

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023283.D
 Acq On : 04 Sep 2025 12:45
 Operator : SY/MD
 Sample : Q3011-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Sep 05 04:24:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	610249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1163003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1050657	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	420392	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	327583	56.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.640%
35) Dibromofluoromethane	7.634	113	383350	55.087	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.180%
50) Toluene-d8	10.109	98	1392050	51.205	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.400%
62) 4-Bromofluorobenzene	12.407	95	409733	46.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.720%

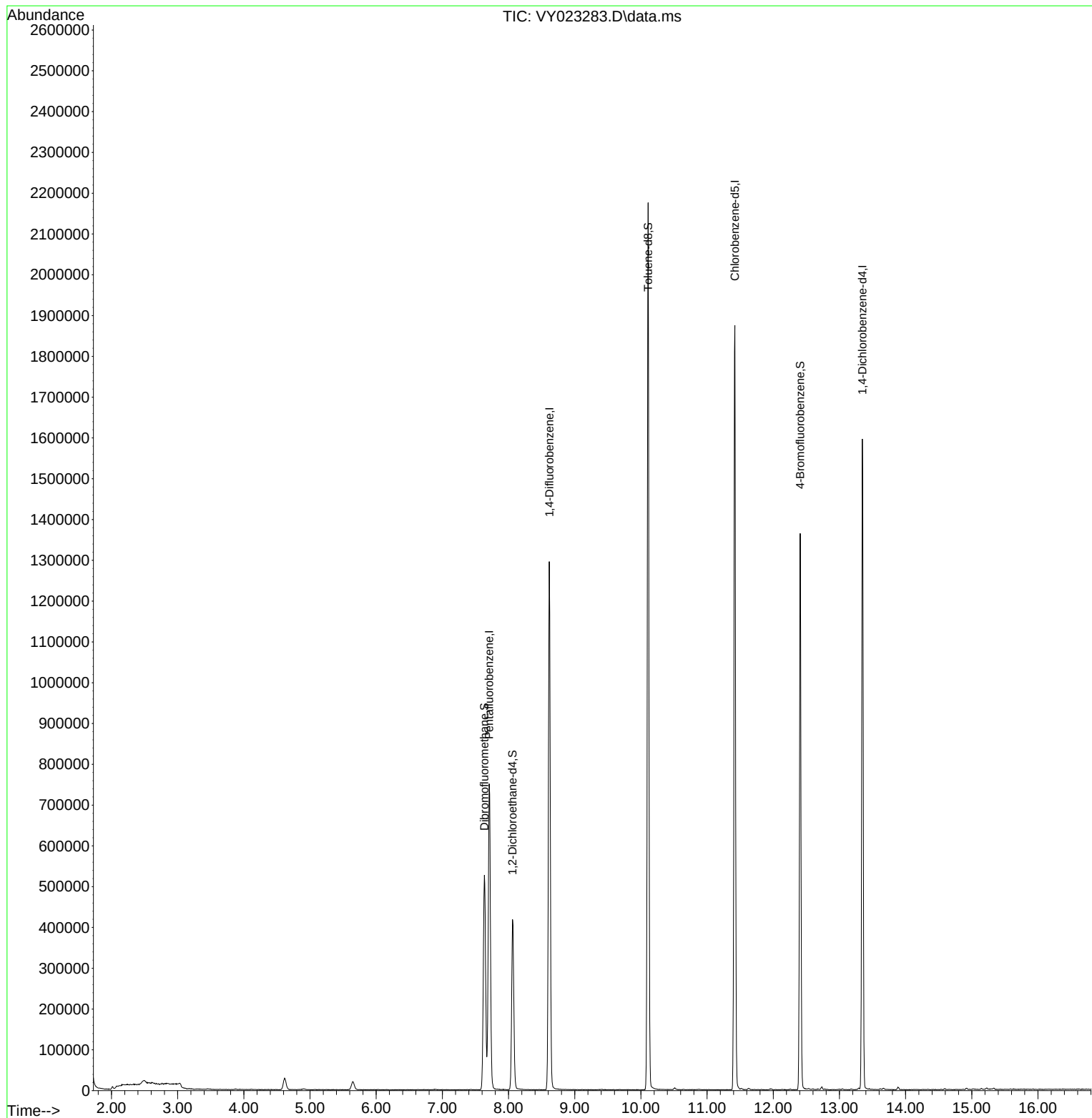
Target Compounds	Qvalue

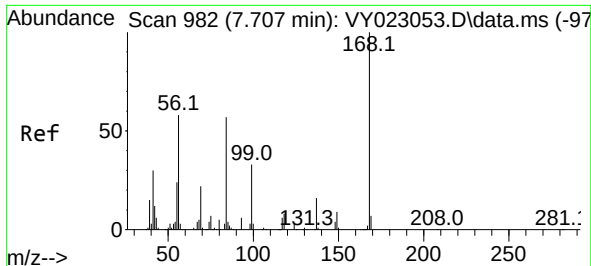
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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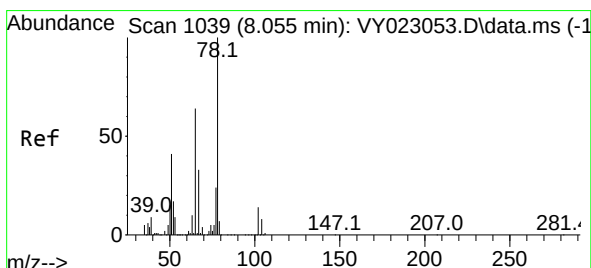
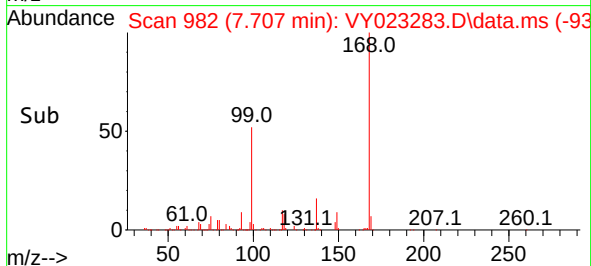
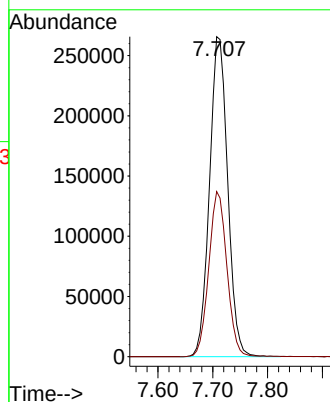
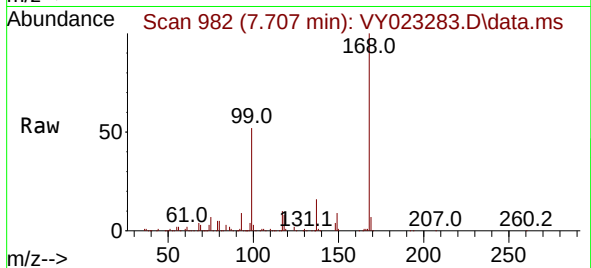




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

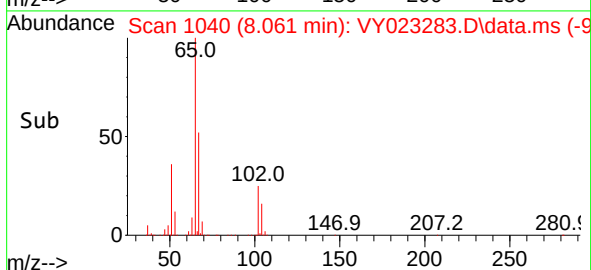
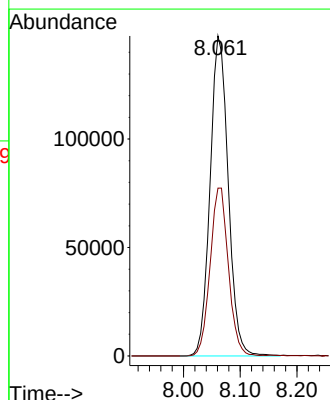
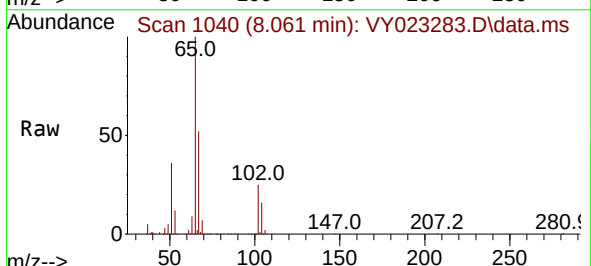
Instrument :
MSVOA_Y
ClientSampleId :
VOC

