

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023027.D
 Acq On : 21 Jul 2025 15:23
 Operator : SY/MD
 Sample : Q2649-15
 Misc : 4.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Jul 22 04:52:47 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	281000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	541720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	254543	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	175460	61.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.360%
35) Dibromofluoromethane	7.634	113	178391	51.913	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.820%
50) Toluene-d8	10.103	98	674787	49.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.401	95	247311	57.653	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	115.300%

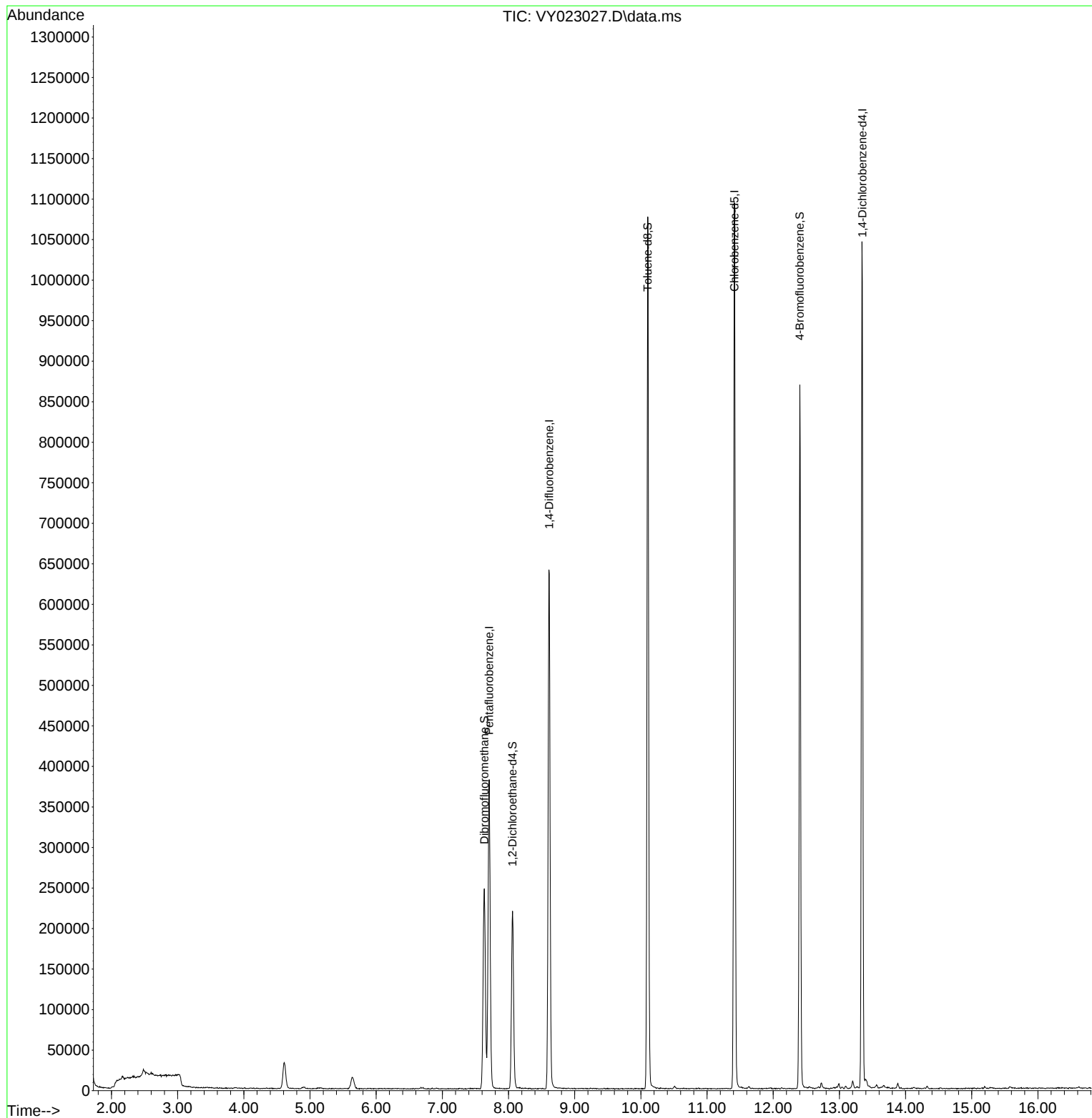
Target Compounds	Qvalue

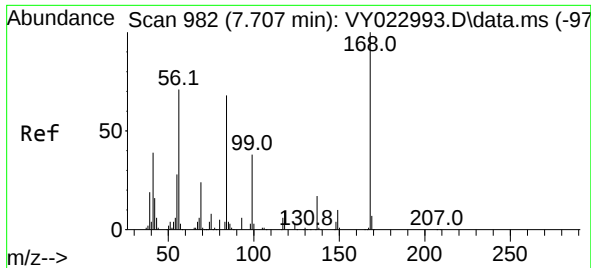
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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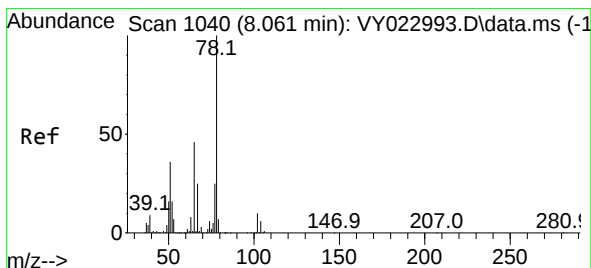
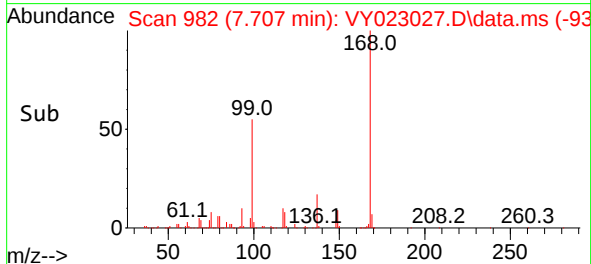
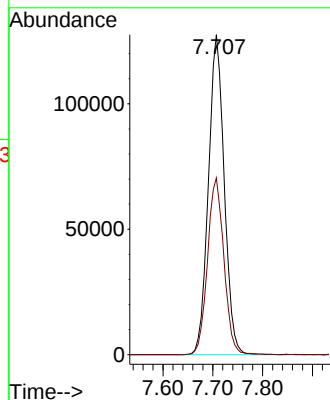
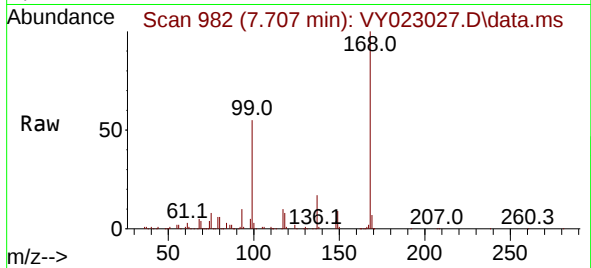




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

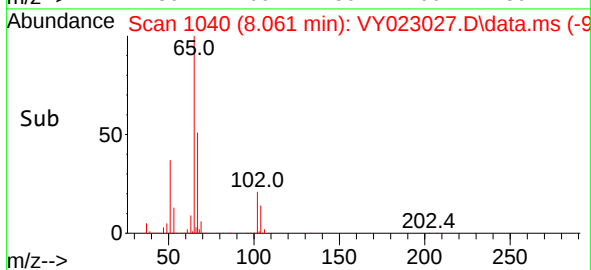
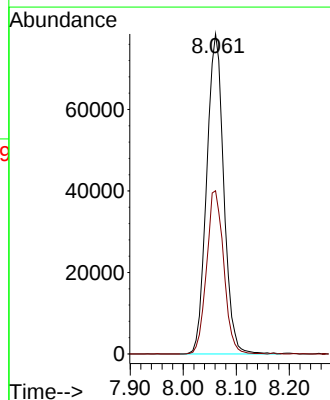
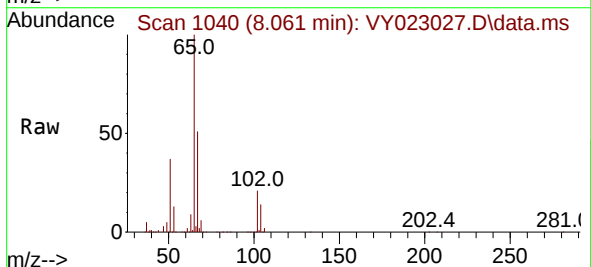
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

