

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023285.D
 Acq On : 04 Sep 2025 15:04
 Operator : SY/MD
 Sample : Q3023-01
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Sep 05 04:25:27 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	7.713	168	592936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1129517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1027197	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	407096	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	330297	58.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.900%
35) Dibromofluoromethane	7.634	113	370572	54.829	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.660%
50) Toluene-d8	10.109	98	1343702	50.891	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.780%
62) 4-Bromofluorobenzene	12.408	95	396879	46.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.480%

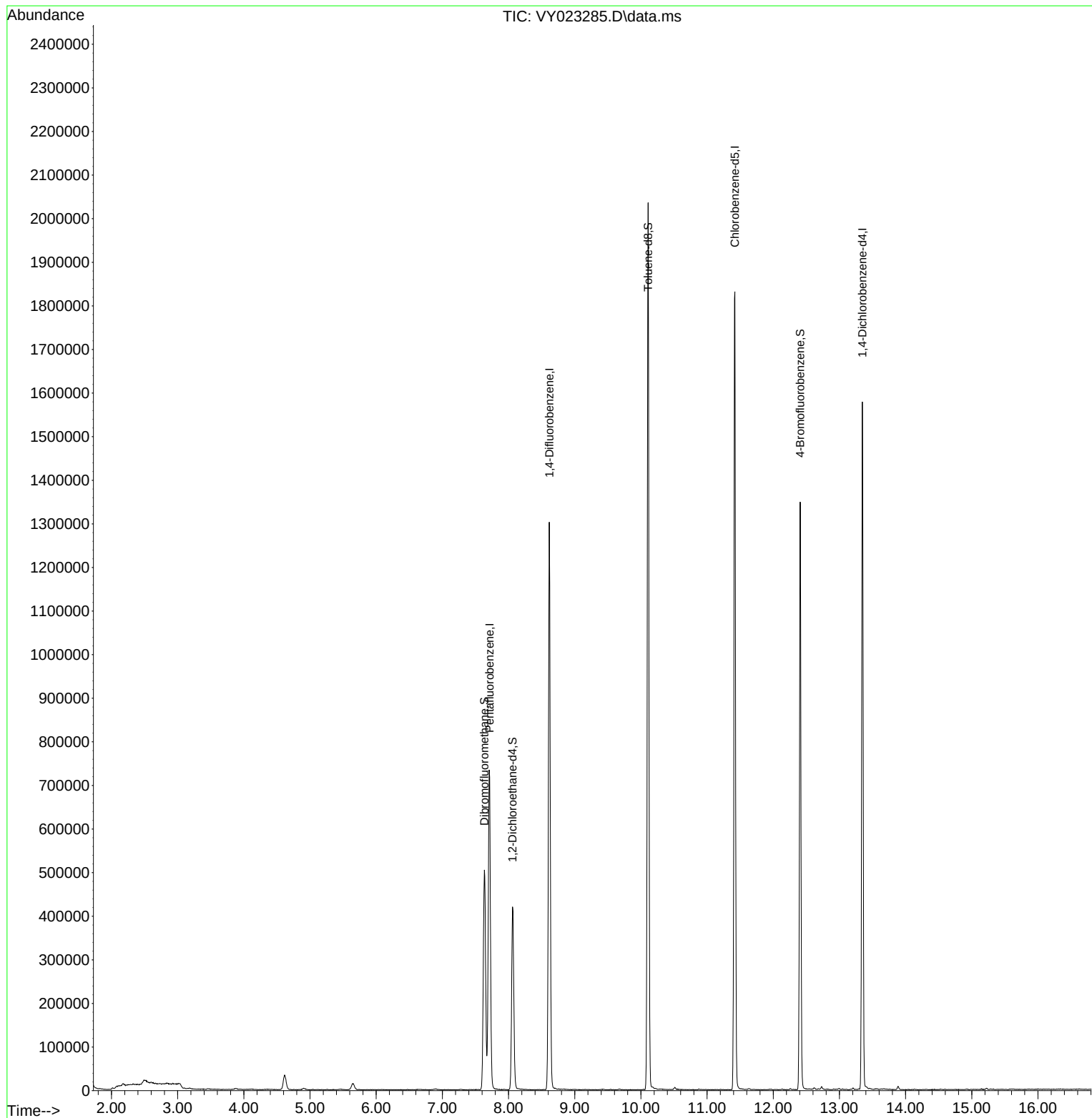
Target Compounds	Qvalue

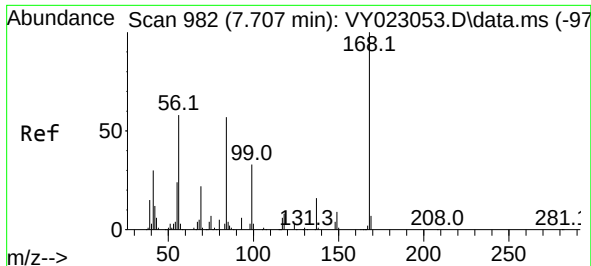
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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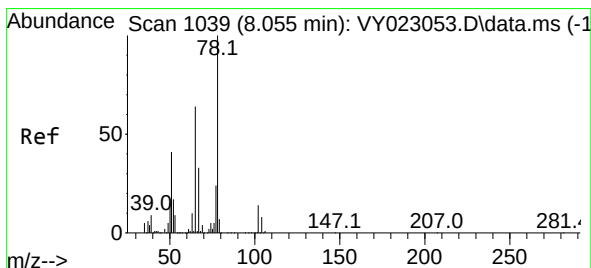
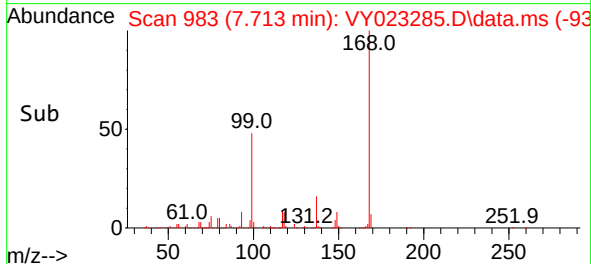
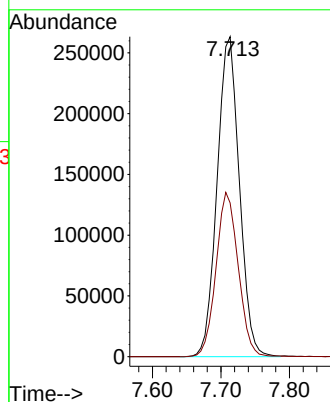
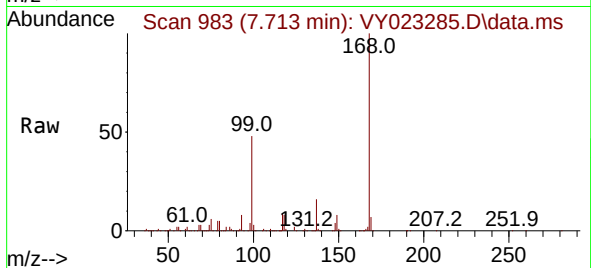




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

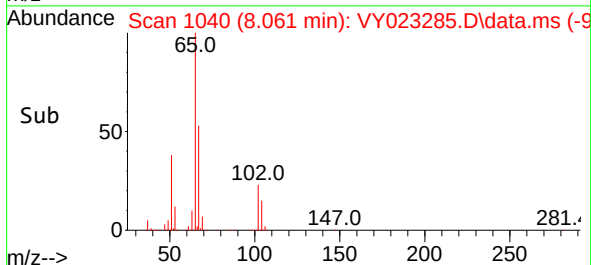
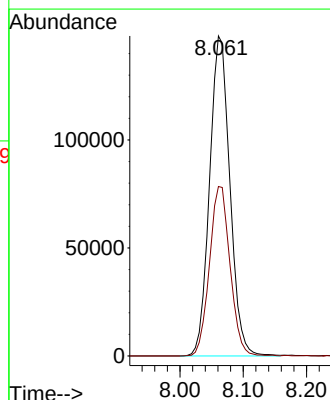
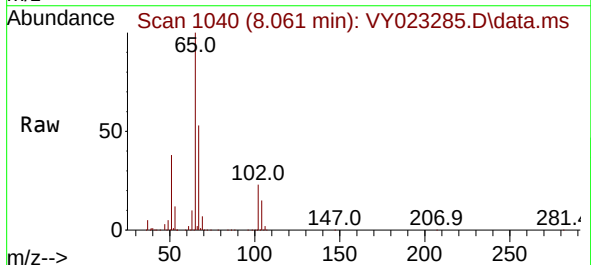
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

