

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023028.D
 Acq On : 21 Jul 2025 15:46
 Operator : SY/MD
 Sample : Q2649-19
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

Quant Time: Jul 22 04:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	273967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	534713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	252803	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	177510	64.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.000%
35) Dibromofluoromethane	7.634	113	178441	52.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.220%
50) Toluene-d8	10.103	98	672290	49.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.401	95	246251	58.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.320%

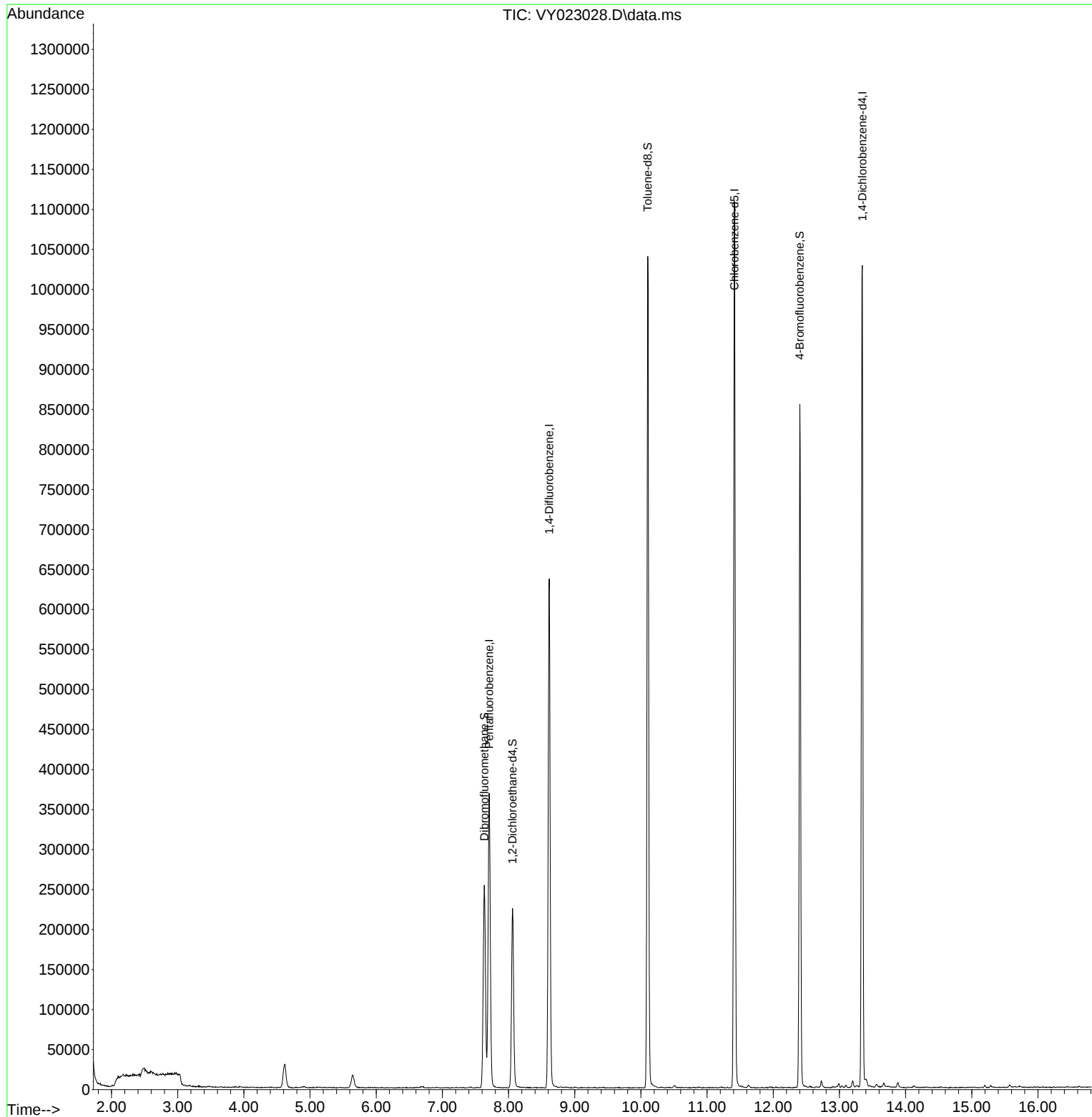
Target Compounds	Qvalue

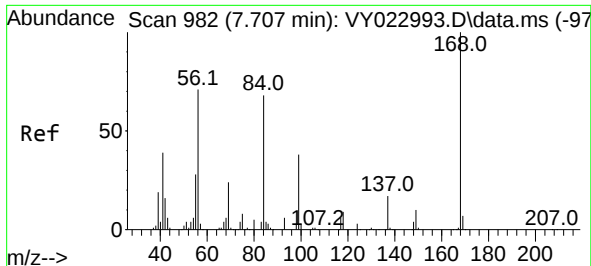
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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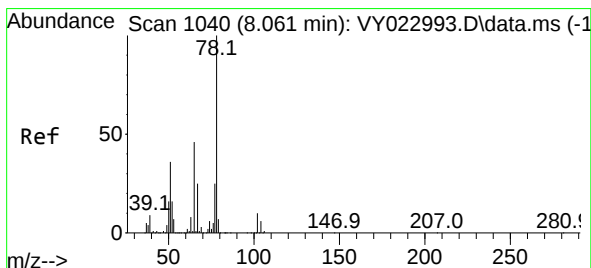
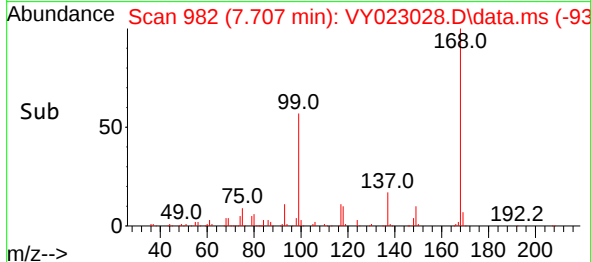
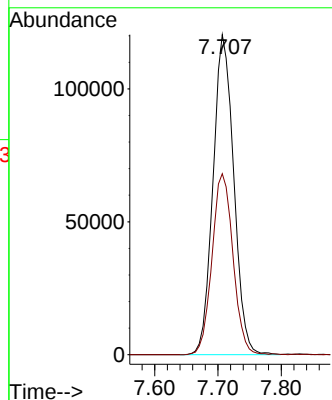
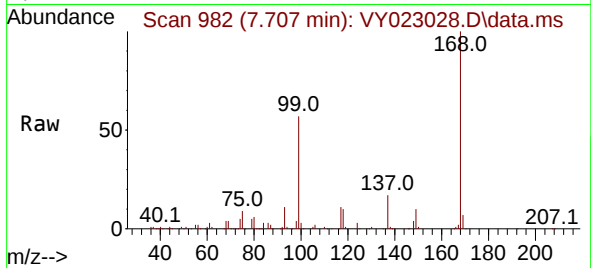




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

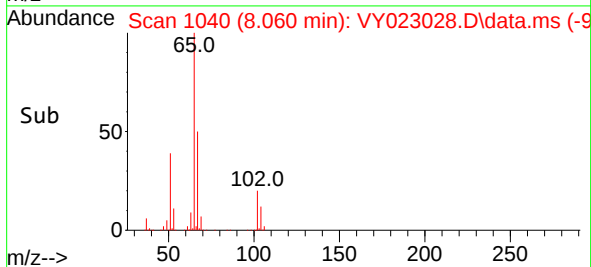
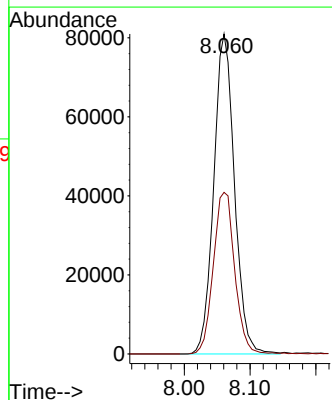
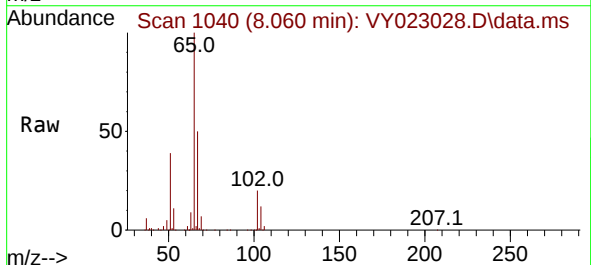
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

