

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023824.D
 Acq On : 26 Nov 2025 14:08
 Operator : SY/MD
 Sample : Q3723-01
 Misc : 6.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CC-1-112525

Quant Time: Nov 27 01:22:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	743131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1357603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1140399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	397660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	424342	58.635	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.280%
35) Dibromofluoromethane	7.634	113	437815	54.439	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.880%
50) Toluene-d8	10.109	98	1606559	50.293	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.401	95	456187	43.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.800%

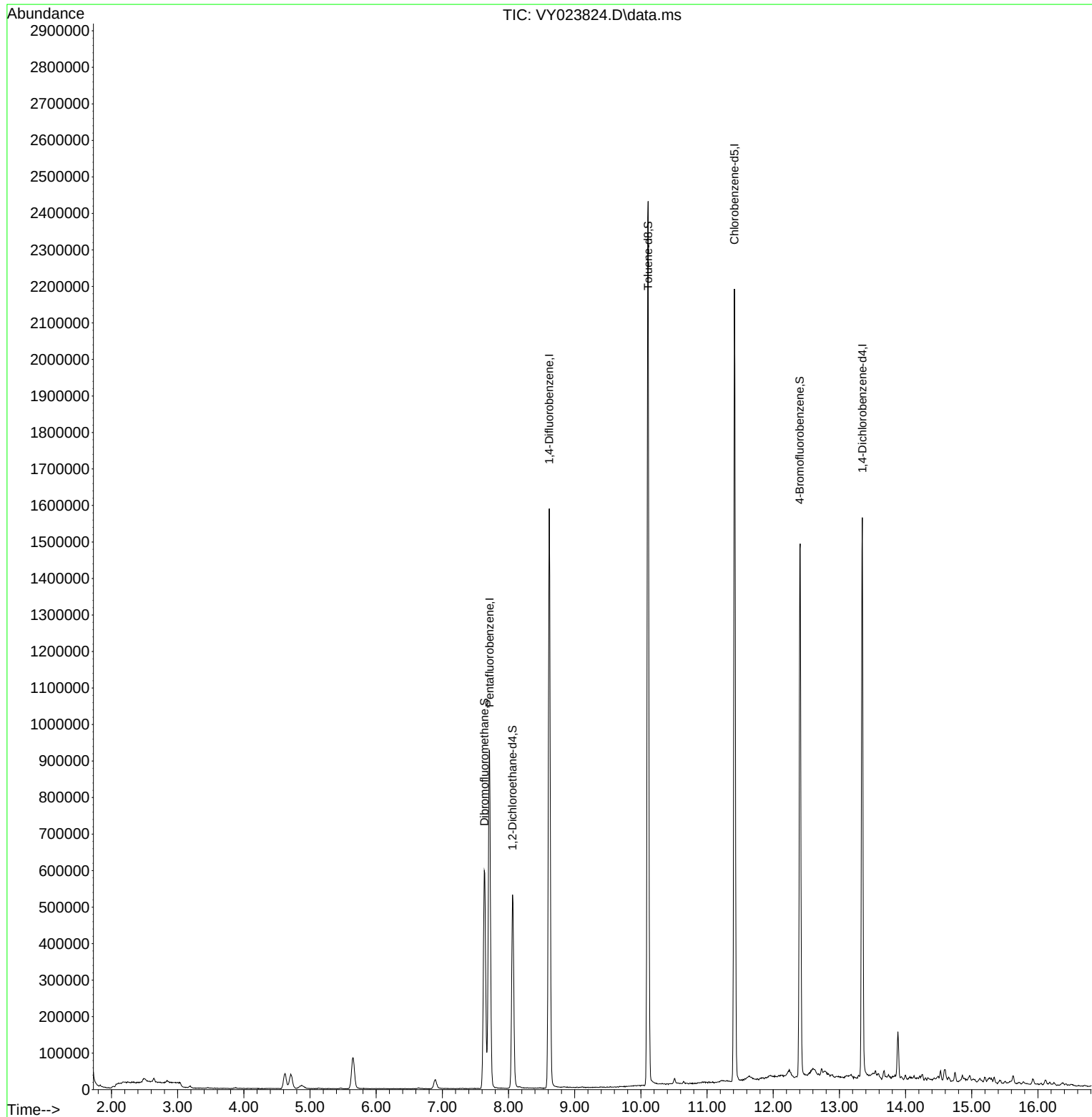
Target Compounds	Qvalue

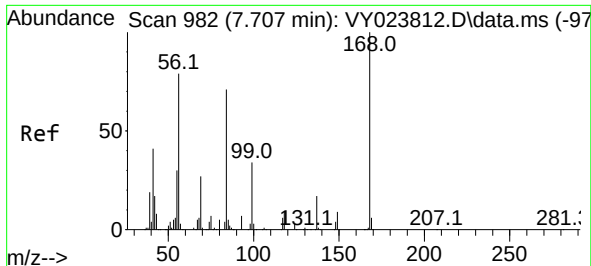
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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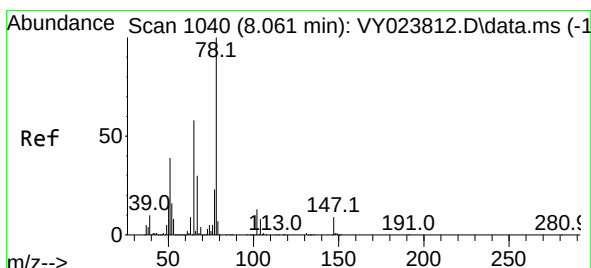
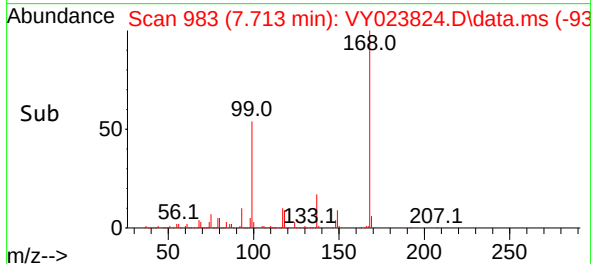
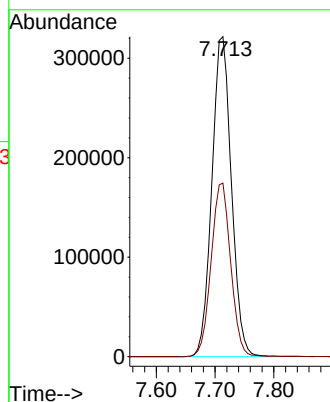
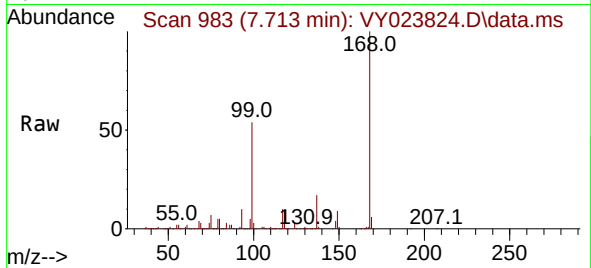




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

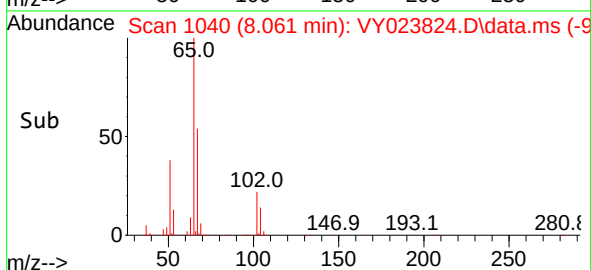
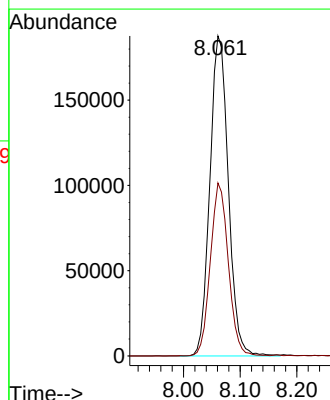
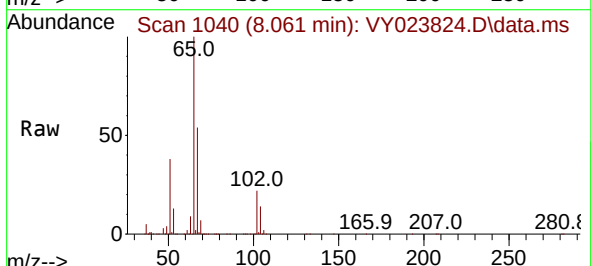
Instrument :
MSVOA_Y
ClientSampleId :
CC-1-112525