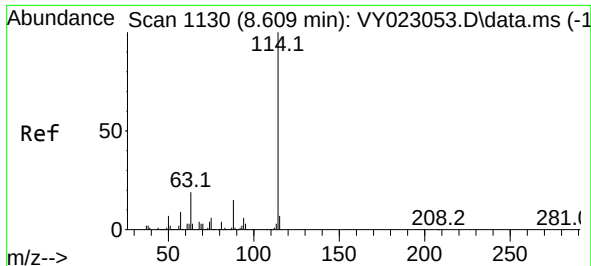
Tgt Ion:168 Resp: 592936
Ion Ratio Lower Upper
168 100
99 48.1 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 58.448 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Tgt Ion: 65 Resp: 330297
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023285.D

Acq: 04 Sep 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

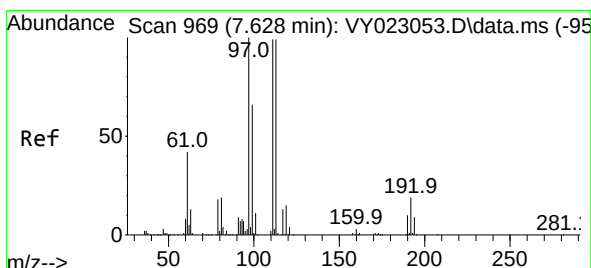
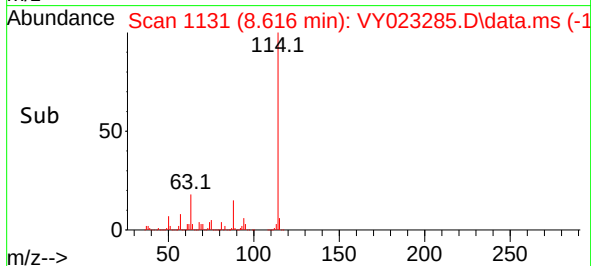
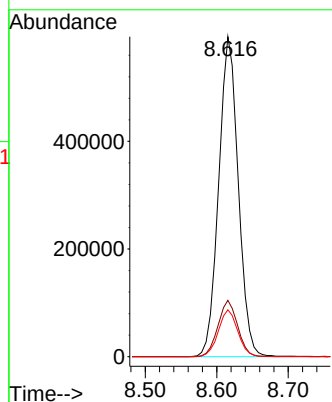
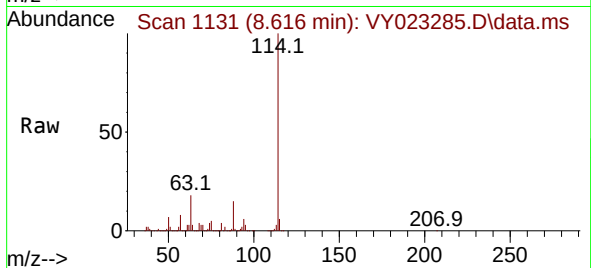
Tgt Ion:114 Resp: 1129517

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.829 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023285.D