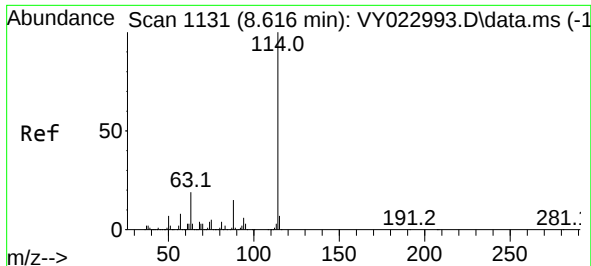
Tgt Ion:168 Resp: 273967
Ion Ratio Lower Upper
168 100
99 56.6 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 64.003 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion: 65 Resp: 177510
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4

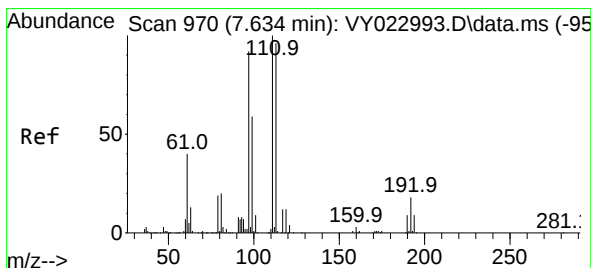
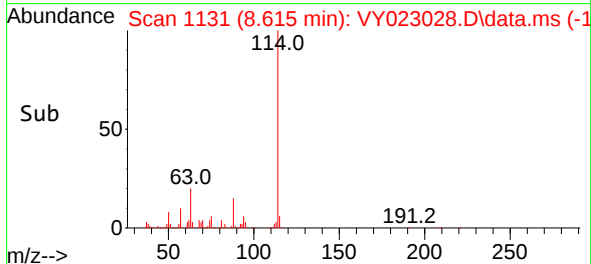
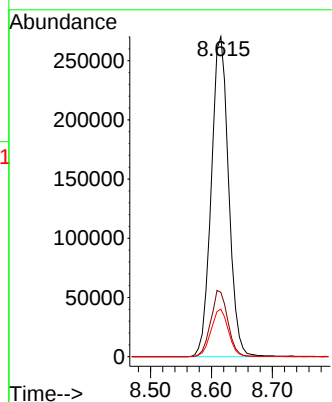
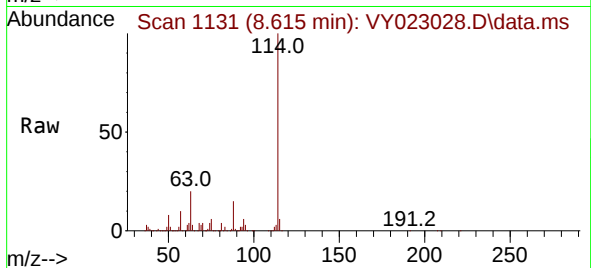