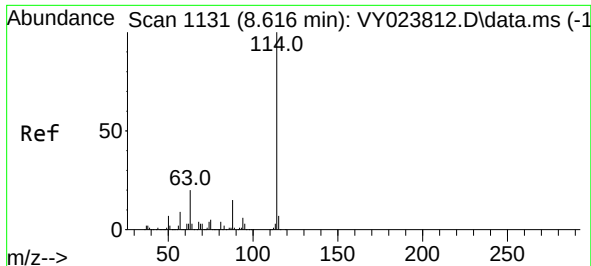
Tgt Ion:168 Resp: 743131
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 58.635 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Tgt Ion: 65 Resp: 424342
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

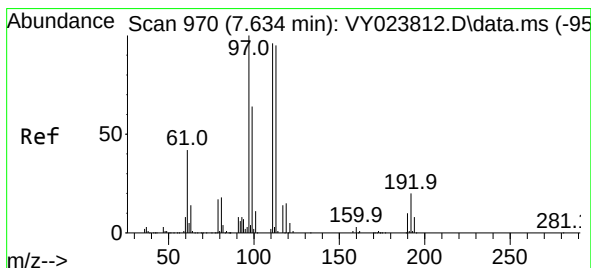
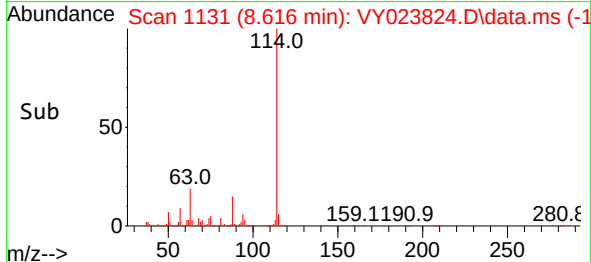
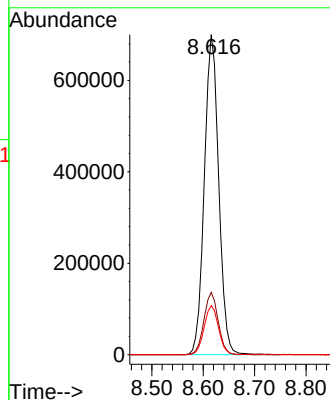
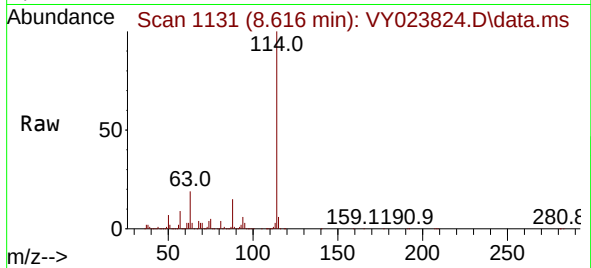