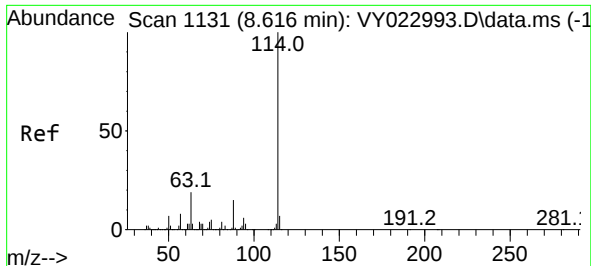
Tgt Ion:168 Resp: 281000
Ion Ratio Lower Upper
168 100
99 55.3 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 61.681 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Tgt Ion: 65 Resp: 175460
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

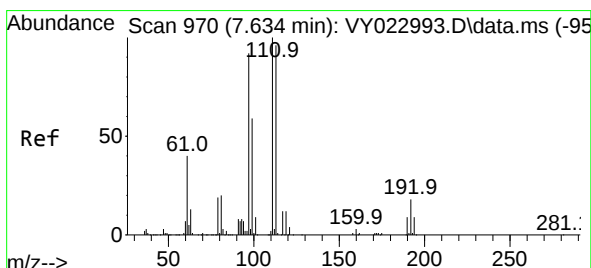
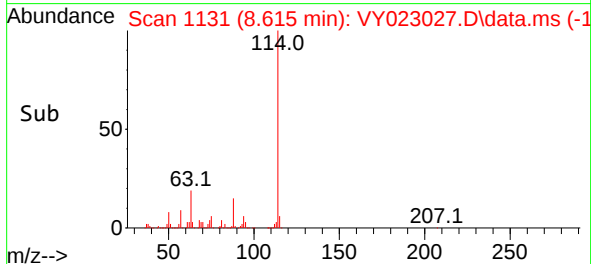
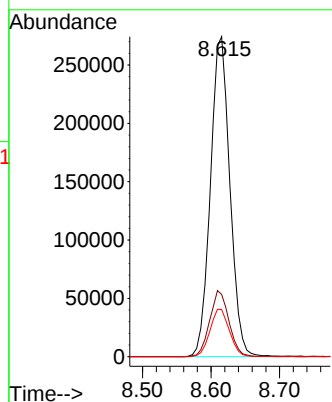
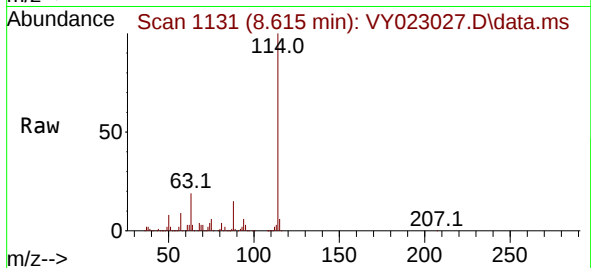