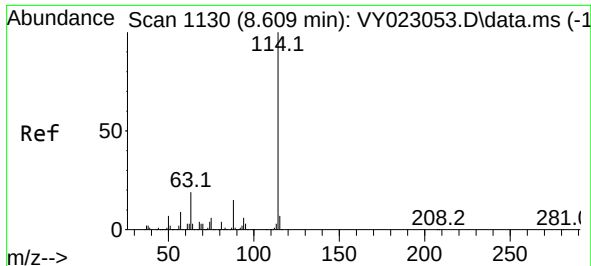
Tgt Ion:168 Resp: 610249
Ion Ratio Lower Upper
168 100
99 51.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.324 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

Tgt Ion: 65 Resp: 327583
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

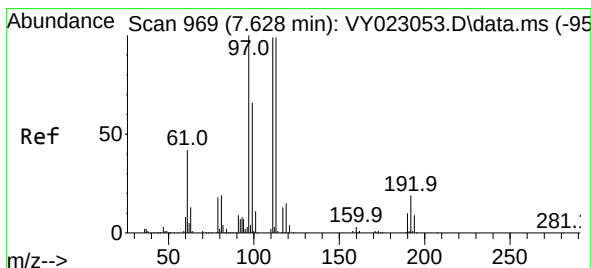
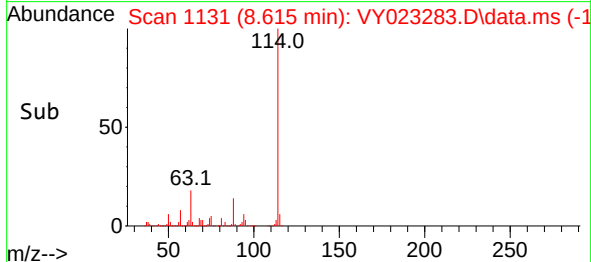
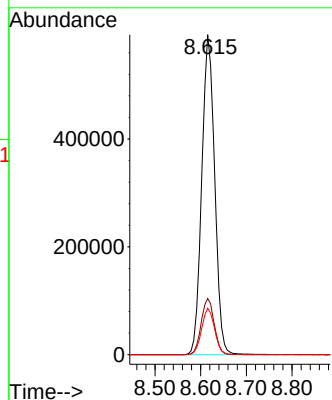
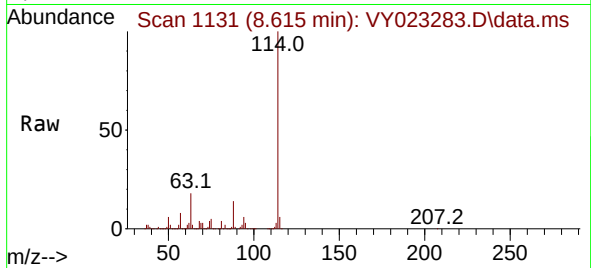




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

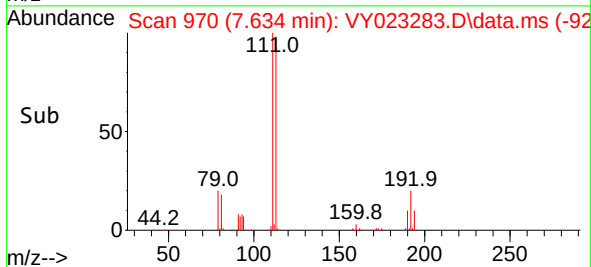
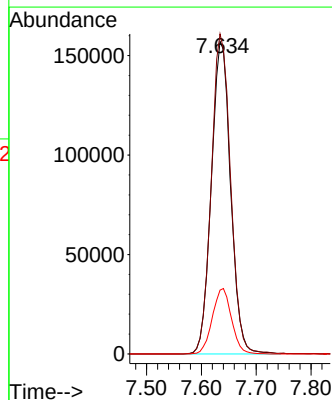
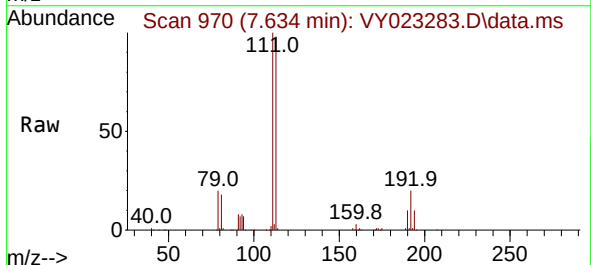
Instrument :
MSVOA_Y
ClientSampleId :
VOC