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

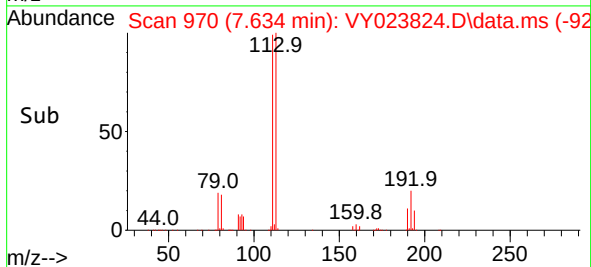
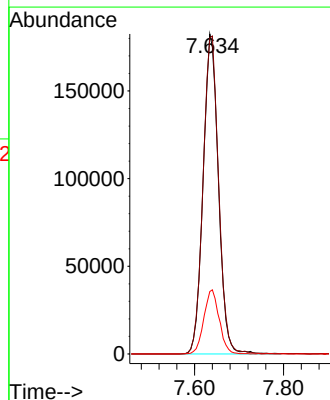
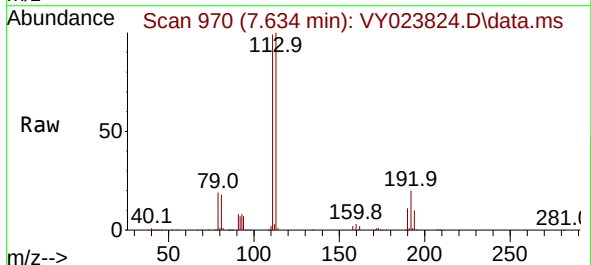
Instrument :
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ClientSampleId :
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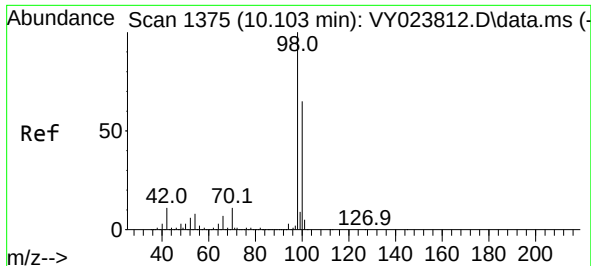
Tgt Ion:114 Resp: 1357603
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.4
88 15.4 0.0 30.8



#35
Dibromofluoromethane
Concen: 54.439 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Tgt Ion:113 Resp: 437815
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 20.1 15.8 23.8

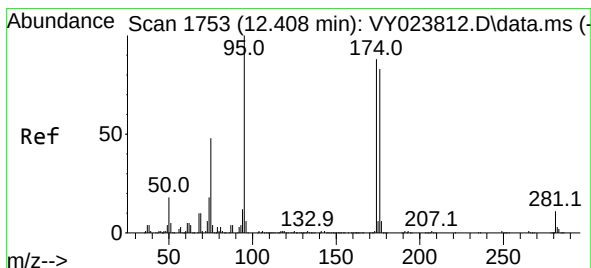
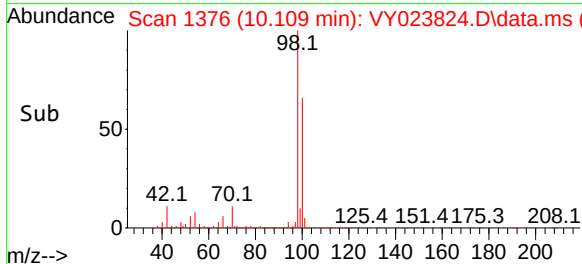
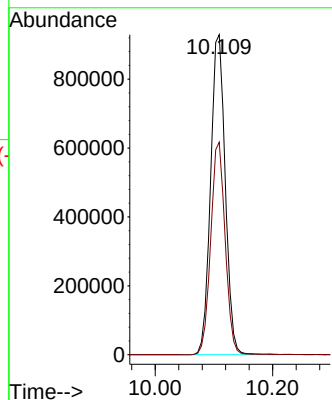
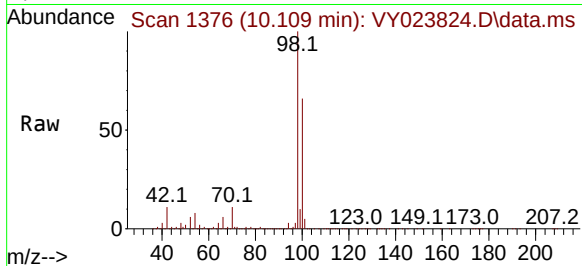




#50
Toluene-d8
Concen: 50.293 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