Acq: 04 Sep 2025 15:04

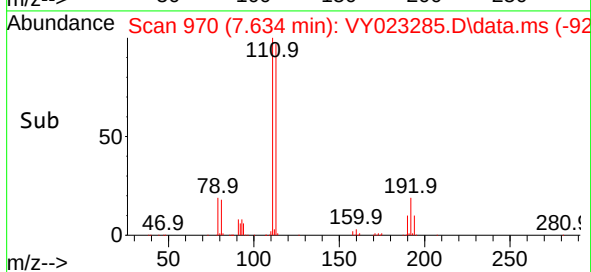
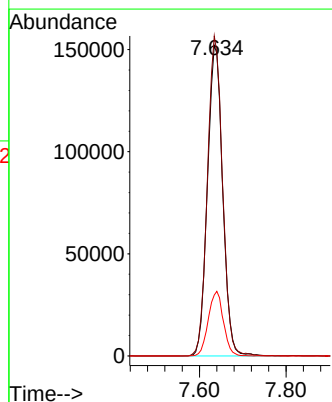
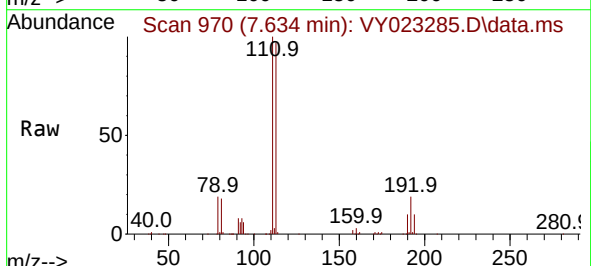
Tgt Ion:113 Resp: 370572

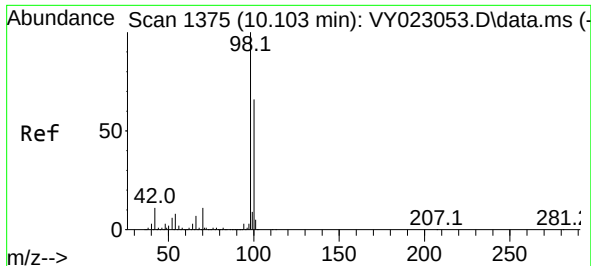
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 20.7 16.2 24.4

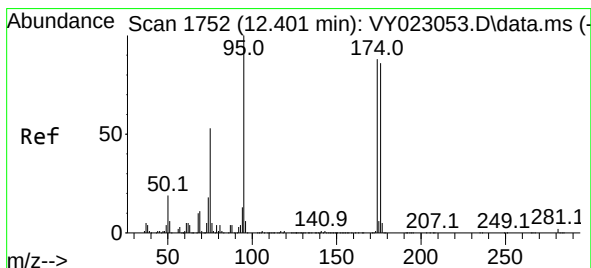
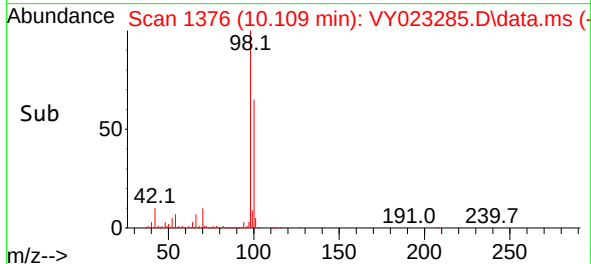
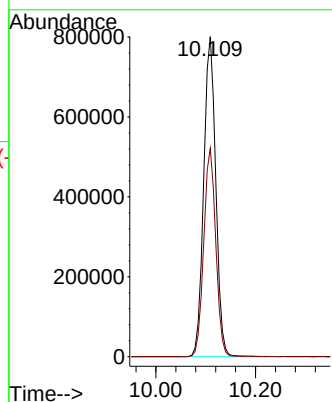
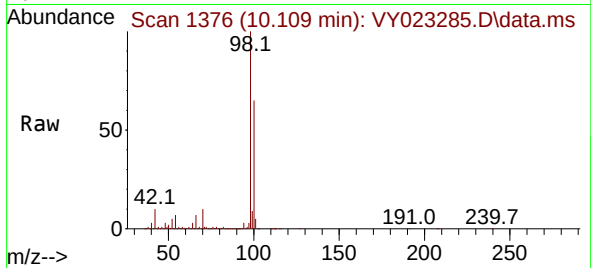




#50
Toluene-d8
Concen: 50.891 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

