

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023974.D
 Acq On : 15 Dec 2025 14:13
 Operator : SY/MD
 Sample : Q3862-02RE
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP02-MH09-VOCRE

Quant Time: Dec 16 02:15:21 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	7.720	168	8280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	12442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	6335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1102	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	4719	64.461	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.920%
35) Dibromofluoromethane	7.646	113	4272	52.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.060%
50) Toluene-d8	10.115	98	12004	39.642	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.280%
62) 4-Bromofluorobenzene	12.414	95	1126	11.135	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	22.260%#

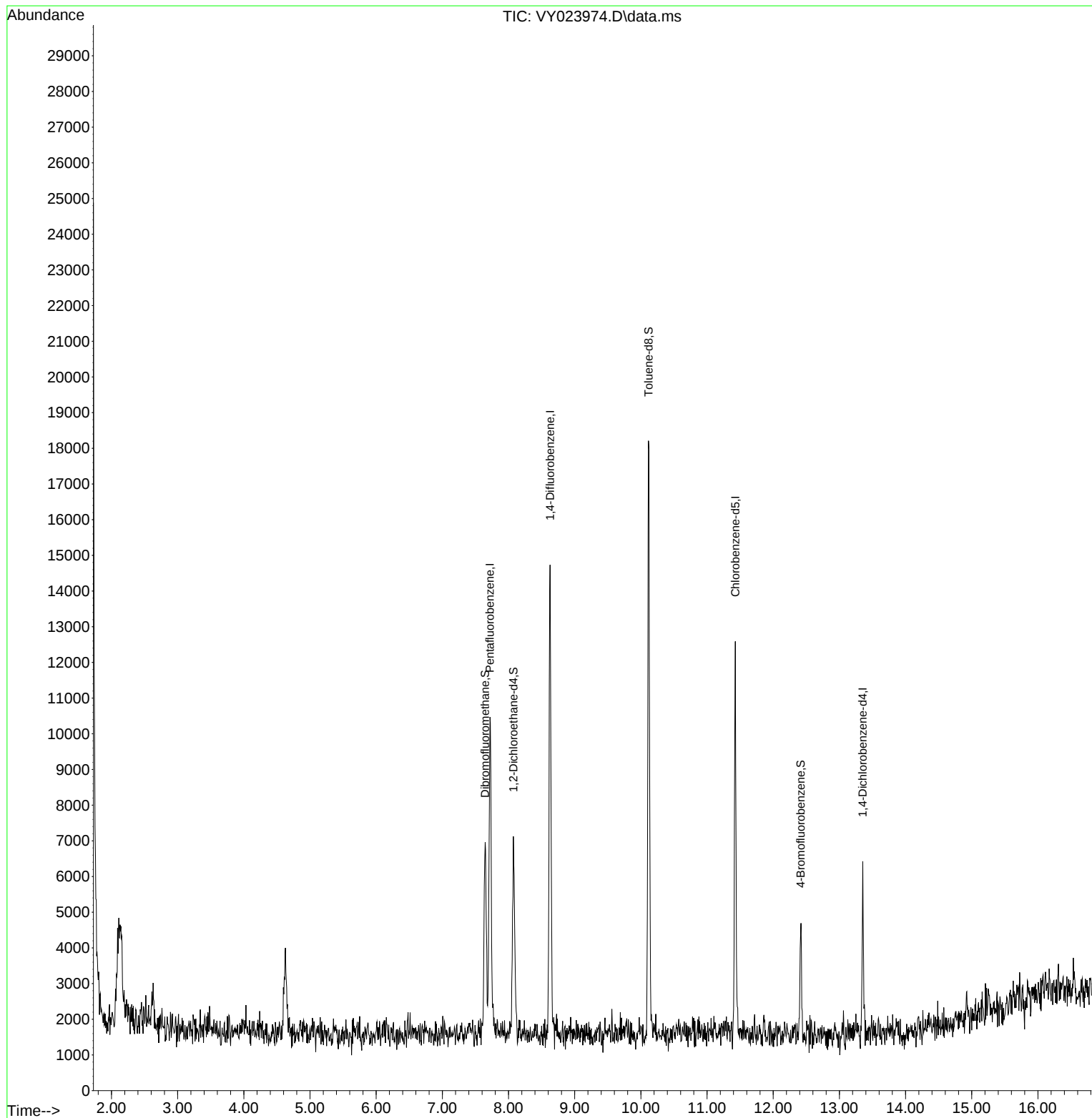
Target Compounds	Qvalue

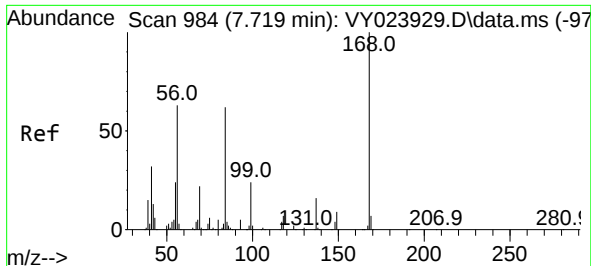
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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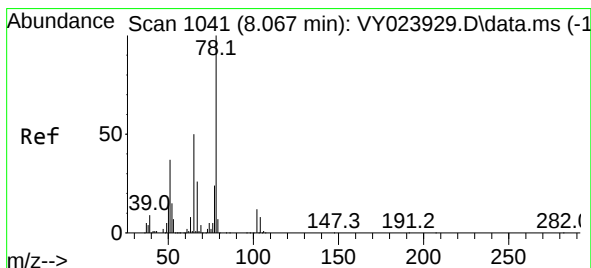
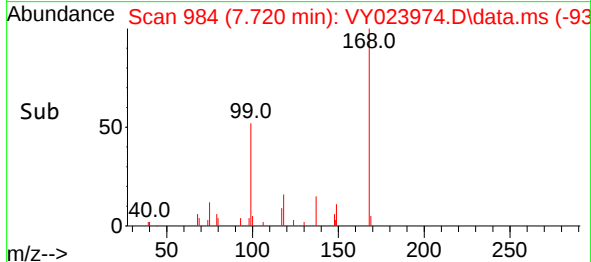
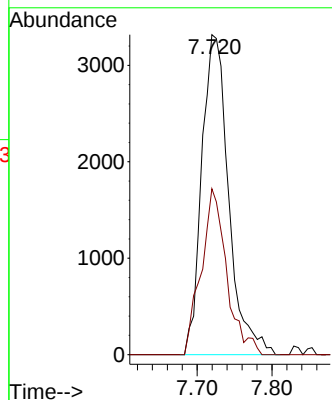
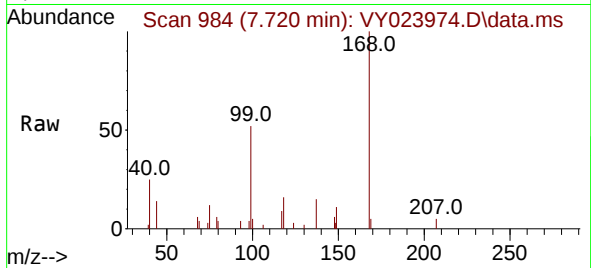




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY023974.D
Acq: 15 Dec 2025 14:13

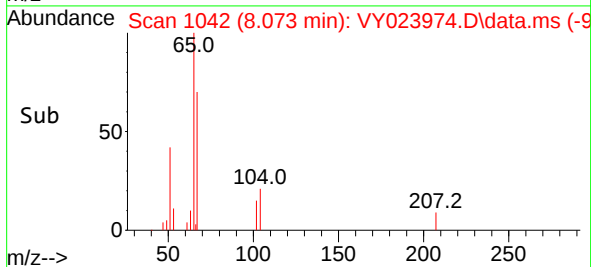
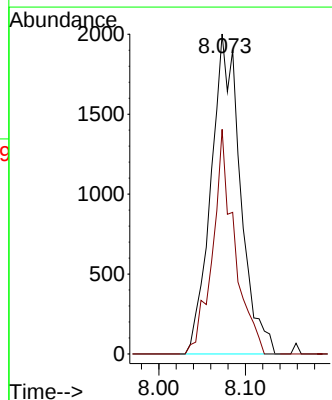
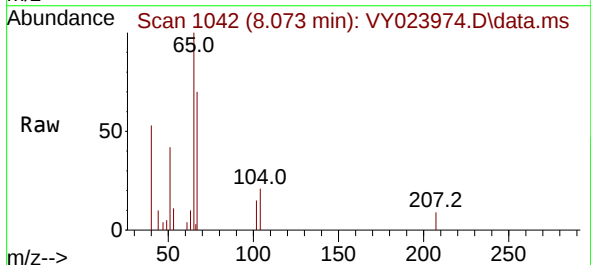
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH09-VOCRE

