

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023274.D
 Acq On : 03 Sep 2025 14:32
 Operator : SY/MD
 Sample : Q3009-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-090325

Quant Time: Sep 04 01:17:25 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)

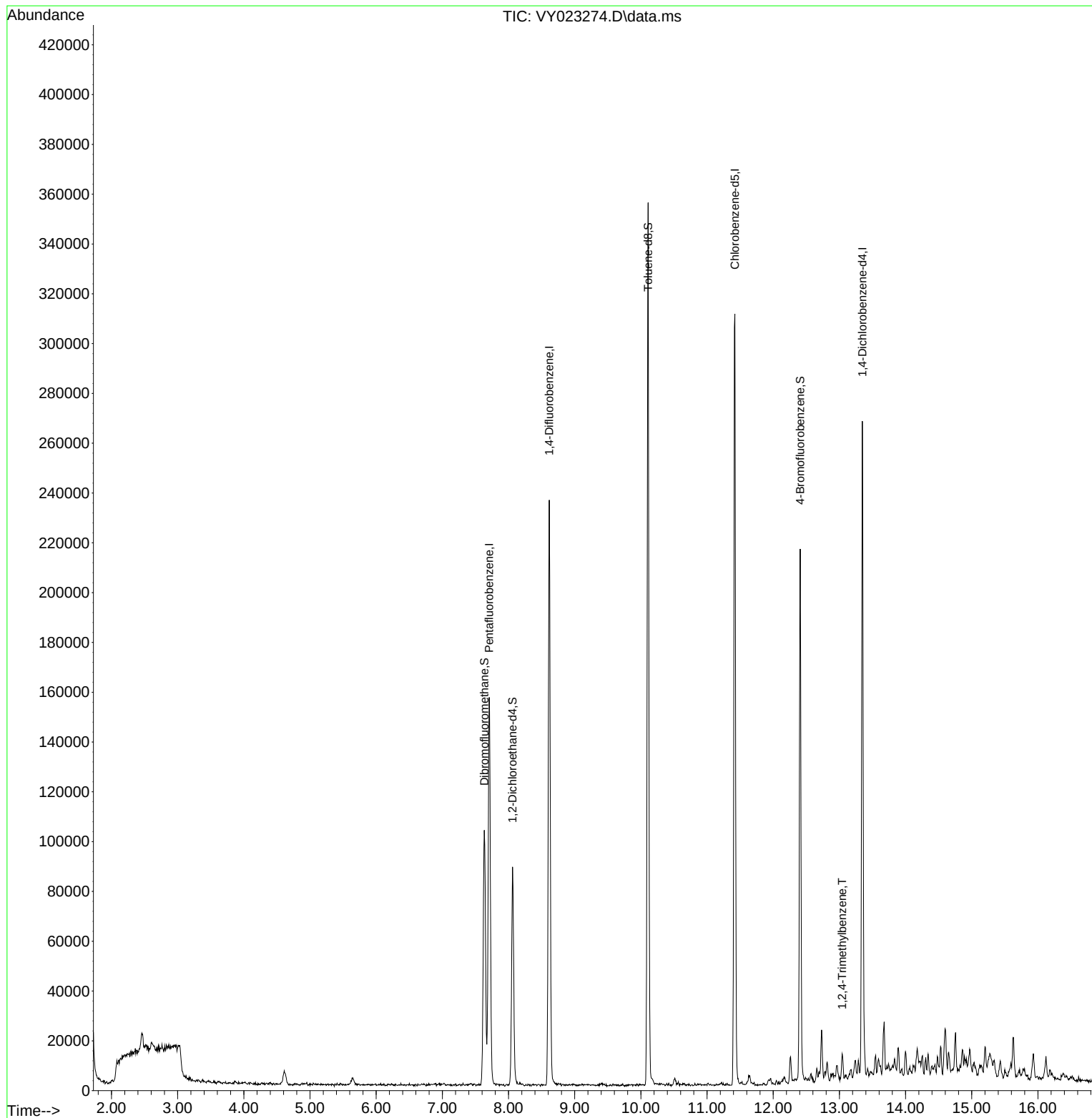
Internal Standards						
1) Pentafluorobenzene	7.707	168	125700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	206492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	179104	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	69806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66951	55.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.780%
35) Dibromofluoromethane	7.634	113	75700	61.267	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	122.540%
50) Toluene-d8	10.109	98	234544	48.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.408	95	64592	41.610	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.220%
Target Compounds						Qvalue
84) 1,2,4-Trimethylbenzene	13.042	105	5407	1.364	ug/l	97