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

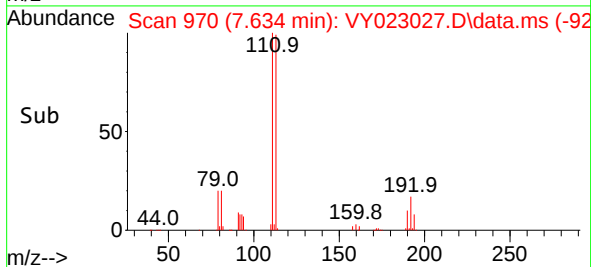
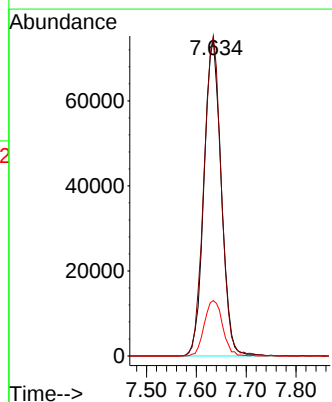
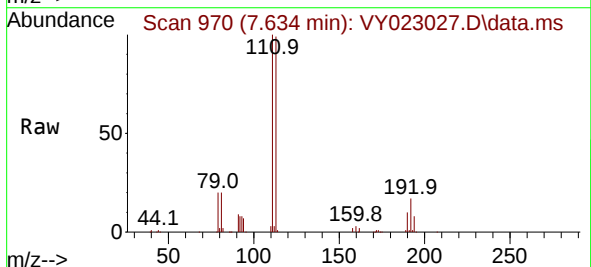
Instrument :
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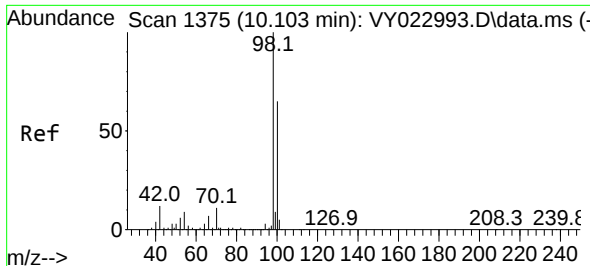
Tgt Ion:114 Resp: 541720
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.8
88 14.7 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.913 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Tgt Ion:113 Resp: 178391
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 18.6 15.3 22.9

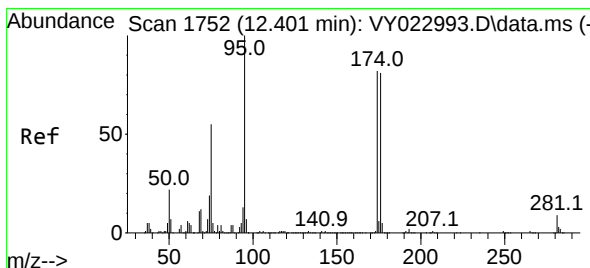
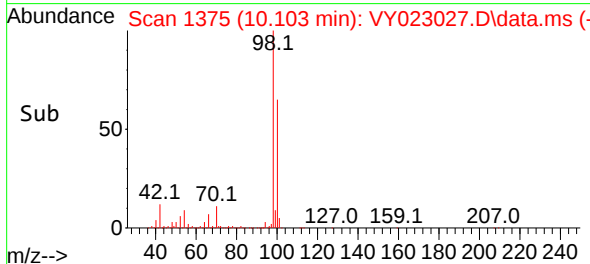
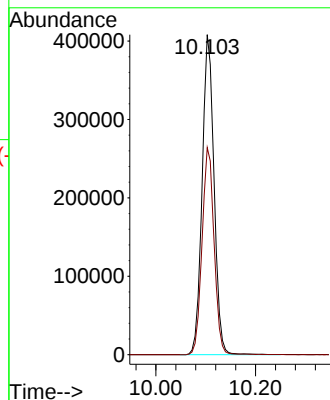
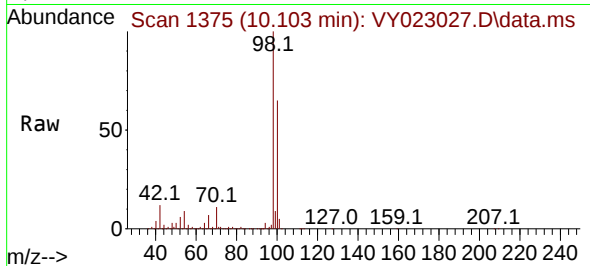




#50
Toluene-d8
Concen: 49.518 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

