

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023782.D
 Acq On : 13 Nov 2025 13:25
 Operator : SY/MD
 Sample : Q3628-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5-VOC

Quant Time: Nov 14 04:26:09 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	7.713	168	780336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1386985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1184875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	550063	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	396686	59.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.200%
35) Dibromofluoromethane	7.634	113	449682	51.880	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.760%
50) Toluene-d8	10.103	98	1580690	48.956	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.920%
62) 4-Bromofluorobenzene	12.402	95	554846	53.138	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.280%

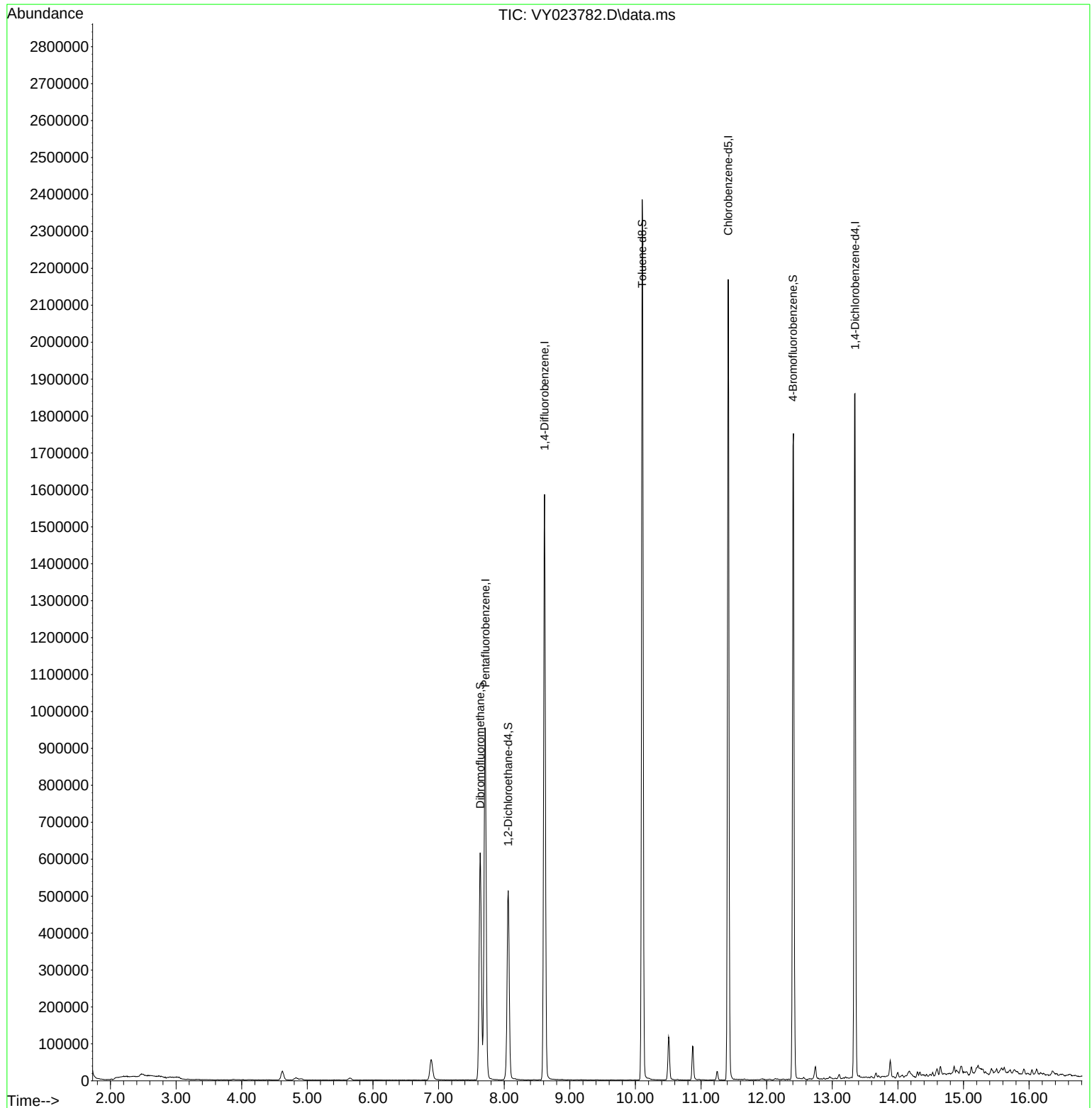
Target Compounds	Qvalue

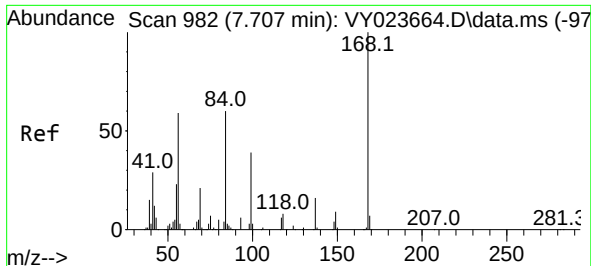
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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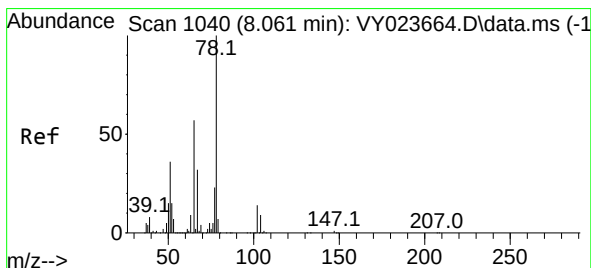
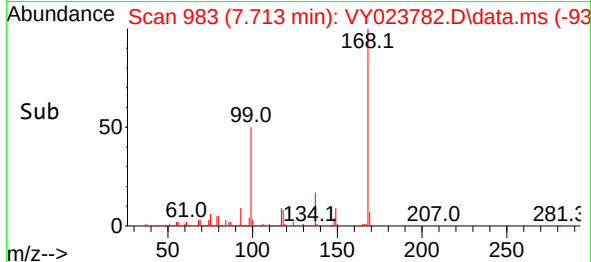
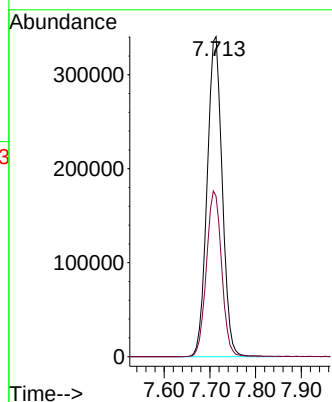
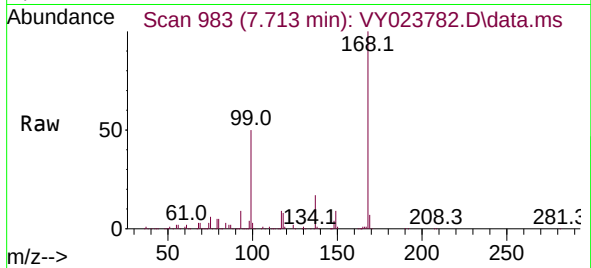




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

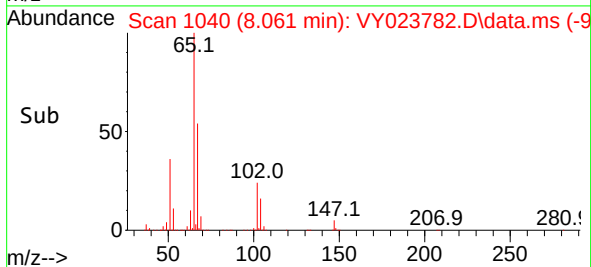
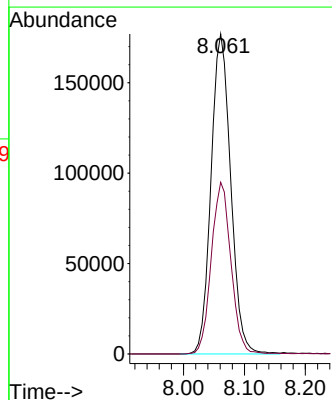
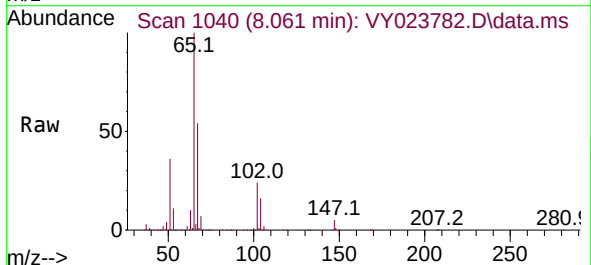
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