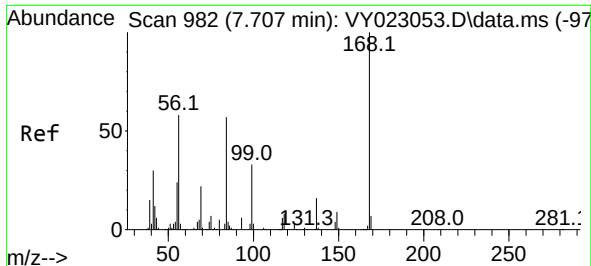
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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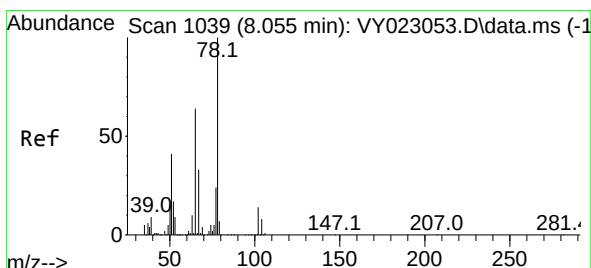
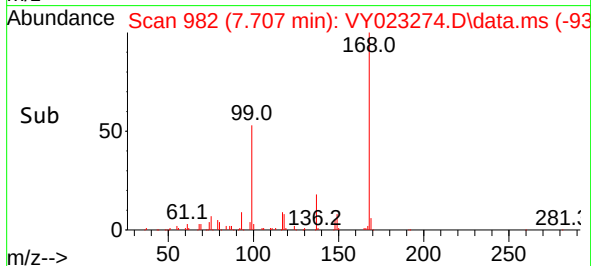
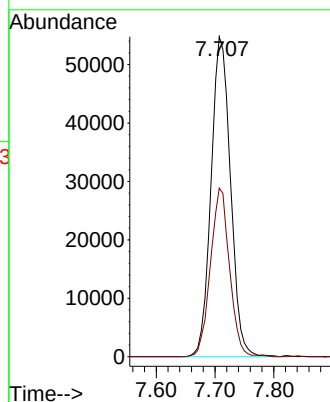
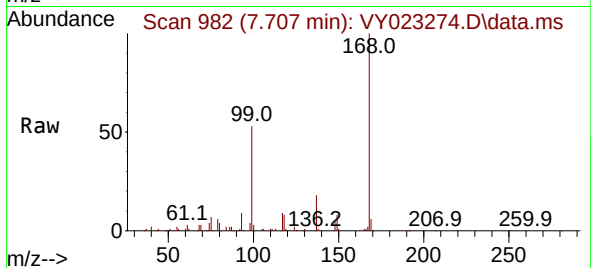




