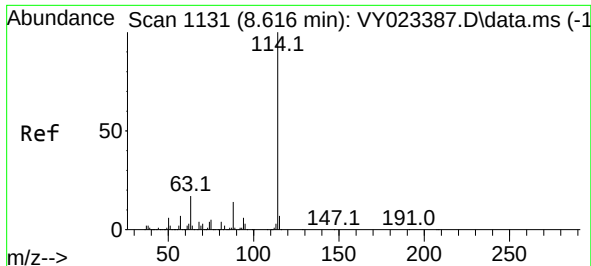
Tgt Ion:168 Resp: 779237
Ion Ratio Lower Upper
168 100
99 48.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 47.749 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 65 Resp: 311136
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

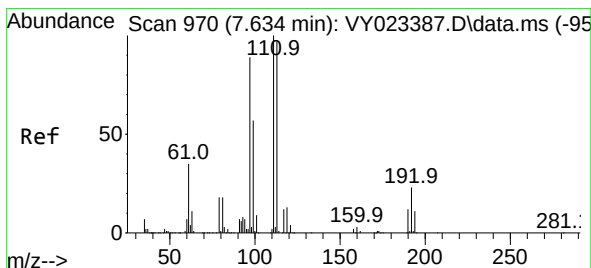
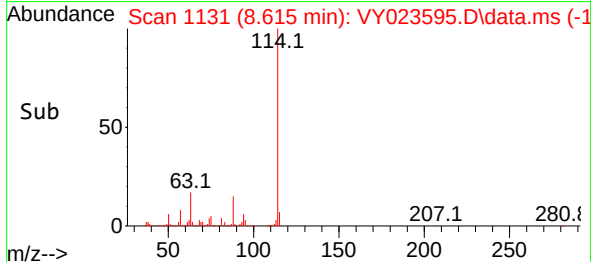
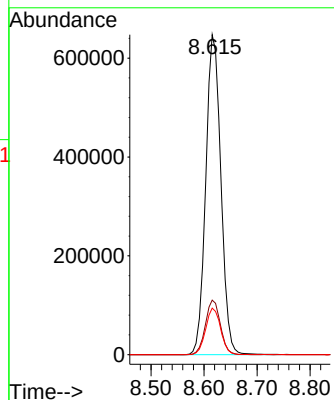
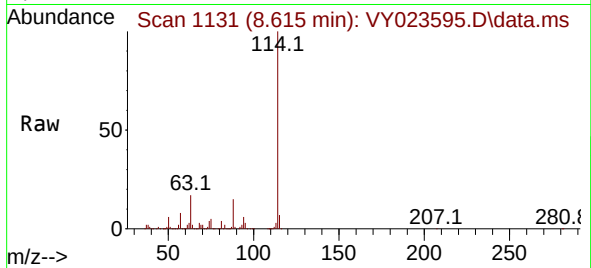




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

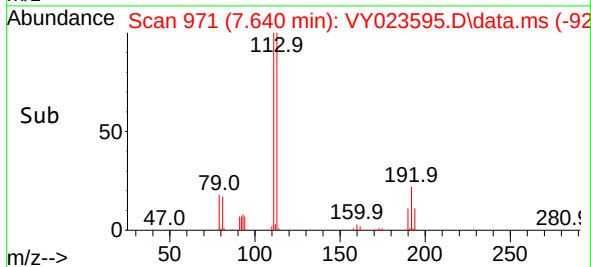
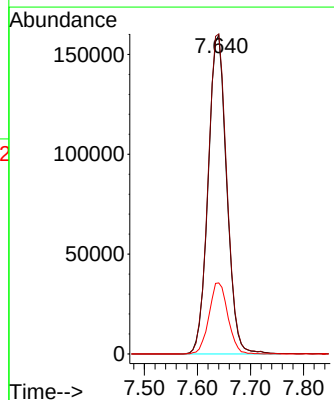
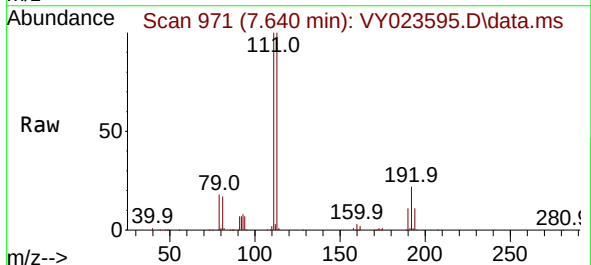
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