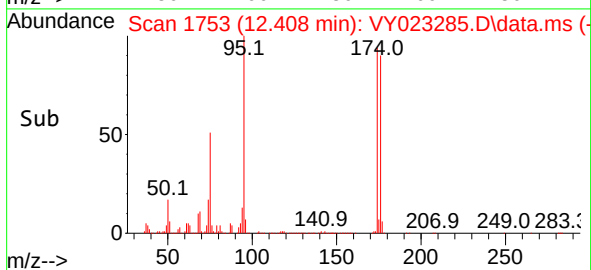
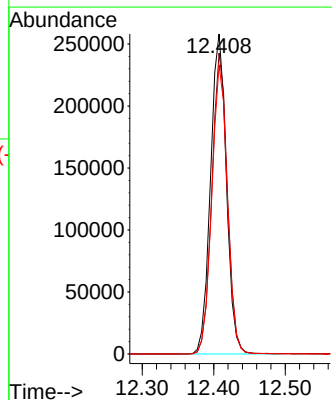
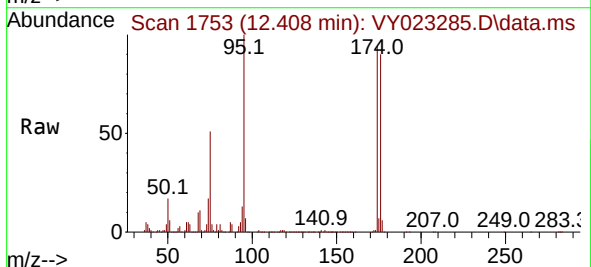
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

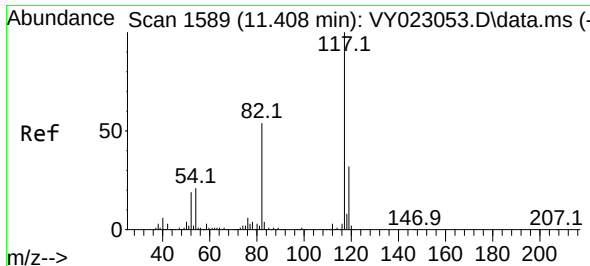
Tgt Ion: 98 Resp: 1343702
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.740 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Tgt Ion: 95 Resp: 396879
Ion Ratio Lower Upper
95 100
174 92.4 0.0 171.6
176 88.9 0.0 167.6

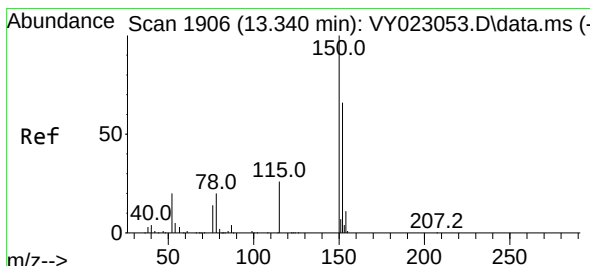
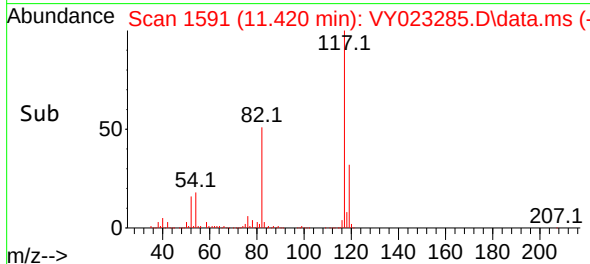
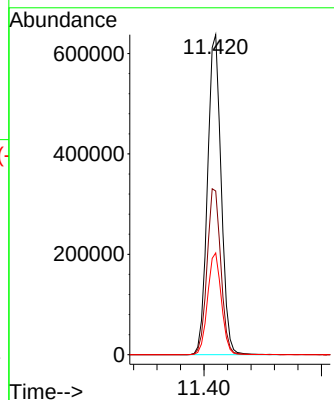
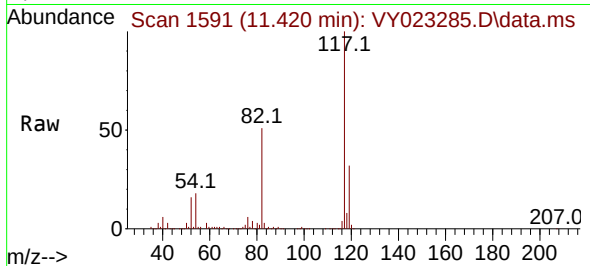




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Tgt Ion:117 Resp: 1027197
Ion Ratio Lower Upper
117 100
82 51.1 43.4 65.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023285.D
Acq: 04 Sep 2025 15:04

Tgt Ion:152 Resp: 407096
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.6
150 156.4 0.0 348.0