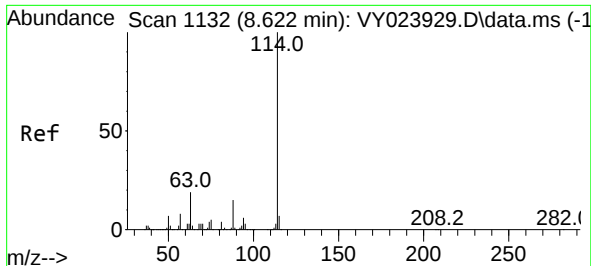
Tgt Ion:168 Resp: 8280
Ion Ratio Lower Upper
168 100
99 51.9 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 64.461 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023974.D
Acq: 15 Dec 2025 14:13

Tgt Ion: 65 Resp: 4719
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2

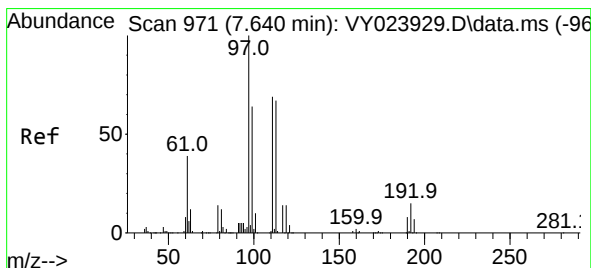
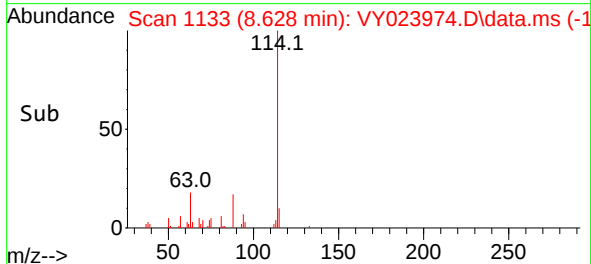
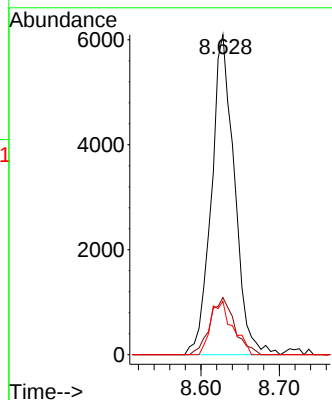
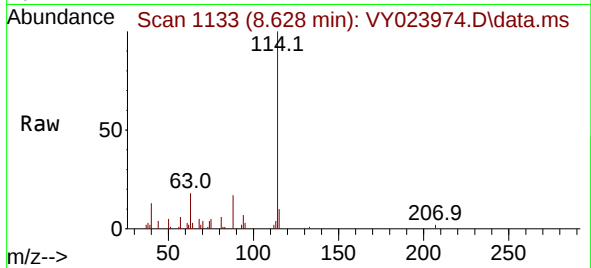




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023974.D
Acq: 15 Dec 2025 14:13

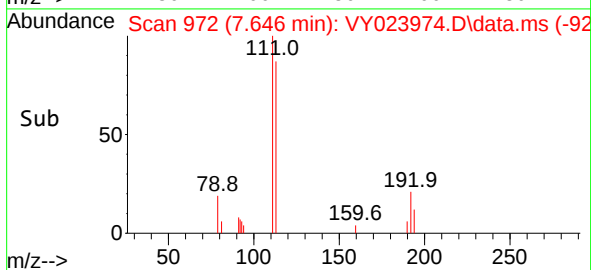
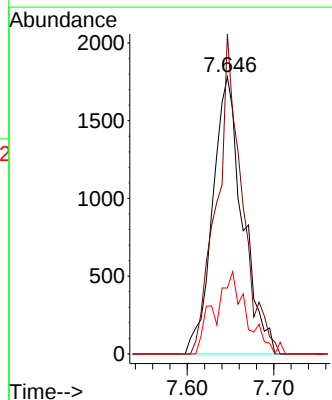
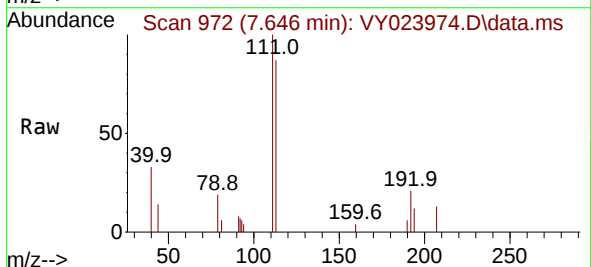
Instrument :
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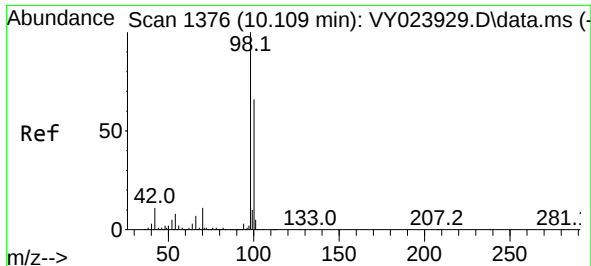
Tgt Ion:	114	Resp:	12442
Ion Ratio	Lower	Upper	
114	100		
63	17.8	0.0	37.2
88	16.7	0.0	29.4