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

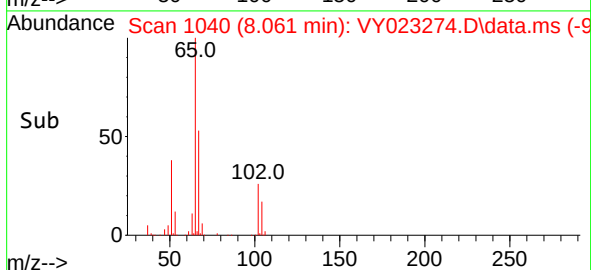
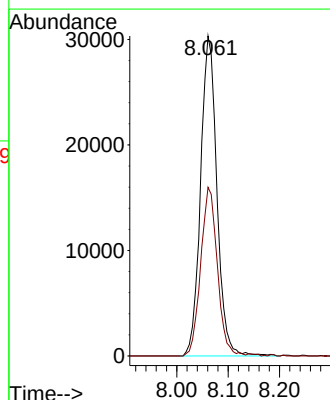
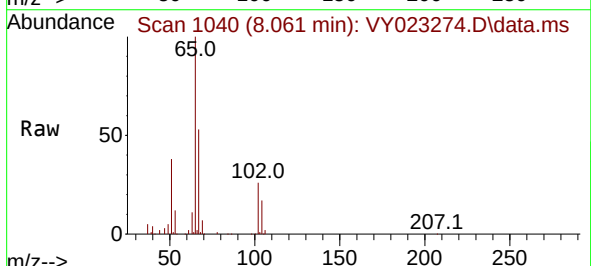
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325

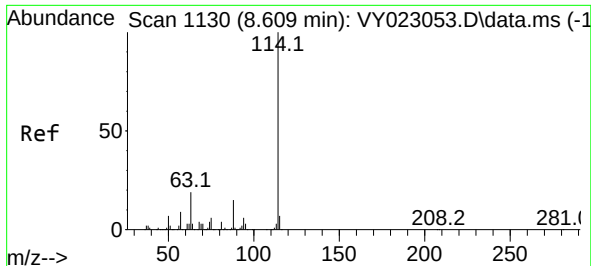
Tgt Ion:168 Resp: 125700
Ion Ratio Lower Upper
168 100
99 52.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.885 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion: 65 Resp: 66951
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

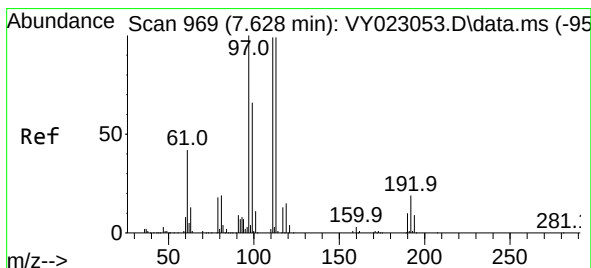
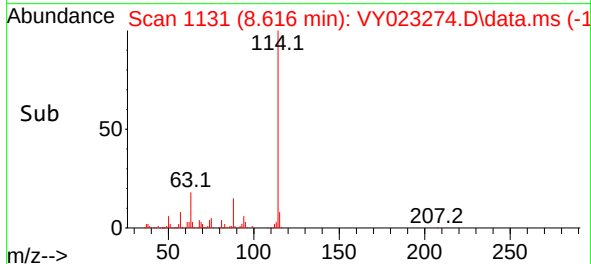
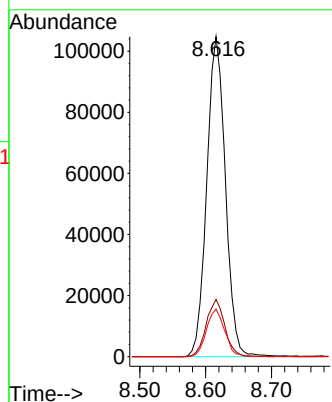
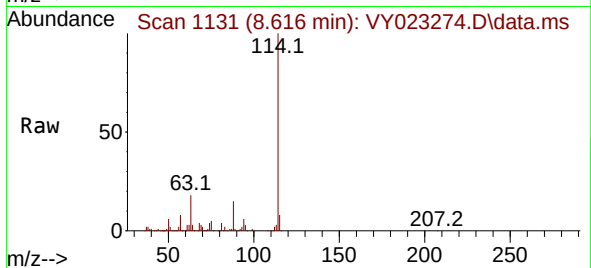