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

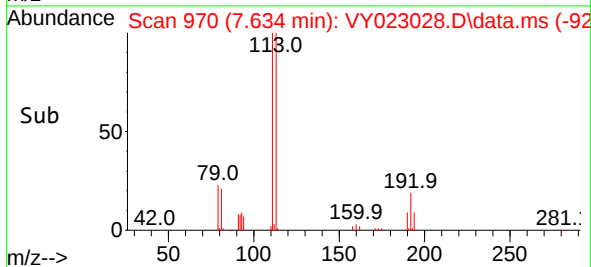
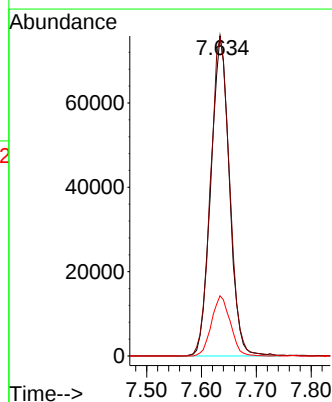
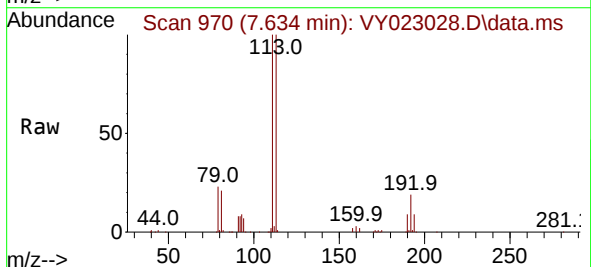
Instrument :
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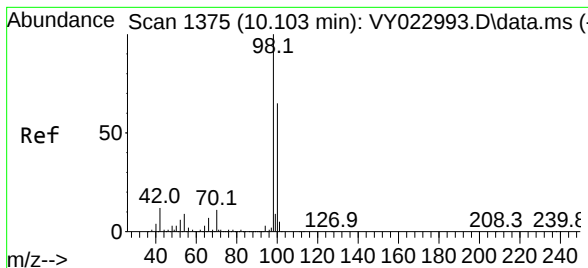
Tgt Ion:114 Resp: 534713
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.8
88 14.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.608 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion:113 Resp: 178441
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 18.9 15.3 22.9

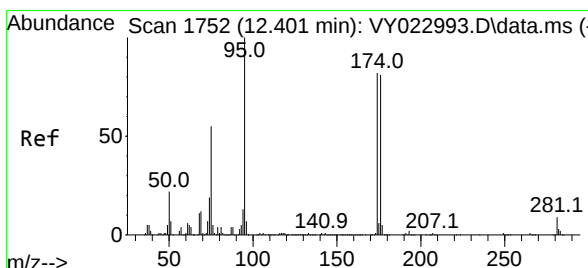
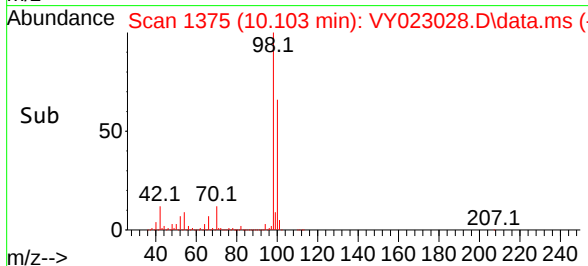
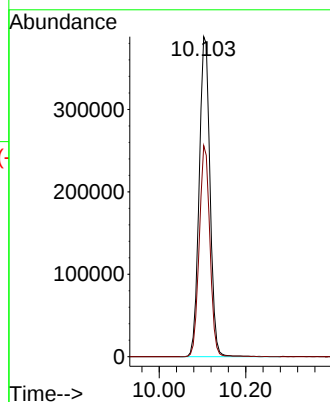
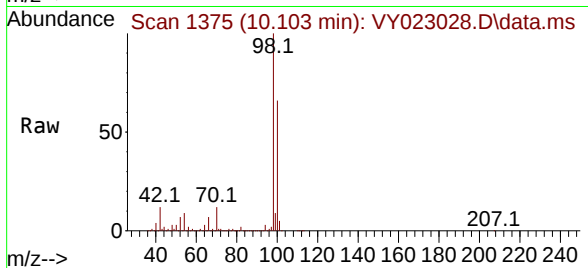




#50
Toluene-d8
Concen: 49.981 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