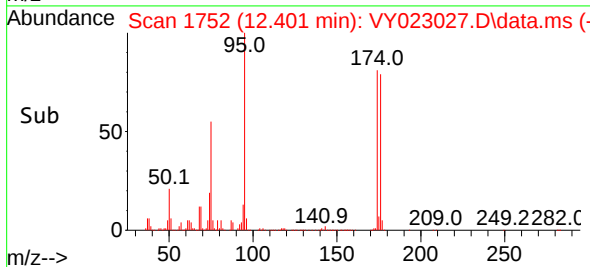
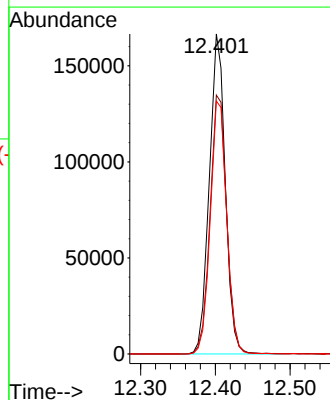
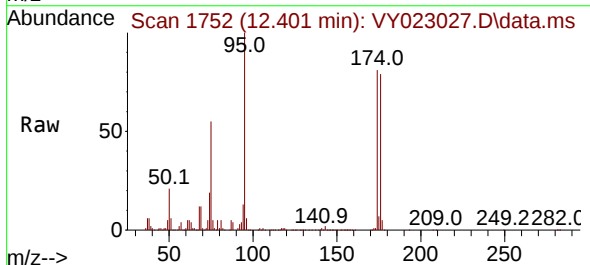
Instrument :
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ClientSampleId :
WC-4-VOC

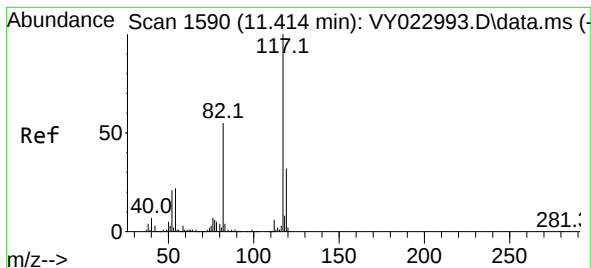
Tgt Ion: 98 Resp: 674787
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 57.653 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Tgt Ion: 95 Resp: 247311
Ion Ratio Lower Upper
95 100
174 84.4 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: VY023027.D

Acq: 21 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

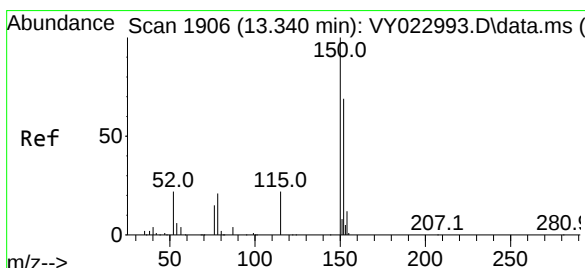
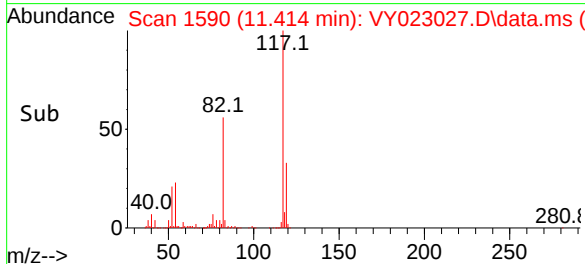
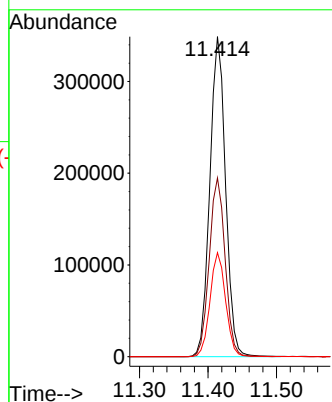
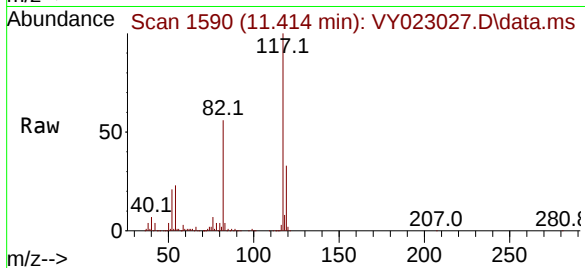
Tgt Ion:117 Resp: 556509

Ion Ratio Lower Upper

117 100

82 55.9 44.3 66.5

119 32.5 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: VY023027.D

Acq: 21 Jul 2025 15:23

Tgt Ion:152 Resp: 254543

Ion Ratio Lower Upper

152 100

115 59.1 29.4 88.2

150 160.3 0.0 350.0