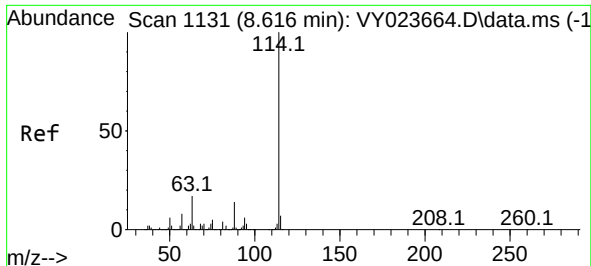
Tgt Ion:168 Resp: 780336
Ion Ratio Lower Upper
168 100
99 50.1 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 59.595 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion: 65 Resp: 396686
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.4

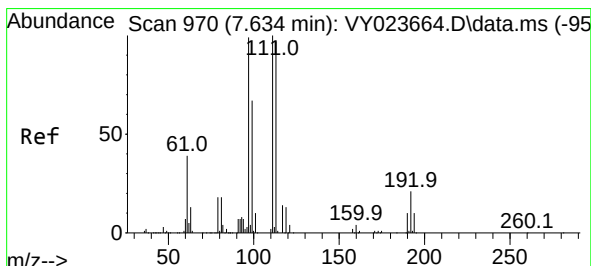
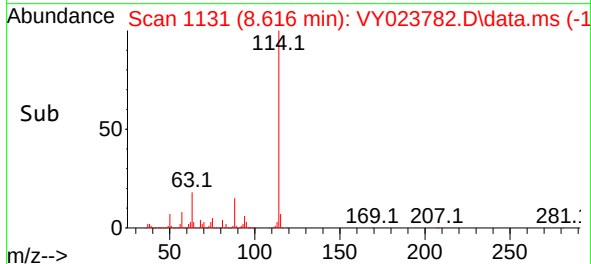
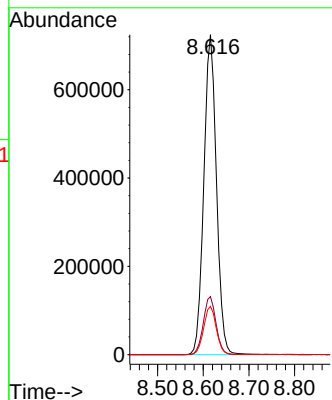
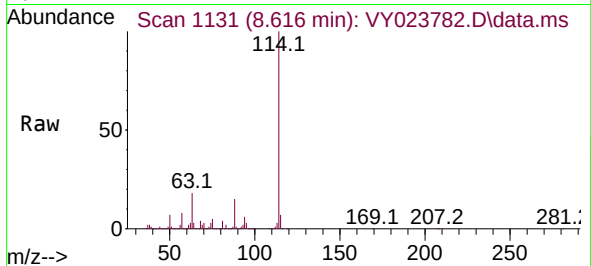




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

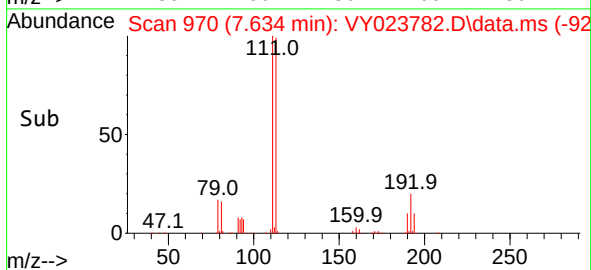
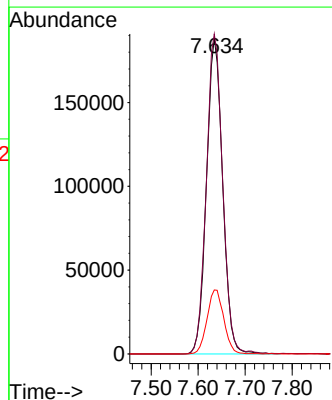
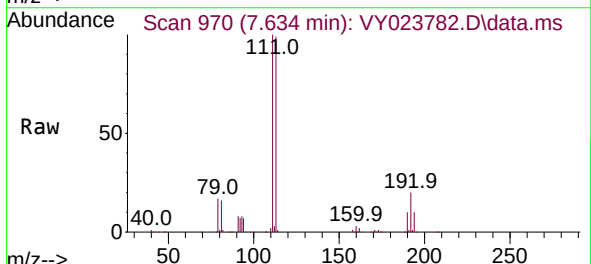
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