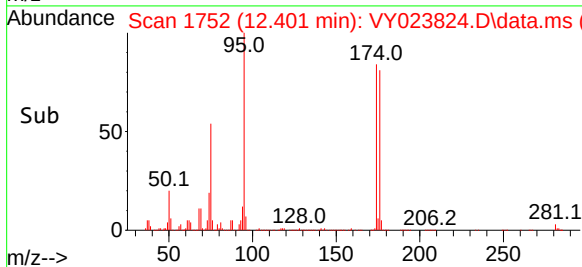
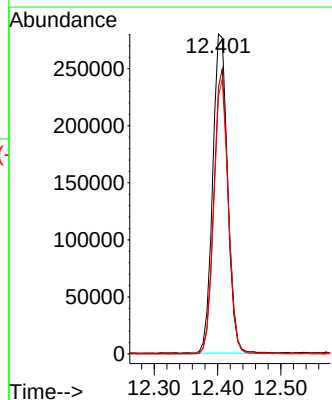
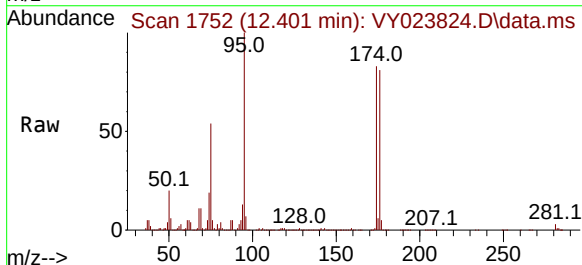
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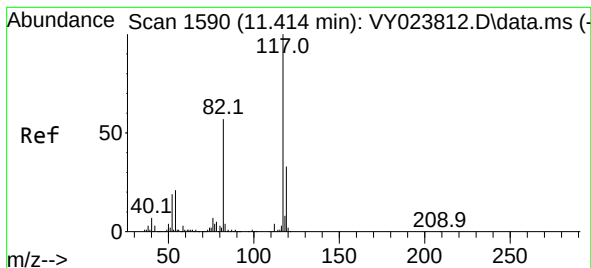
Tgt Ion: 98 Resp: 1606559
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.402 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY023824.D
Acq: 26 Nov 2025 14:08

Tgt Ion: 95 Resp: 456187
Ion Ratio Lower Upper
95 100
174 87.2 0.0 168.6
176 83.7 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

CC-1-112525

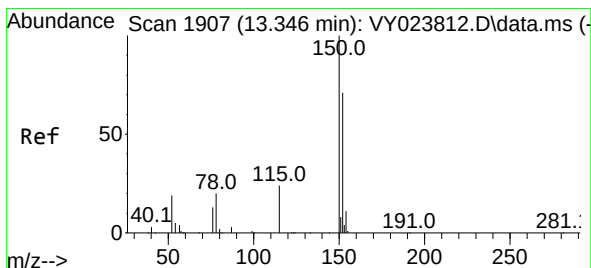
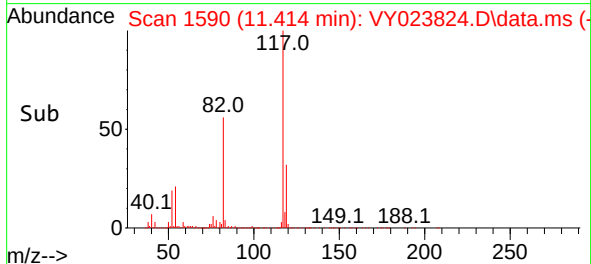
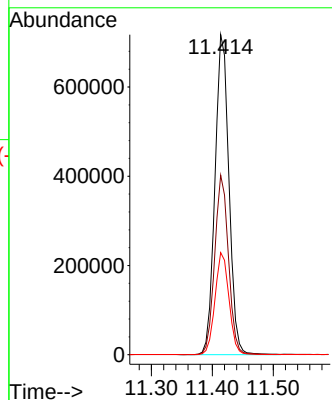
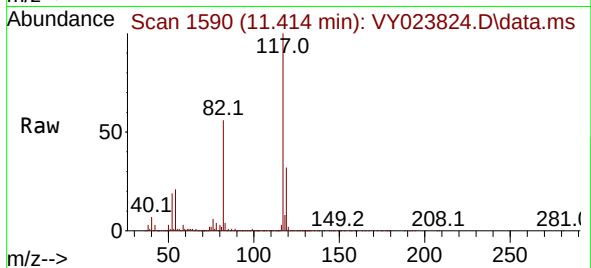
Tgt Ion:117 Resp: 1140399

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.0

119 31.9 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023824.D

Acq: 26 Nov 2025 14:08

Tgt Ion:152 Resp: 397660

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

150 157.4 0.0 345.6