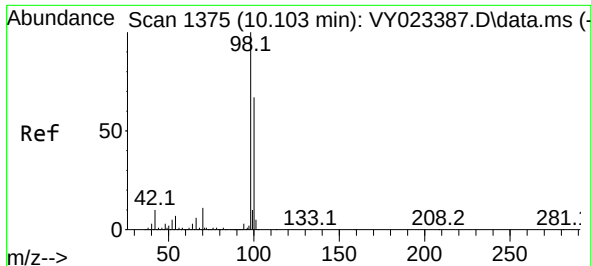
Tgt Ion:114 Resp: 1283589
Ion Ratio Lower Upper
114 100
63 17.0 0.0 34.2
88 14.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.109 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion:113 Resp: 387326
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.7 18.0 27.0

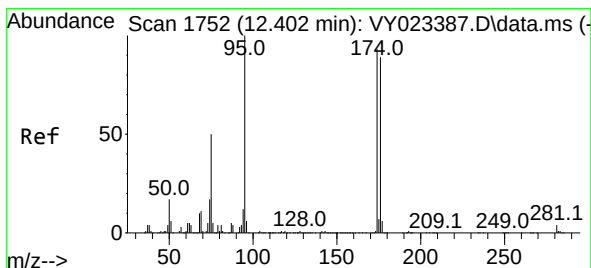
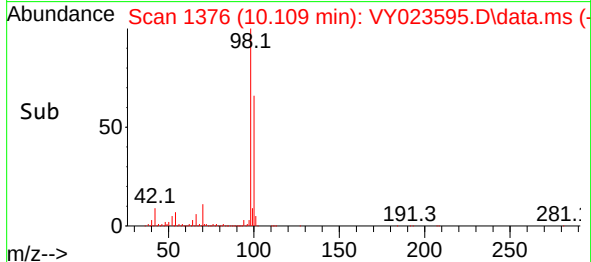
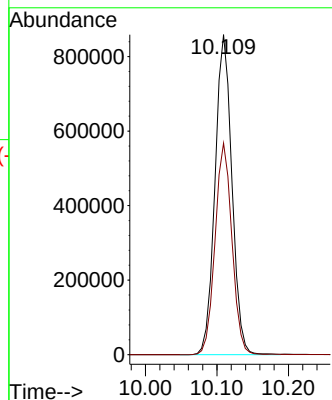
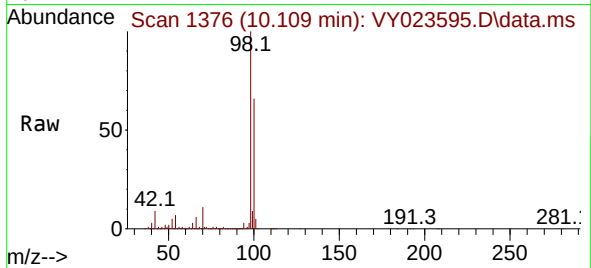




#50
Toluene-d8
Concen: 47.954 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