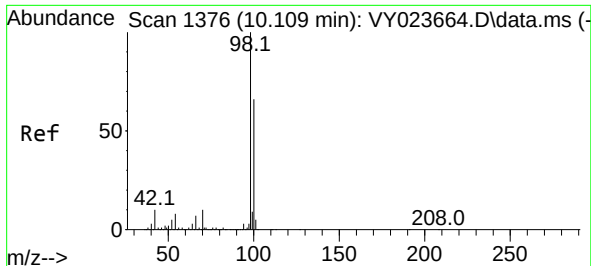
Tgt Ion:114 Resp: 1386985
Ion Ratio Lower Upper
114 100
63 18.1 0.0 33.8
88 15.1 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.880 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion:113 Resp: 449682
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 21.0 17.3 25.9

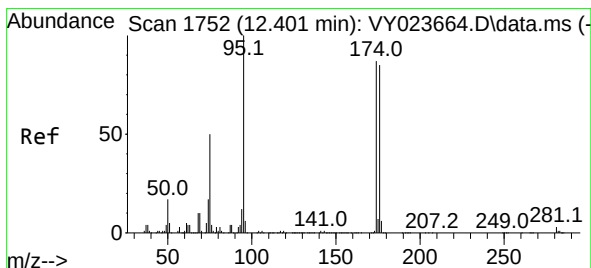
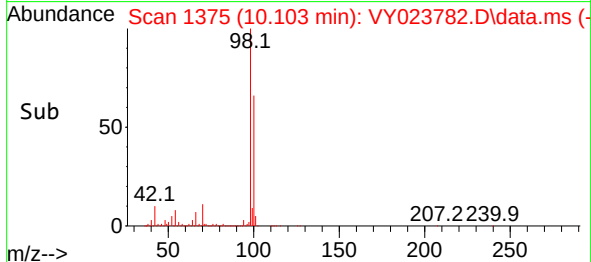
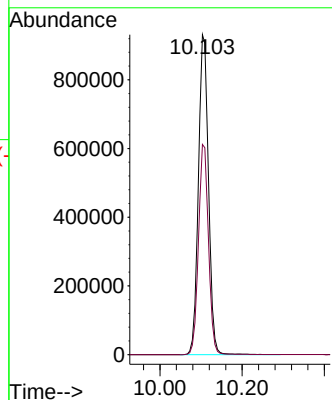
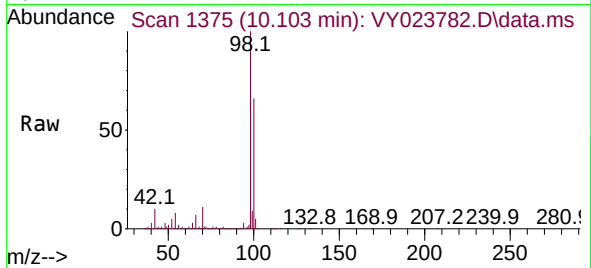




#50
Toluene-d8
Concen: 48.956 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