#35
Dibromofluoromethane
Concen: 52.526 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023974.D
Acq: 15 Dec 2025 14:13

Tgt Ion:	113	Resp:	4272
Ion Ratio	Lower	Upper	
113	100		
111	97.4	82.4	123.6
192	31.8	17.9	26.9

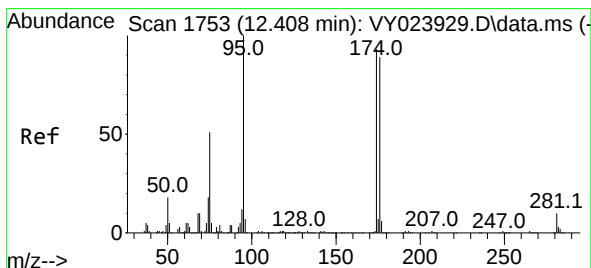
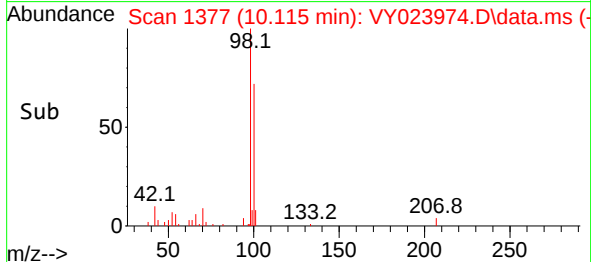
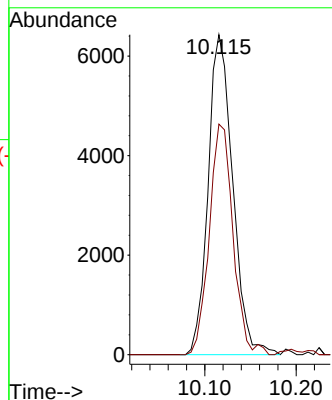
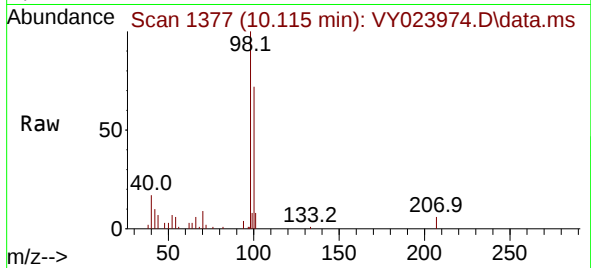




#50
Toluene-d8
Concen: 39.642 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023974.D
Acq: 15 Dec 2025 14:13

