

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023374.D
 Acq On : 25 Sep 2025 15:19
 Operator : SY/MD
 Sample : Q3200-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-367

Quant Time: Sep 26 04:25:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	23389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	32524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	19810	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	3721	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	7061	34.356	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.720%
35) Dibromofluoromethane	7.634	113	7630	38.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.760%
50) Toluene-d8	10.109	98	32531	43.334	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.660%
62) 4-Bromofluorobenzene	12.408	95	4839	20.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.960%

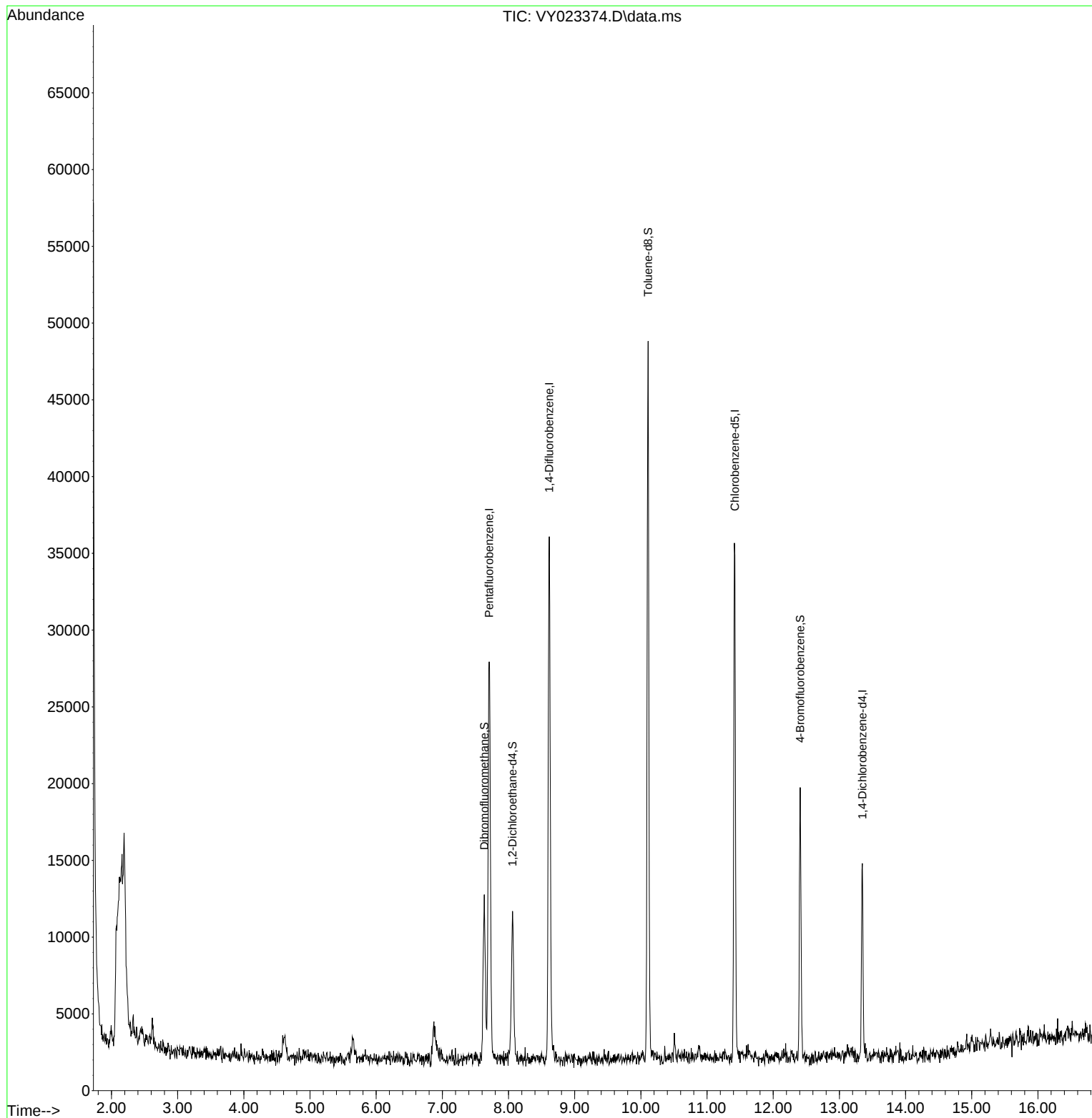
Target Compounds	Qvalue

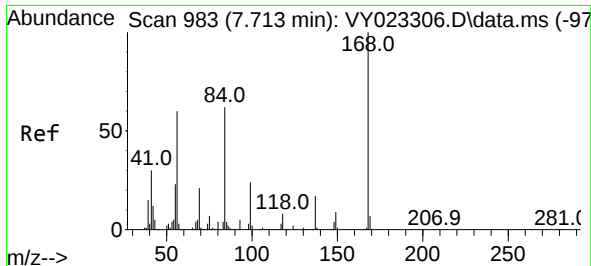
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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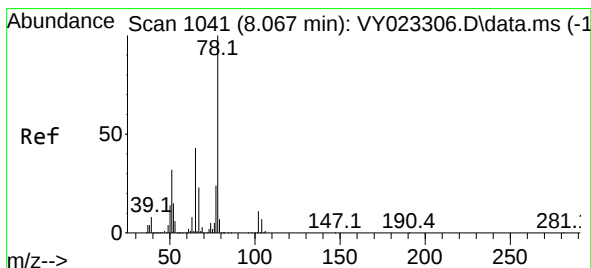
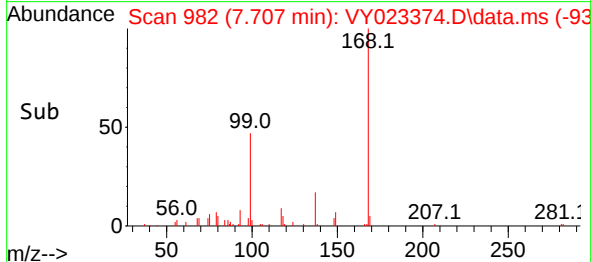
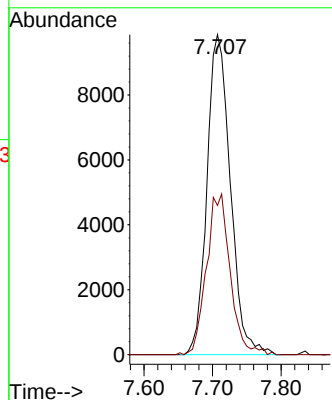
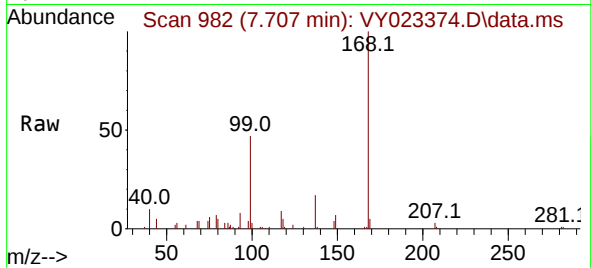




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023374.D
Acq: 25 Sep 2025 15:19

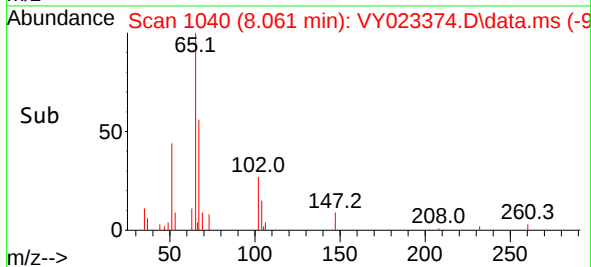
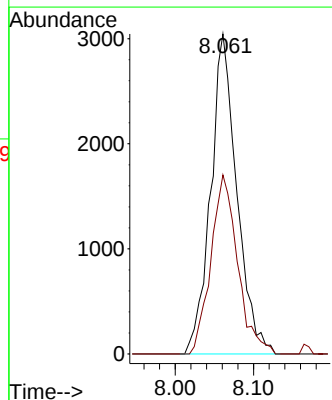
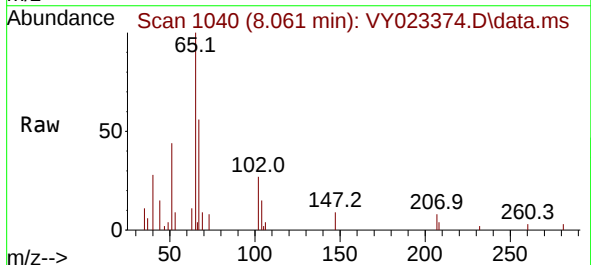
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-367