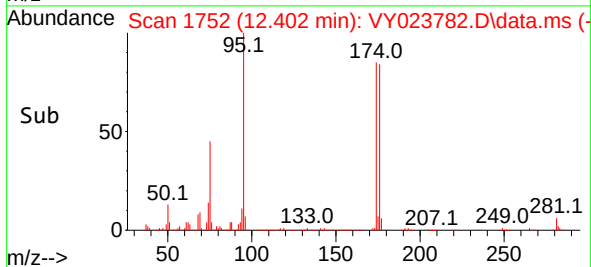
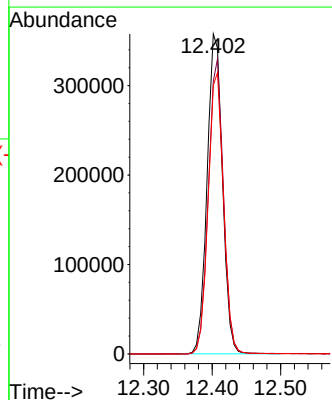
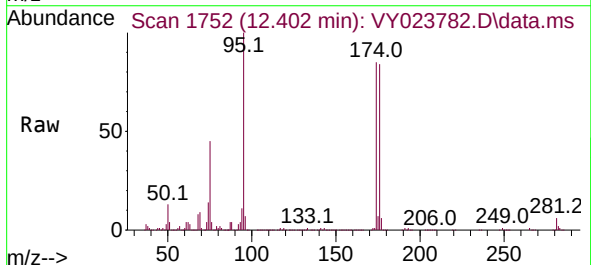
Instrument :
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TP-5-VOC

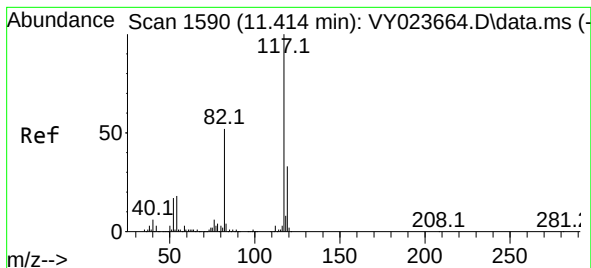
Tgt Ion: 98 Resp: 1580690
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 53.138 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion: 95 Resp: 554846
Ion Ratio Lower Upper
95 100
174 90.6 0.0 184.8
176 88.0 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: VY023782.D

Acq: 13 Nov 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC

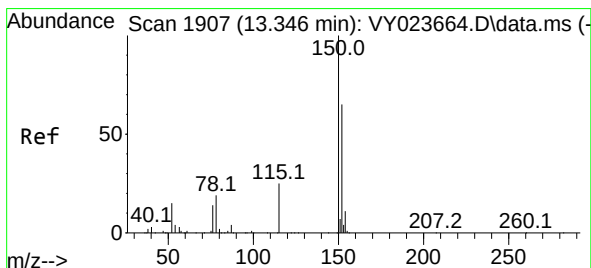
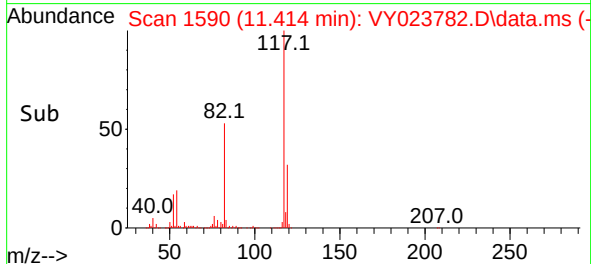
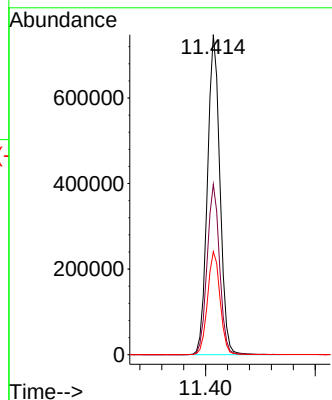
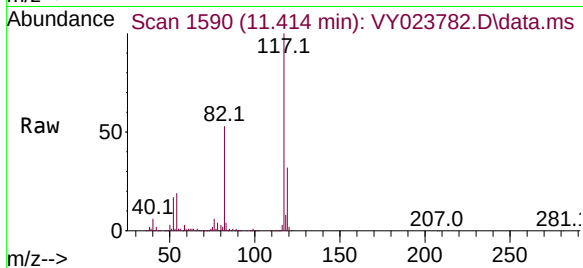
Tgt Ion:117 Resp: 1184875

Ion Ratio Lower Upper

117 100

82 53.2 41.2 61.8

119 32.2 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023782.D

Acq: 13 Nov 2025 13:25

Tgt Ion:152 Resp: 550063

Ion Ratio Lower Upper

152 100

115 56.4 27.5 82.5

150 155.3 0.0 349.0