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

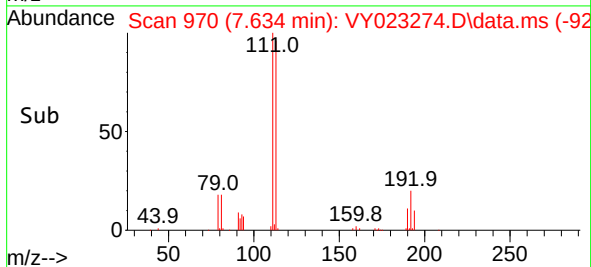
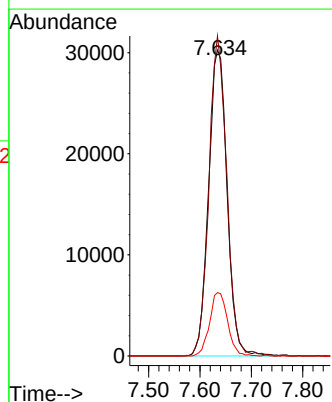
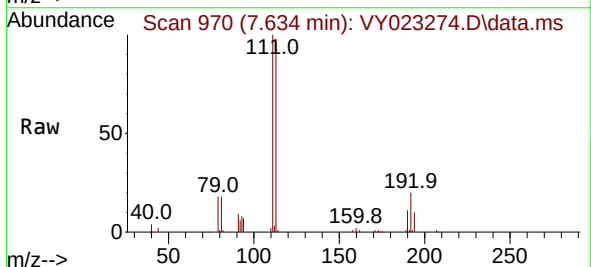
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325

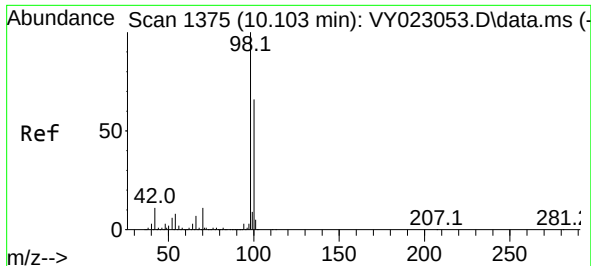
Tgt Ion:114 Resp: 206492
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 61.267 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion:113 Resp: 75700
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 20.2 16.2 24.4

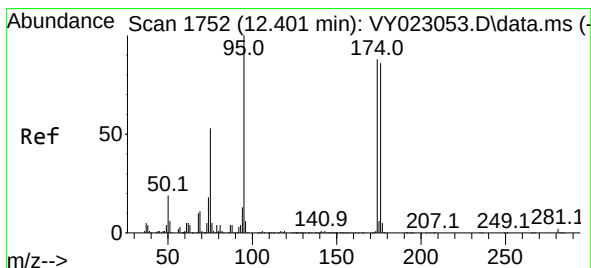
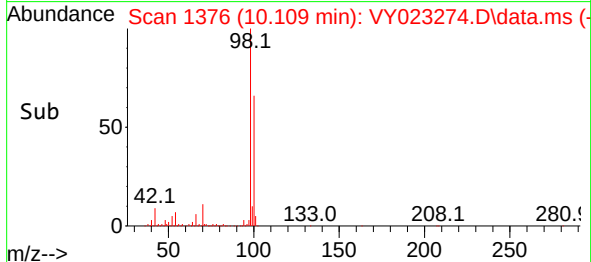
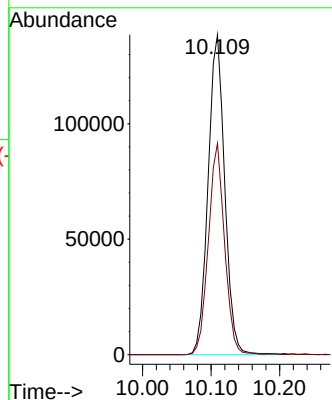
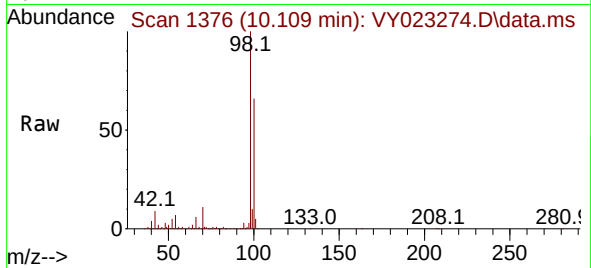