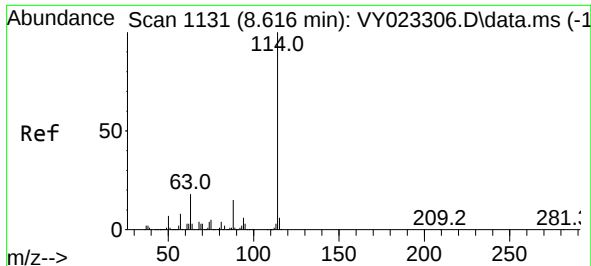
Tgt Ion:168 Resp: 23389
Ion Ratio Lower Upper
168 100
99 46.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 34.356 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023374.D
Acq: 25 Sep 2025 15:19

Tgt Ion: 65 Resp: 7061
Ion Ratio Lower Upper
65 100
67 57.2 0.0 106.8

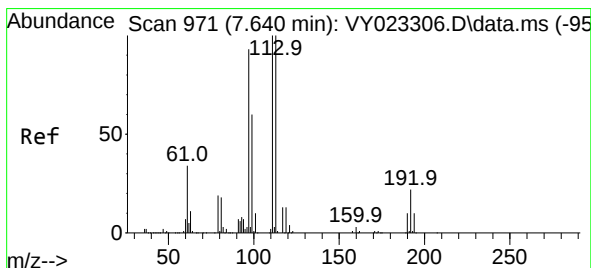
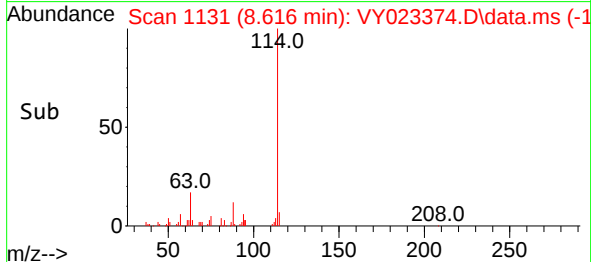
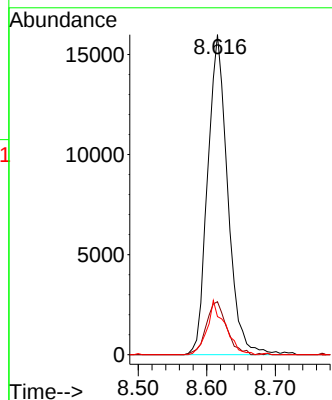
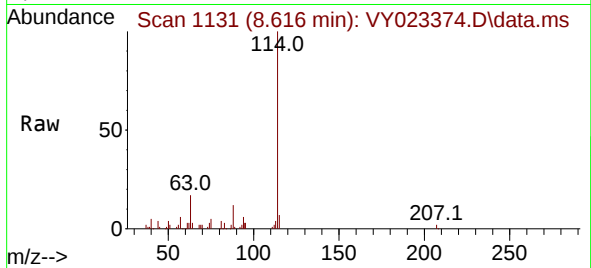




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023374.D
Acq: 25 Sep 2025 15:19