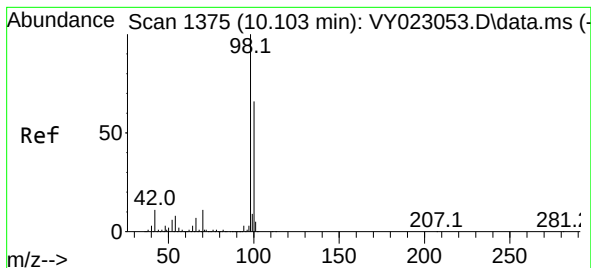
Tgt Ion:114 Resp: 1163003
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.5 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.087 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

Tgt Ion:113 Resp: 383350
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 20.9 16.2 24.4

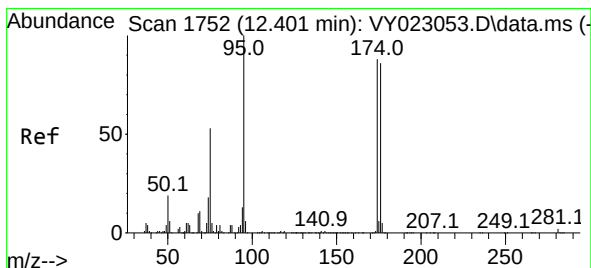
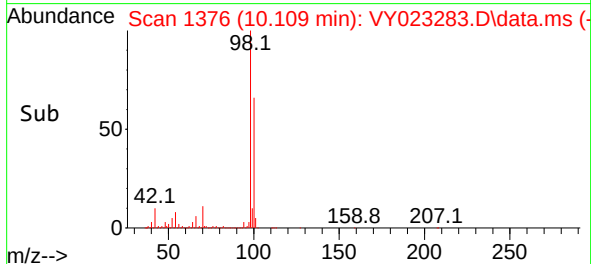
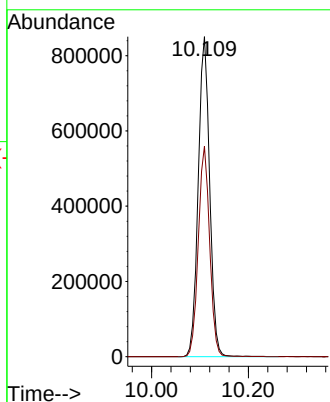
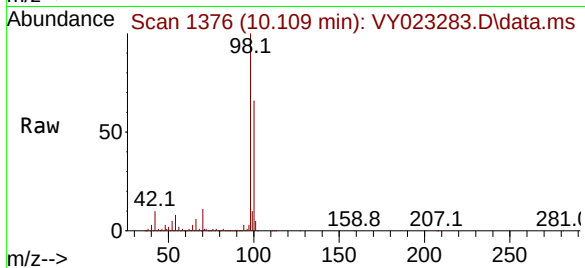




#50
Toluene-d8
Concen: 51.205 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