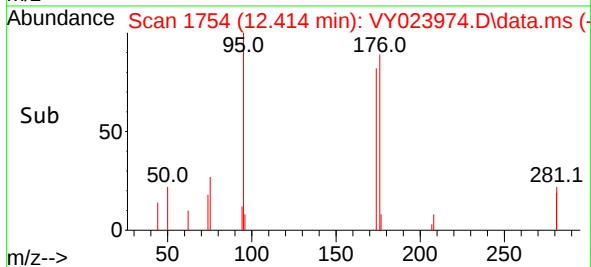
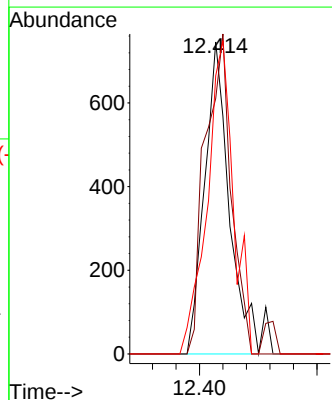
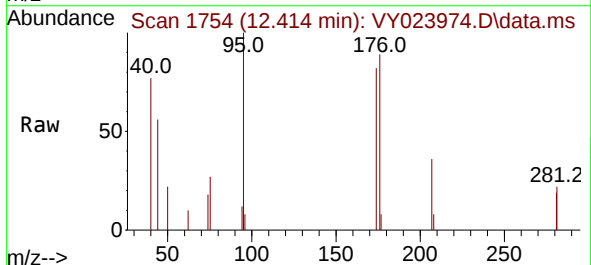
Instrument :
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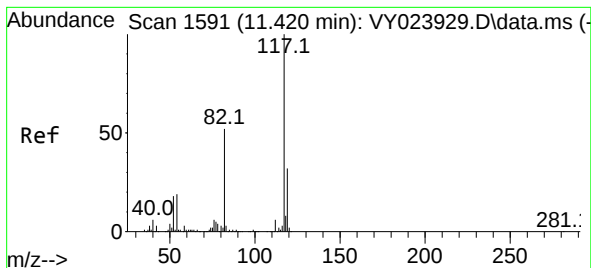
Tgt Ion: 98 Resp: 12004
Ion Ratio Lower Upper
98 100
100 69.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 11.135 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023974.D
Acq: 15 Dec 2025 14:13

Tgt Ion: 95 Resp: 1126
Ion Ratio Lower Upper
95 100
174 105.0 0.0 187.4
176 103.9 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023974.D

Acq: 15 Dec 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

TP02-MH09-VOCRE

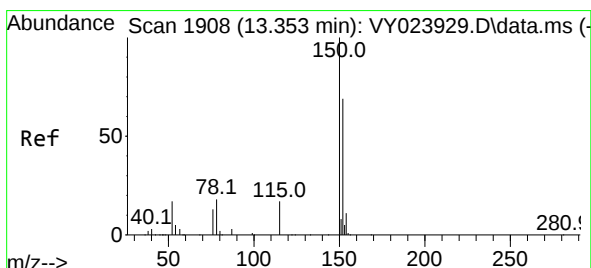
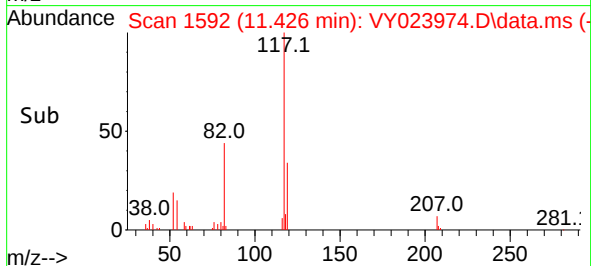
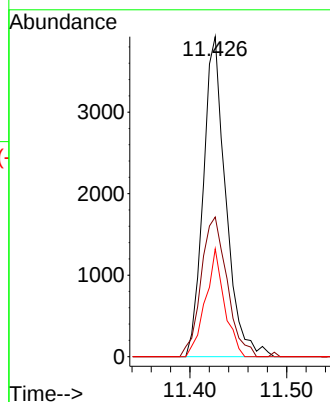
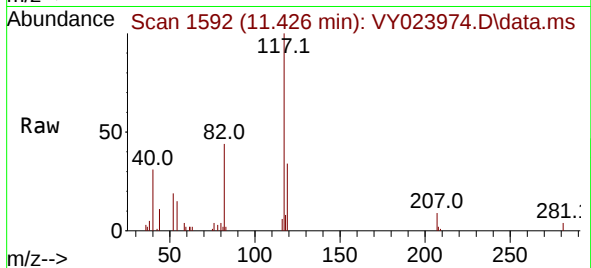
Tgt Ion:117 Resp: 6335

Ion Ratio Lower Upper

117 100

82 43.6 41.4 62.2

119 33.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY023974.D

Acq: 15 Dec 2025 14:13

Tgt Ion:152 Resp: 1102

Ion Ratio Lower Upper

152 100

115 63.2 27.3 81.9

150 186.0 0.0 347.6