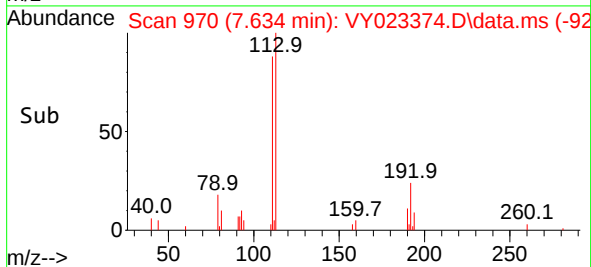
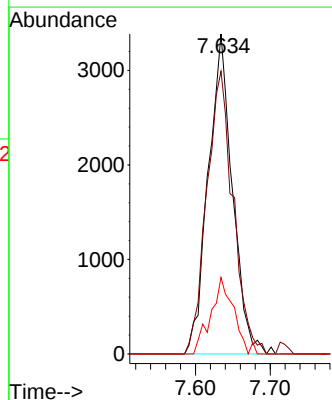
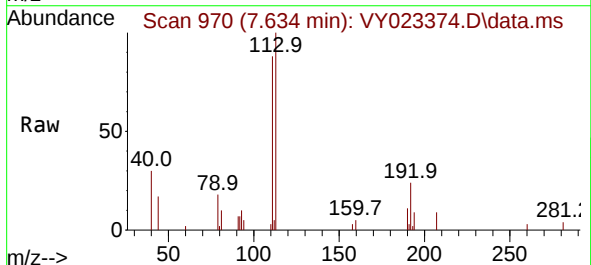
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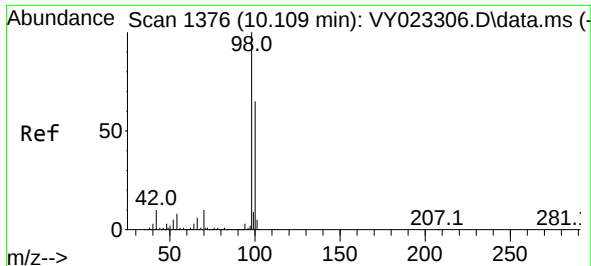
Tgt Ion:	114	Resp:	32524
Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	38.4
88	11.9	0.0	30.0



#35
Dibromofluoromethane
Concen: 38.379 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023374.D
Acq: 25 Sep 2025 15:19

Tgt Ion:	113	Resp:	7630
Ion	Ratio	Lower	Upper
113	100		
111	95.9	81.1	121.7
192	22.6	16.2	24.4

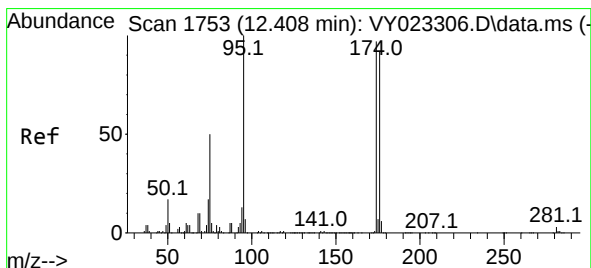
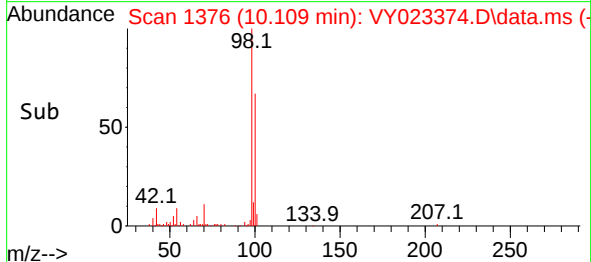
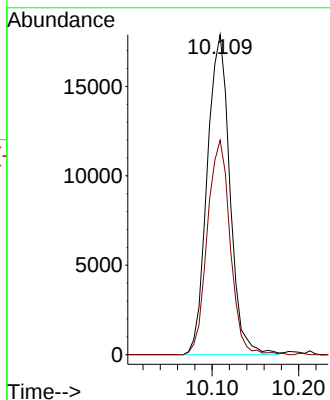
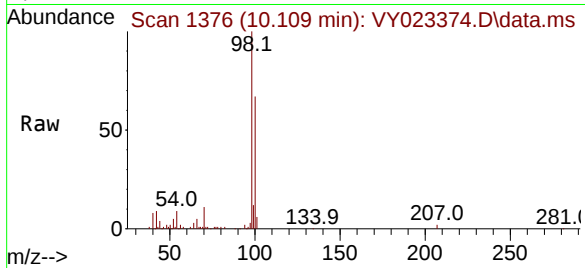




#50
Toluene-d8
Concen: 43.334 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023374.D
Acq: 25 Sep 2025 15:19