#50
Toluene-d8
Concen: 48.591 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

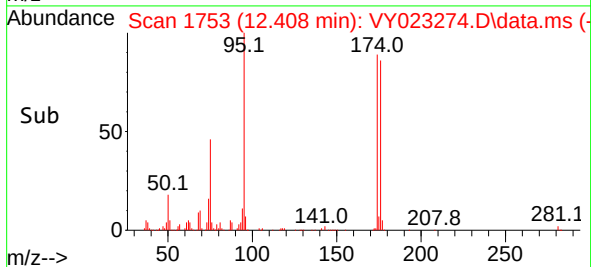
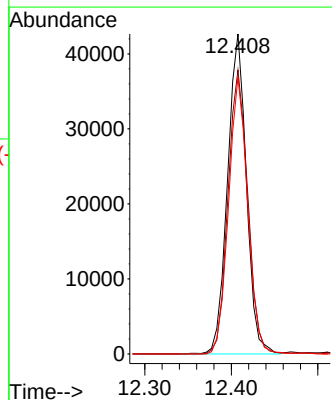
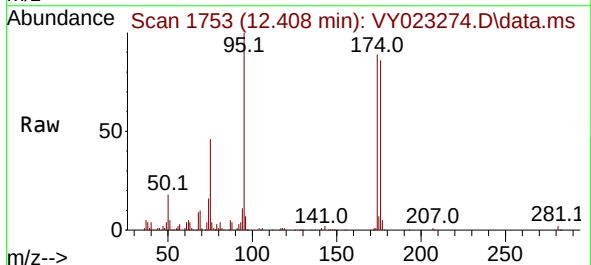
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-090325

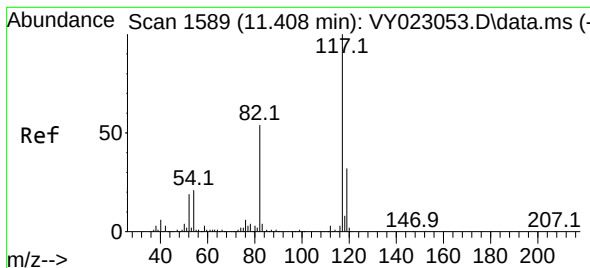
Tgt Ion: 98 Resp: 234544
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.610 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023274.D
Acq: 03 Sep 2025 14:32

Tgt Ion: 95 Resp: 64592
Ion Ratio Lower Upper
95 100
174 92.5 0.0 171.6
176 87.7 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: VY023274.D