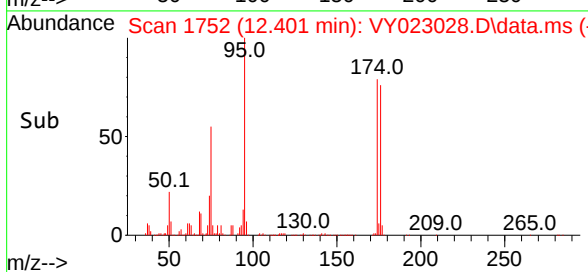
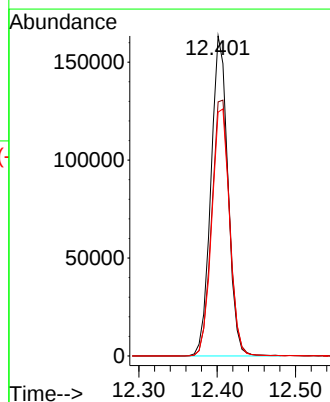
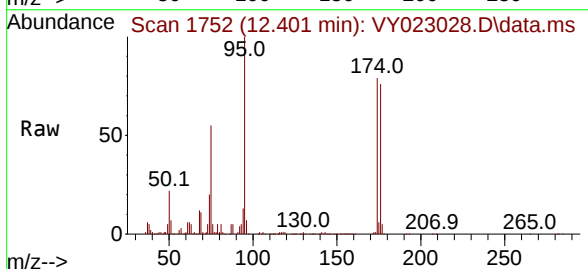
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

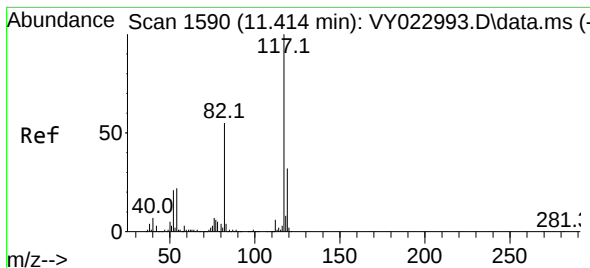
Tgt Ion: 98 Resp: 672290
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 58.159 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion: 95 Resp: 246251
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 81.1 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023028.D

Acq: 21 Jul 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

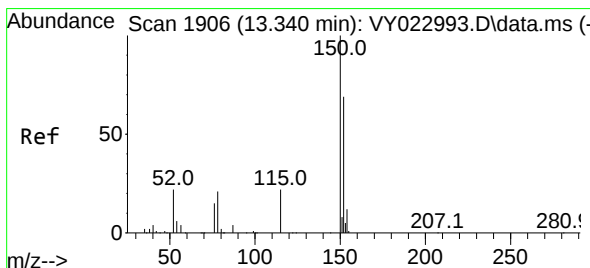
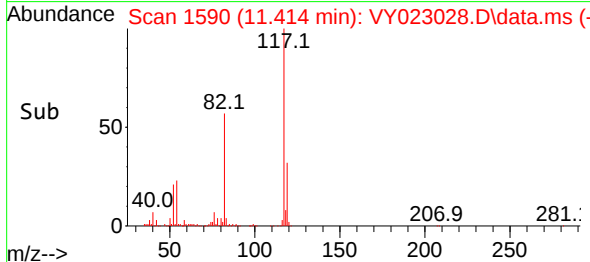
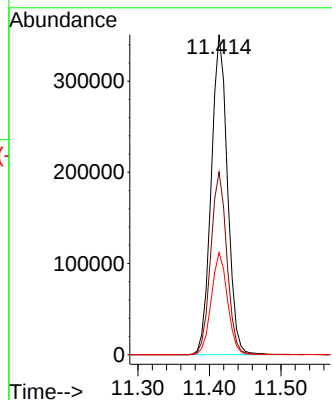
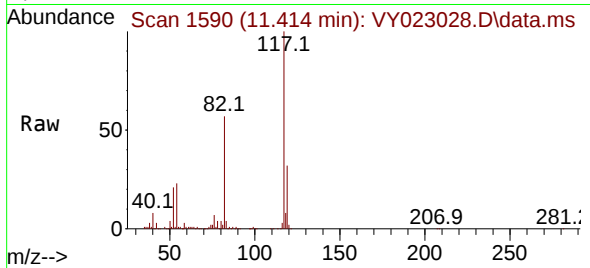
Tgt Ion:117 Resp: 554420

Ion Ratio Lower Upper

117 100

82 57.1 44.3 66.5

119 31.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023028.D

Acq: 21 Jul 2025 15:46

Tgt Ion:152 Resp: 252803

Ion Ratio Lower Upper

152 100

115 59.1 29.4 88.2

150 160.3 0.0 350.0