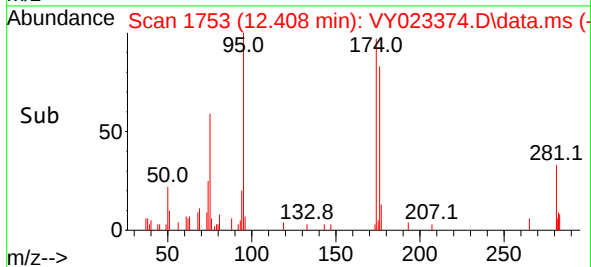
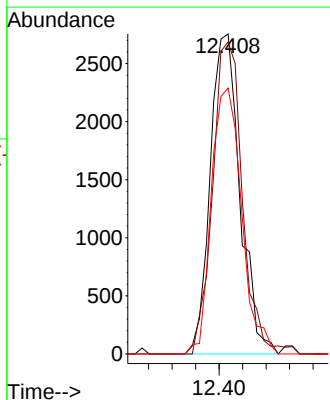
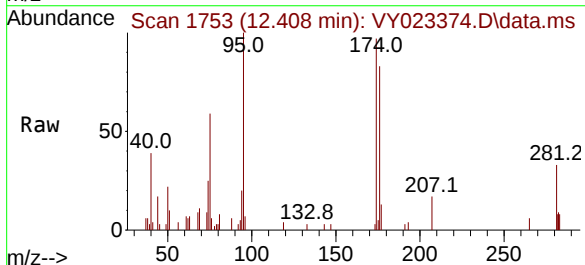
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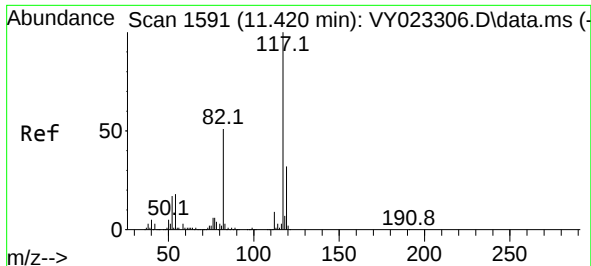
Tgt Ion: 98 Resp: 32531
Ion Ratio Lower Upper
98 100
100 67.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 20.483 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023374.D
Acq: 25 Sep 2025 15:19

Tgt Ion: 95 Resp: 4839
Ion Ratio Lower Upper
95 100
174 97.9 0.0 171.6
176 84.8 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: VY023374.D

Acq: 25 Sep 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-367

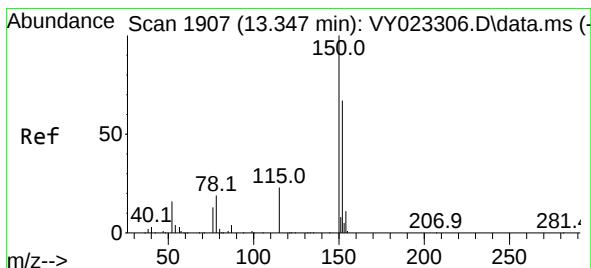
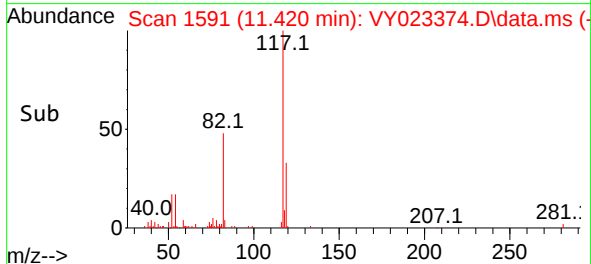
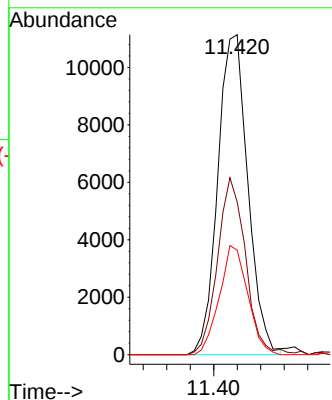
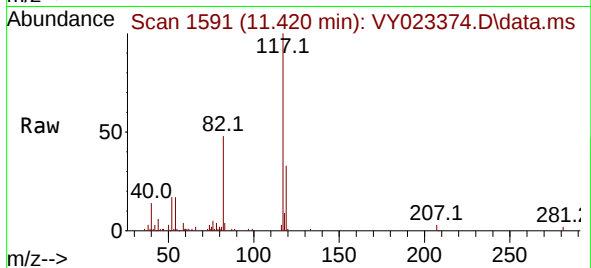
Tgt Ion:117 Resp: 19810

Ion Ratio Lower Upper

117 100

82 47.8 43.4 65.0

119 32.7 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: VY023374.D

Acq: 25 Sep 2025 15:19

Tgt Ion:152 Resp: 3721

Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.6

150 151.8 0.0 348.0

