

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023764.D
 Acq On : 12 Nov 2025 15:21
 Operator : SY/MD
 Sample : Q3609-05
 Misc : 5.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-713-VOC-02

Quant Time: Nov 14 03:39:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	734904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1269960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1079147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	429003	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	356298	56.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.680%
35) Dibromofluoromethane	7.634	113	402421	50.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.420%
50) Toluene-d8	10.109	98	1420918	48.063	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.120%
62) 4-Bromofluorobenzene	12.408	95	415391	43.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.900%

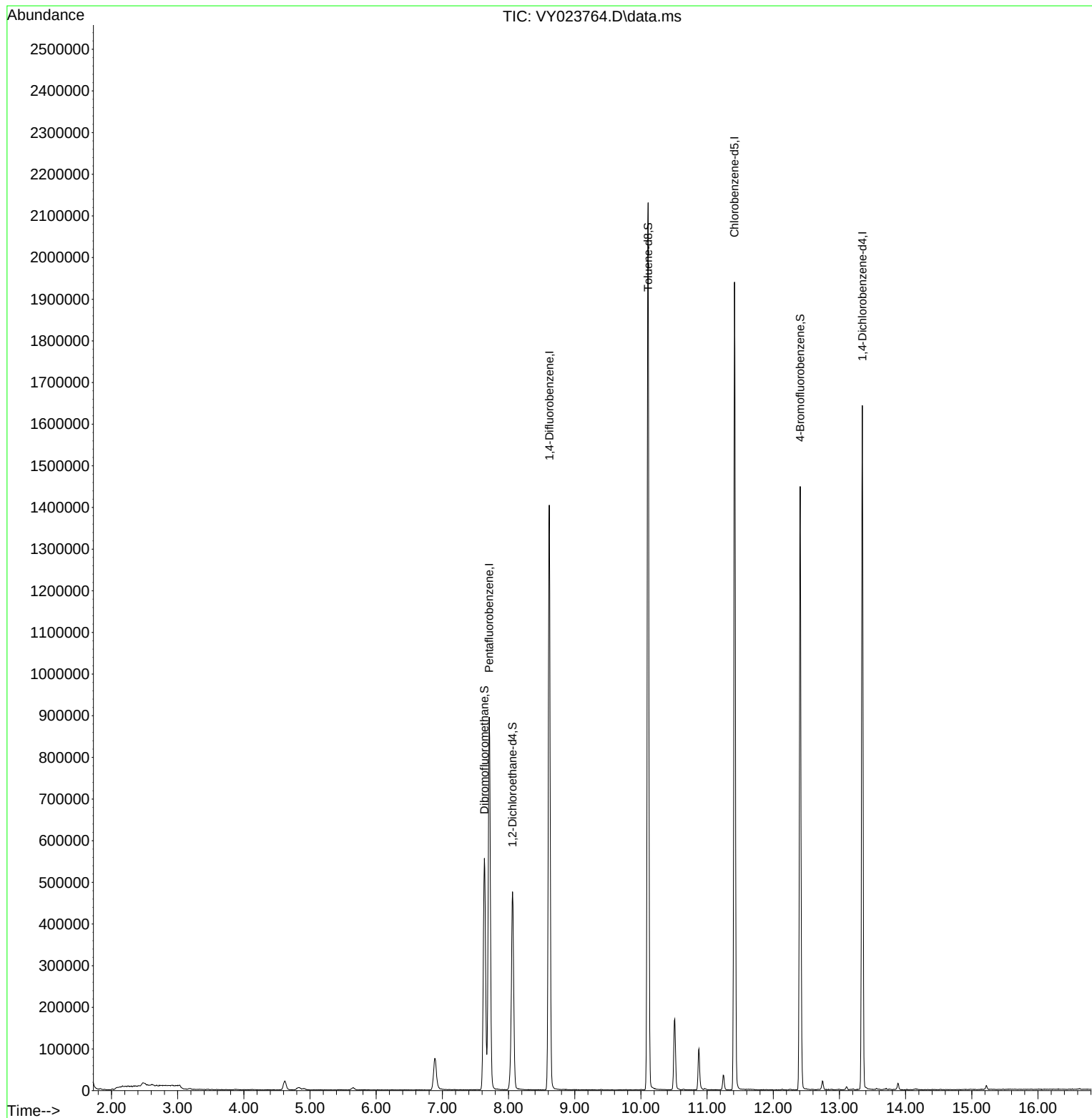
Target Compounds	Qvalue

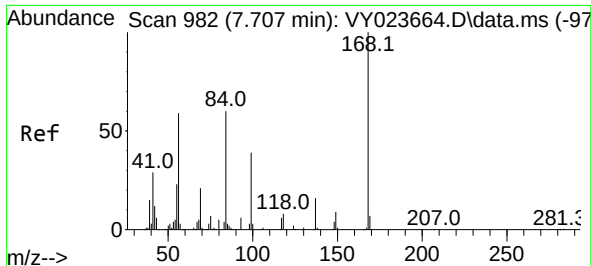
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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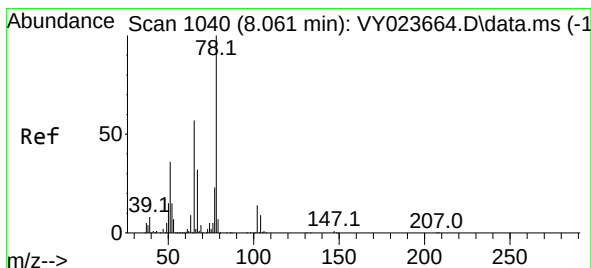
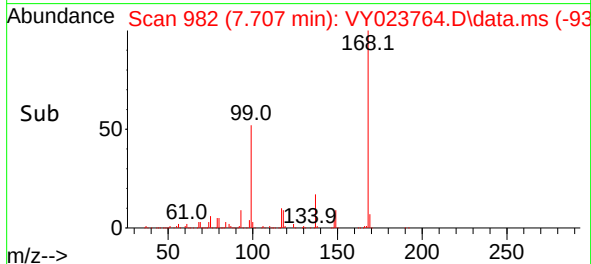
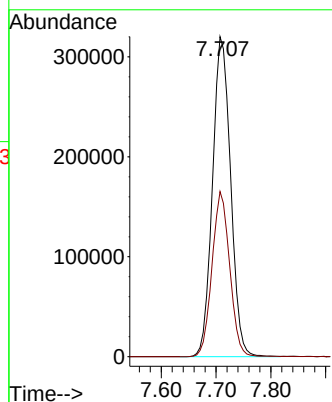
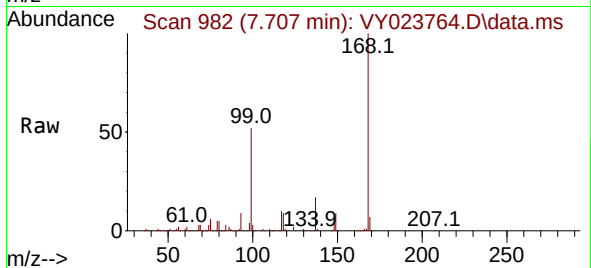




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

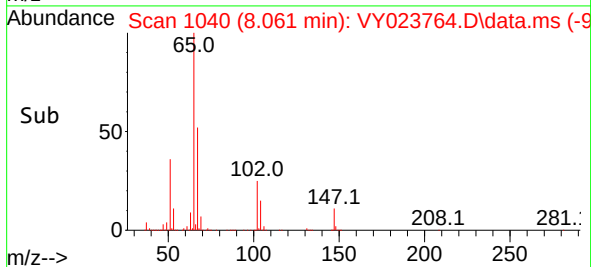
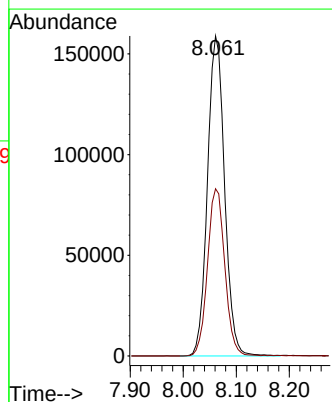
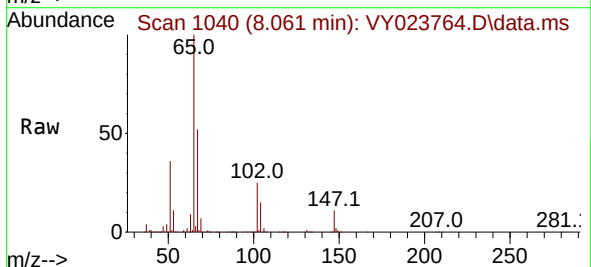
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-02