Acq: 03 Sep 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-090325

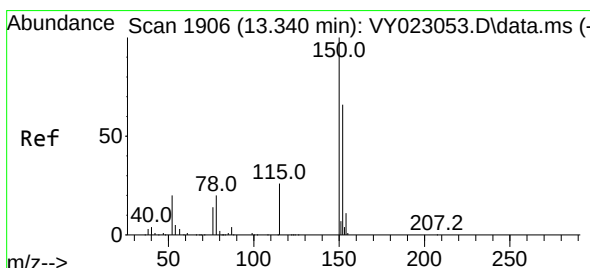
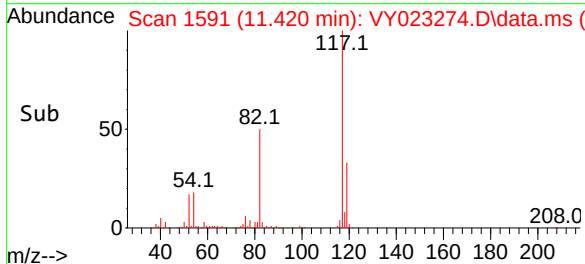
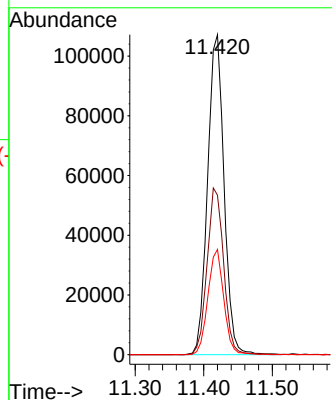
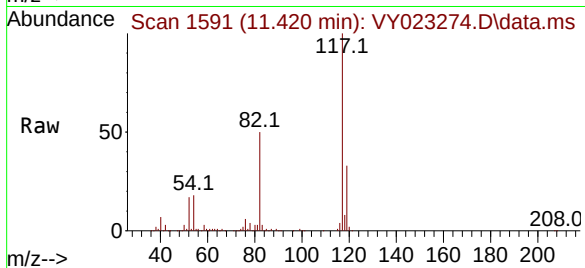
Tgt Ion:117 Resp: 179104

Ion Ratio Lower Upper

117 100

82 49.9 43.4 65.0

119 32.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023274.D

Acq: 03 Sep 2025 14:32

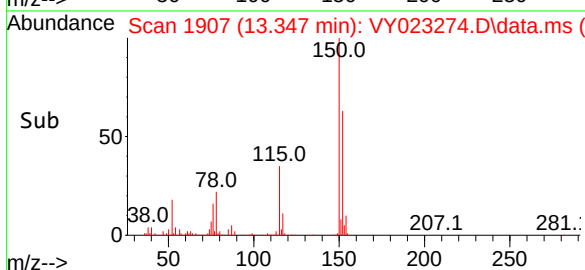
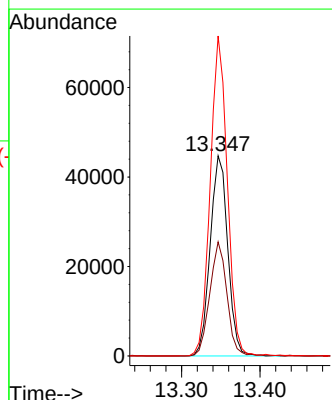
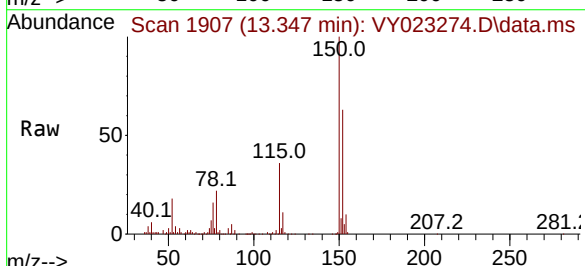
Tgt Ion:152 Resp: 69806

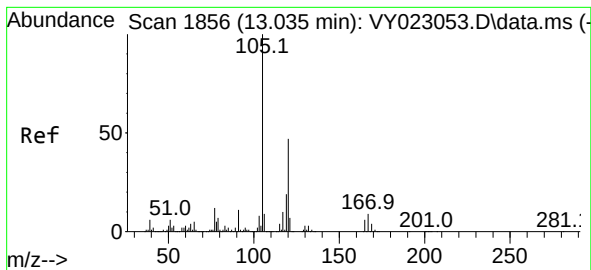
Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 154.5 0.0 348.0





#84
 1,2,4-Trimethylbenzene
 Concen: 1.364 ug/l
 RT: 13.042 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023274.D
 Acq: 03 Sep 2025 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-090325

Tgt Ion:105 Resp: 5407
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.0 69.0

