

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
 Data File : VY021522.D
 Acq On : 13 Mar 2025 13:58
 Operator : SY/MD
 Sample : Q1542-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Mar 14 14:56:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	135626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	228055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	188696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	65866	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	79001	55.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.220%
35) Dibromofluoromethane	7.628	113	79482	53.022	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.040%
50) Toluene-d8	10.103	98	270863	47.722	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.408	95	72508	37.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.120%

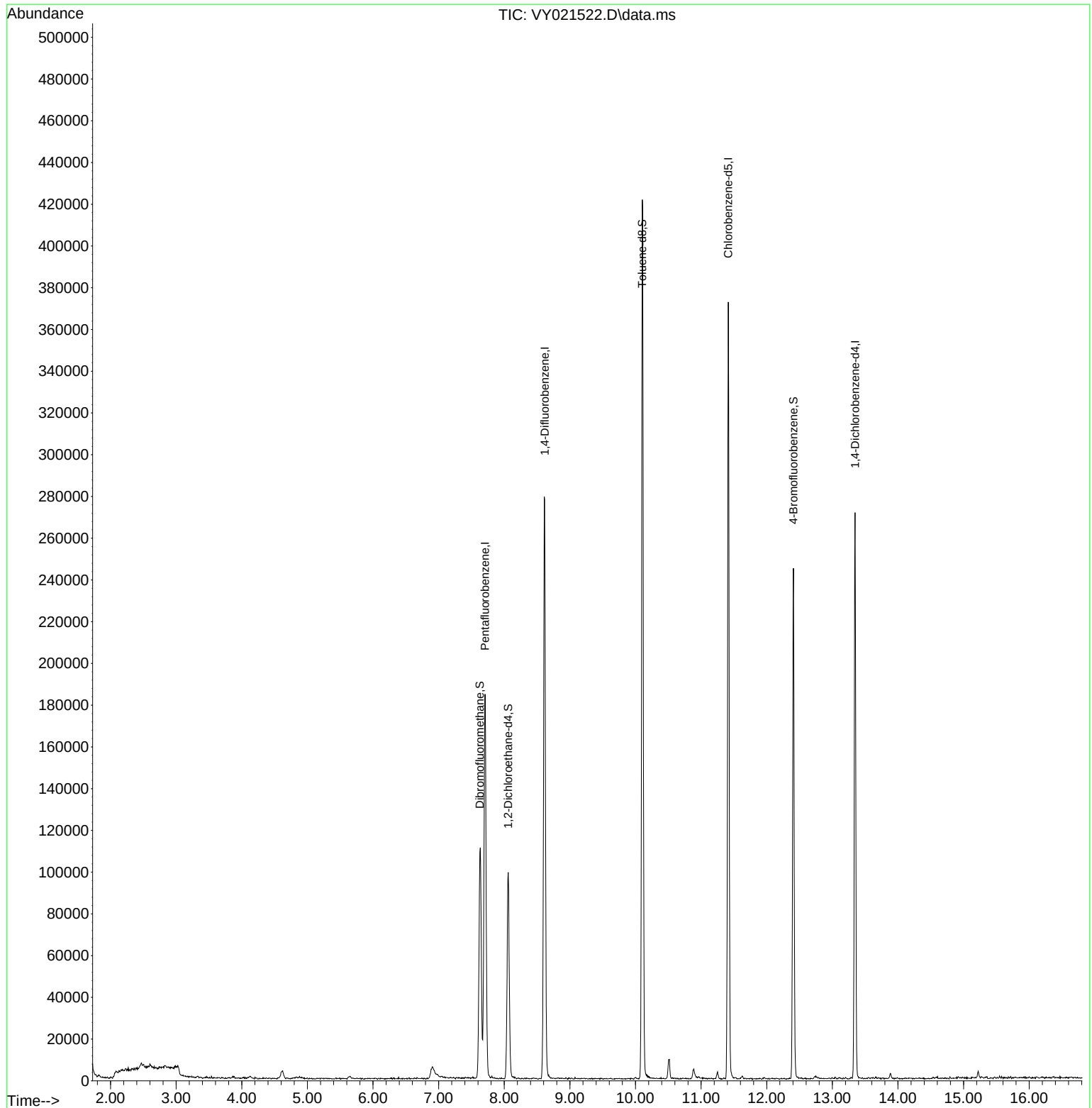
Target Compounds	Qvalue

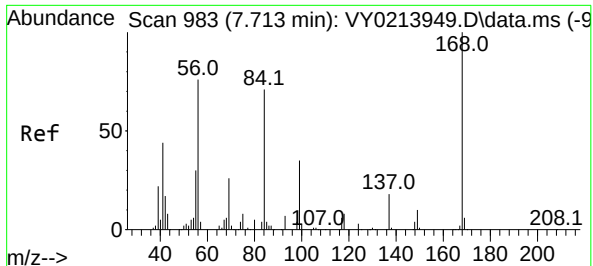
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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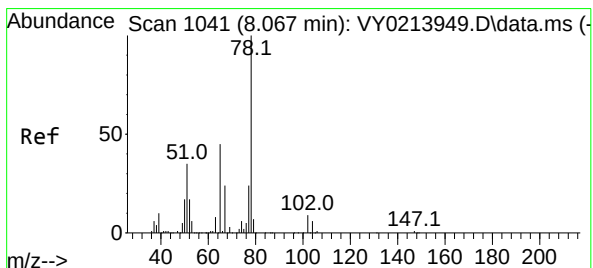
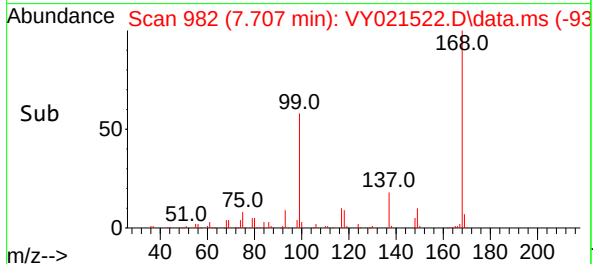
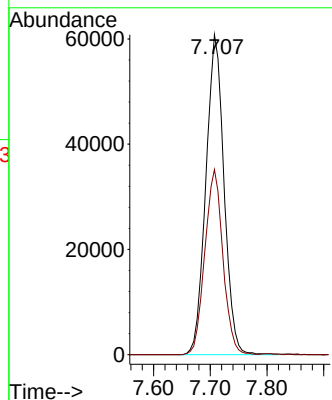
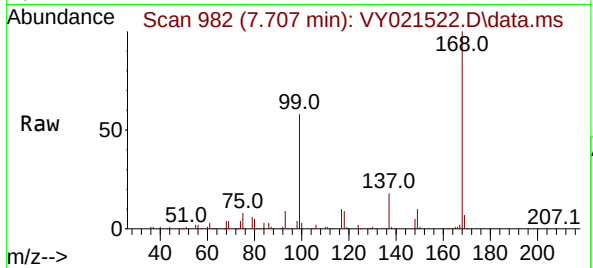




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

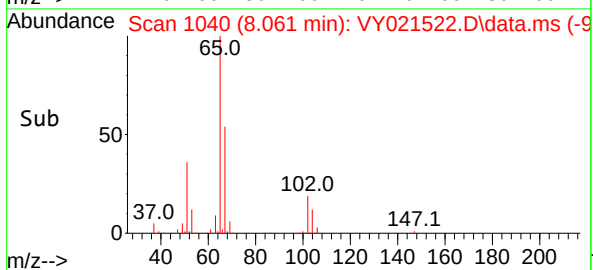
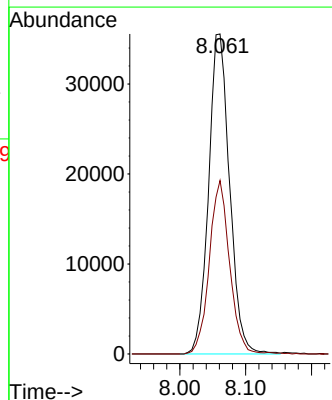
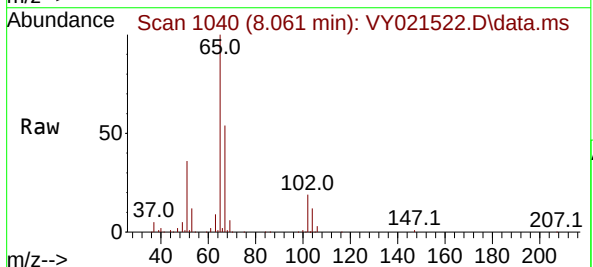
Instrument :
MSVOA_Y
ClientSampleId :
VOC