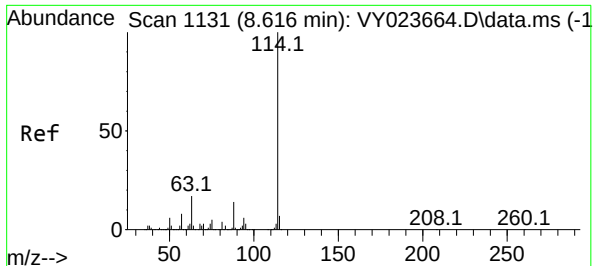
Tgt Ion:168 Resp: 734904
Ion Ratio Lower Upper
168 100
99 51.6 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 56.837 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 65 Resp: 356298
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4

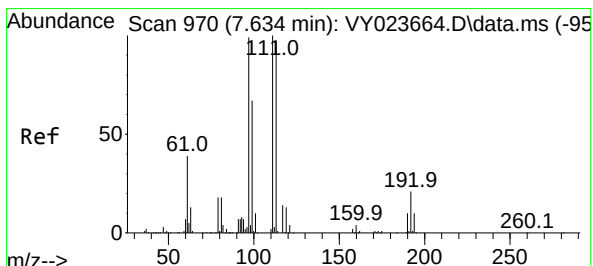
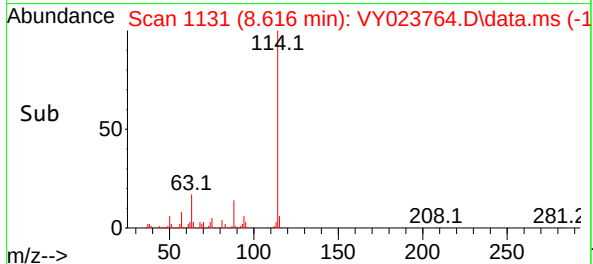
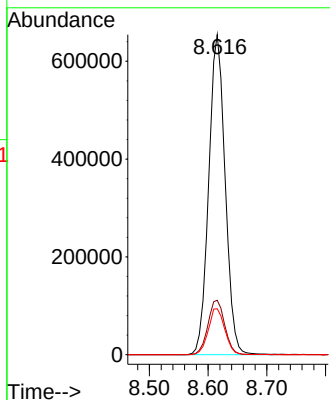
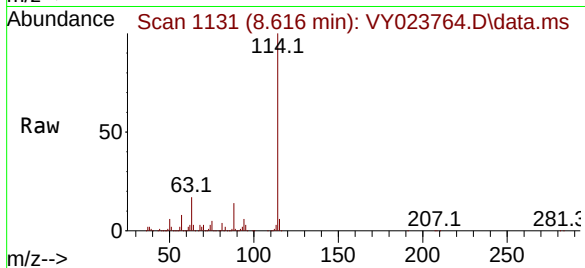