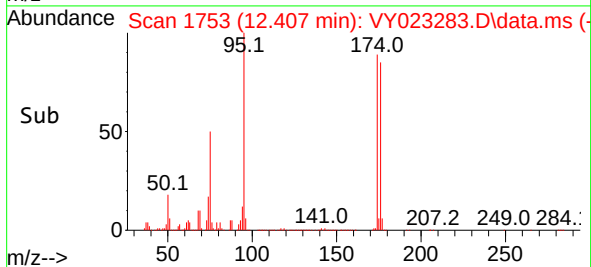
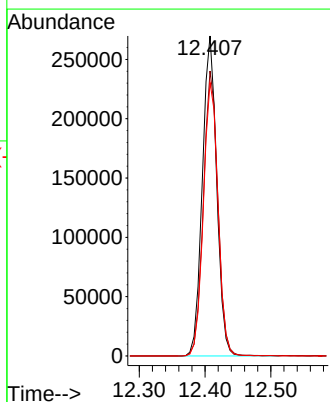
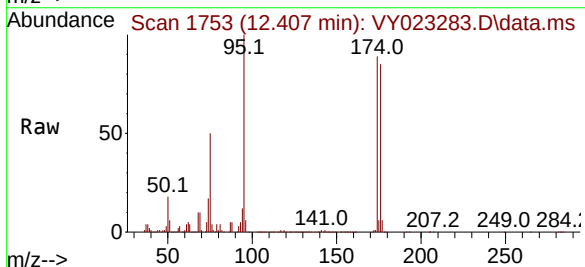
Instrument :
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VOC

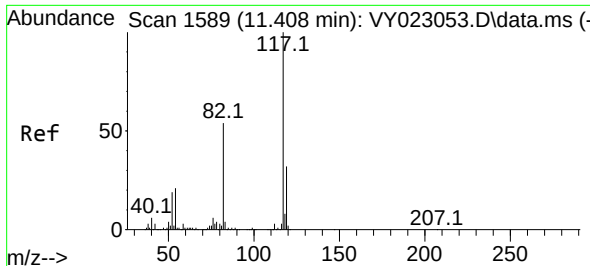
Tgt Ion: 98 Resp: 1392050
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.864 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

Tgt Ion: 95 Resp: 409733
Ion Ratio Lower Upper
95 100
174 90.1 0.0 171.6
176 87.3 0.0 167.6

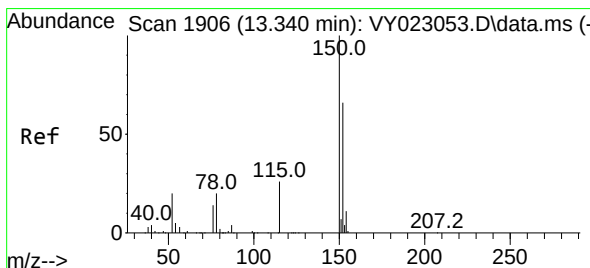
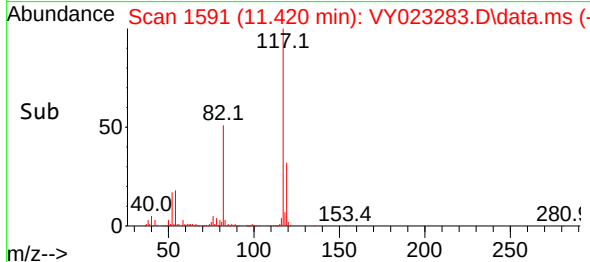
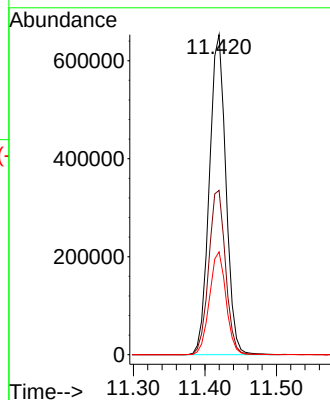
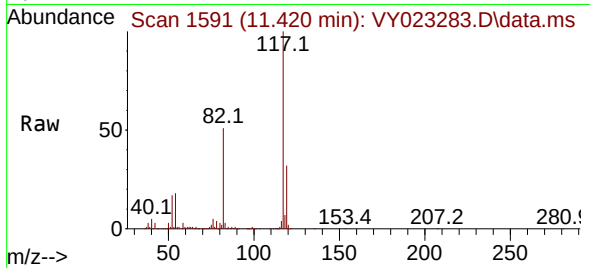




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:117 Resp: 1050657
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.0
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023283.D
Acq: 04 Sep 2025 12:45

Tgt Ion:152 Resp: 420392
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.6
150 155.9 0.0 348.0