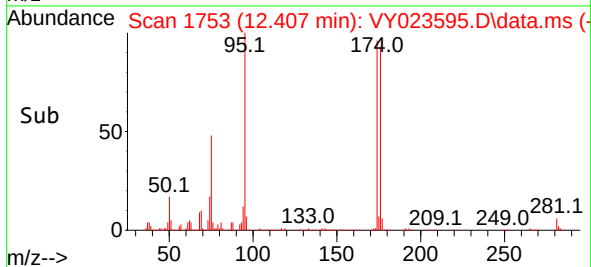
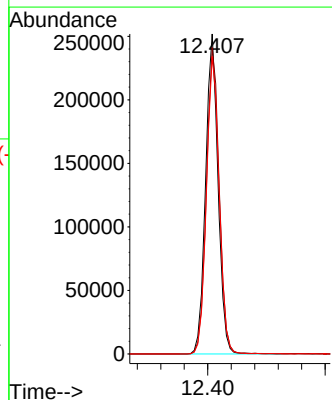
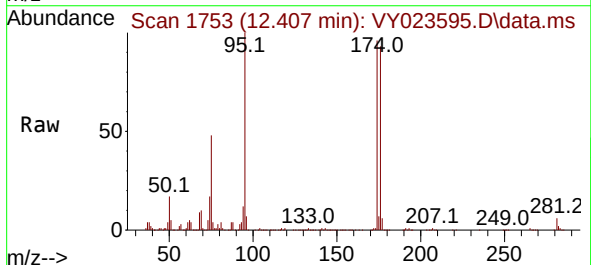
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

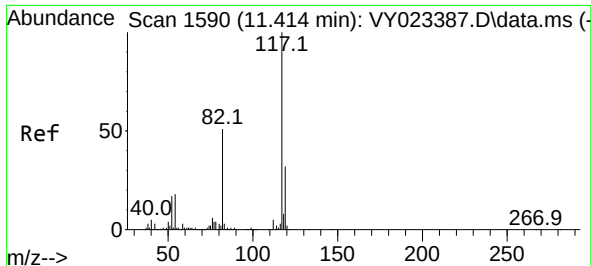
Tgt Ion: 98 Resp: 1408522
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 38.207 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 95 Resp: 370498
Ion Ratio Lower Upper
95 100
174 98.9 0.0 192.8
176 95.0 0.0 187.6

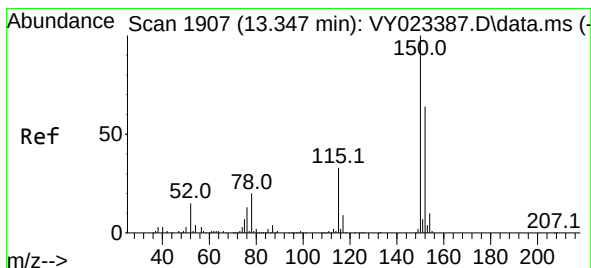
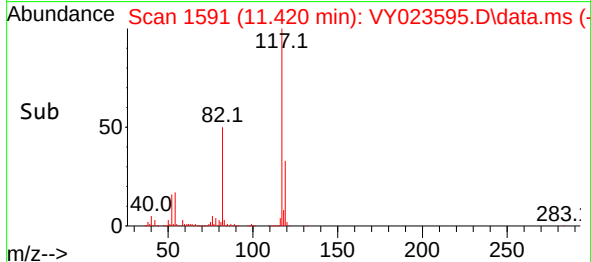
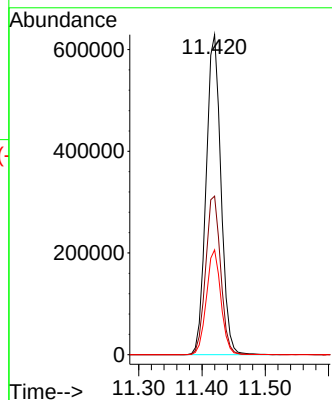
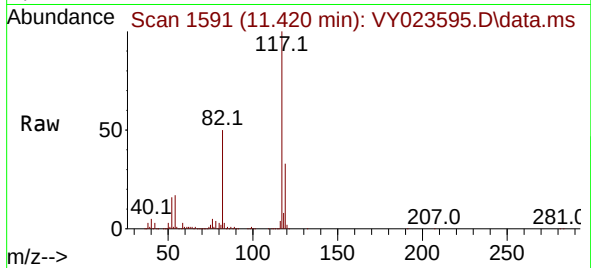




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1025604
Ion Ratio Lower Upper
117 100
82 49.6 41.0 61.4
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion:152 Resp: 398294
Ion Ratio Lower Upper
152 100
115 54.0 27.1 81.2
150 157.3 0.0 347.4