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

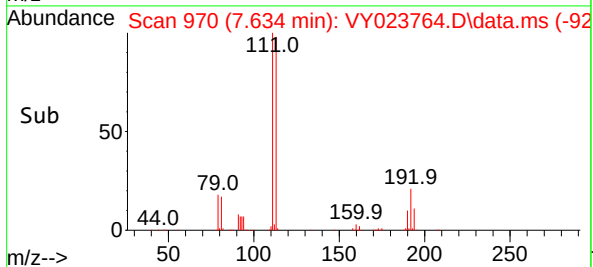
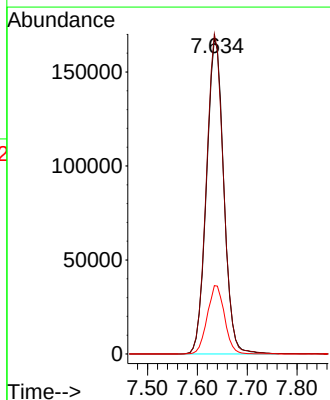
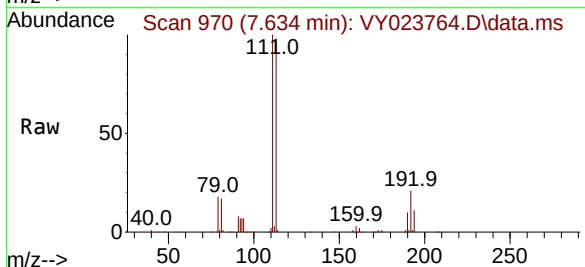
Instrument :
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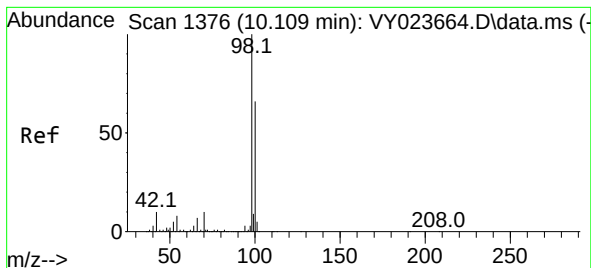
Tgt Ion:114 Resp: 1269960
Ion Ratio Lower Upper
114 100
63 17.0 0.0 33.8
88 14.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.706 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion:113 Resp: 402421
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 21.7 17.3 25.9

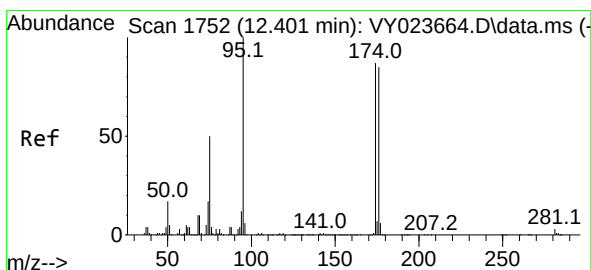
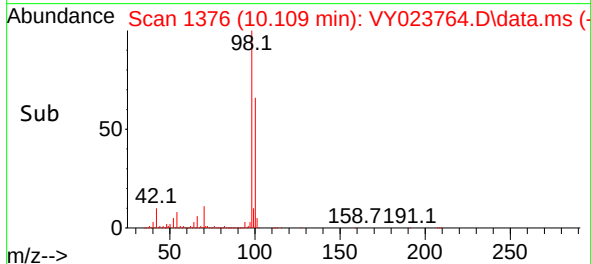
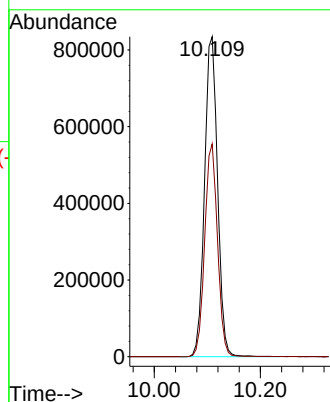
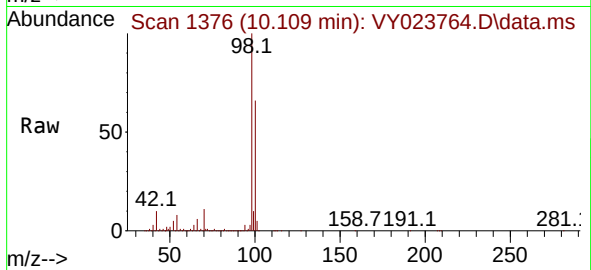




#50
Toluene-d8
Concen: 48.063 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

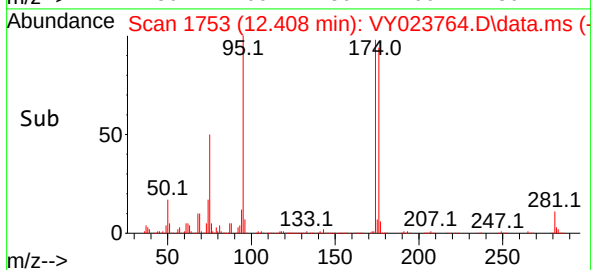
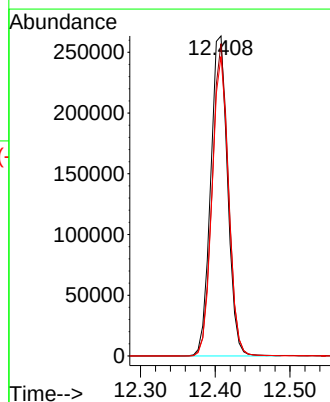
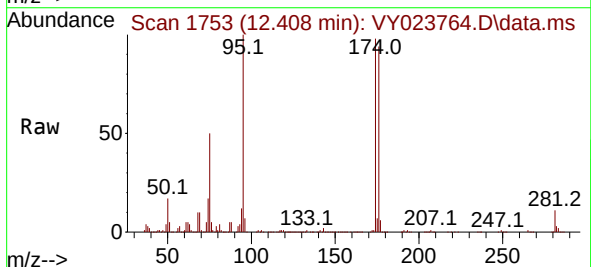
Instrument :
MSVOA_Y
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AU-713-VOC-02

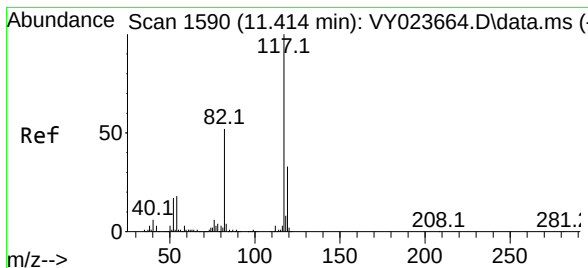
Tgt Ion: 98 Resp: 1420918
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 43.448 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 95 Resp: 415391
Ion Ratio Lower Upper
95 100
174 94.0 0.0 184.8
176 91.1 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023764.D

Acq: 12 Nov 2025 15:21

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-02

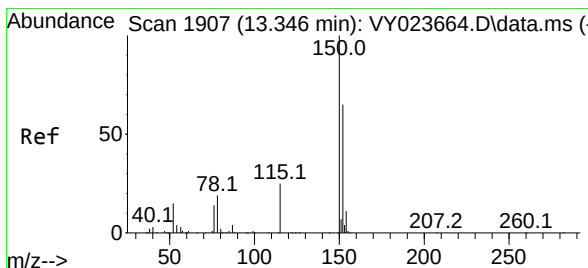
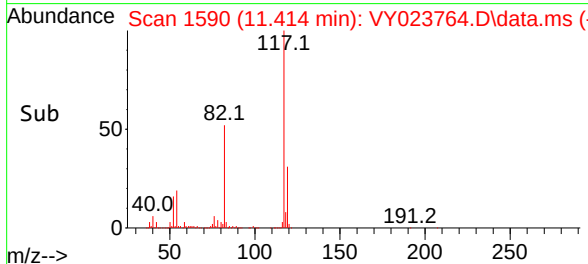
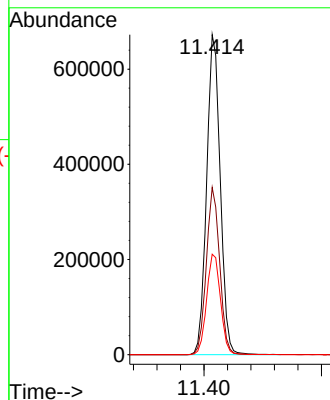
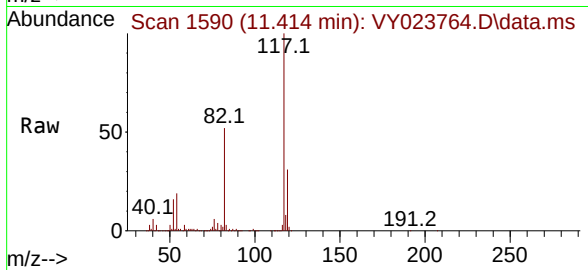
Tgt Ion:117 Resp: 1079147

Ion Ratio Lower Upper

117 100

82 52.3 41.2 61.8

119 31.4 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023764.D

Acq: 12 Nov 2025 15:21

Tgt Ion:152 Resp: 429003

Ion Ratio Lower Upper

152 100

115 55.9 27.5 82.5

150 158.3 0.0 349.0