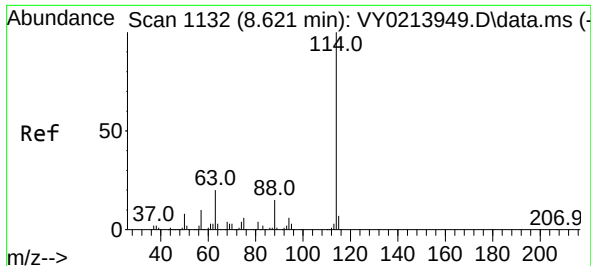
Tgt Ion:168 Resp: 135626
Ion Ratio Lower Upper
168 100
99 57.9 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 55.111 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Tgt Ion: 65 Resp: 79001
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.8

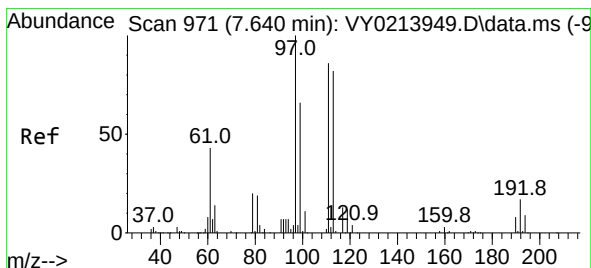
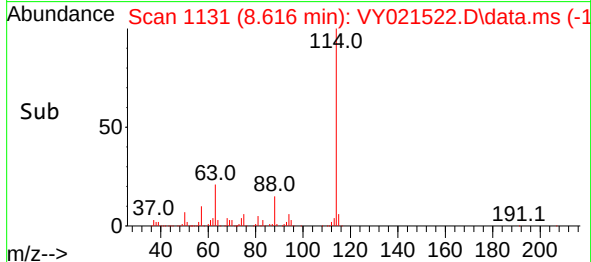
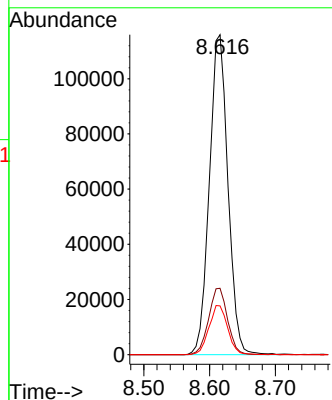
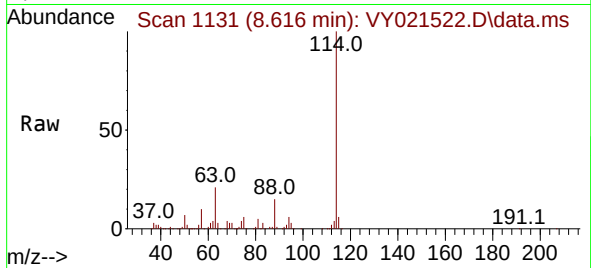




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

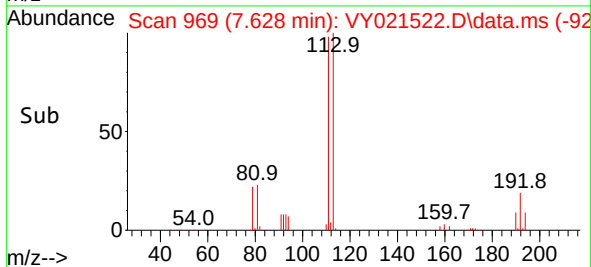
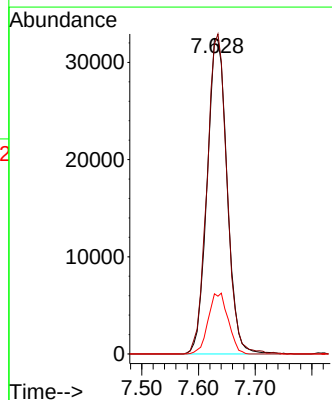
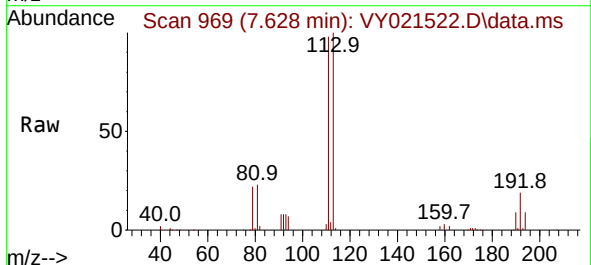
Instrument :
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ClientSampleId :
VOC

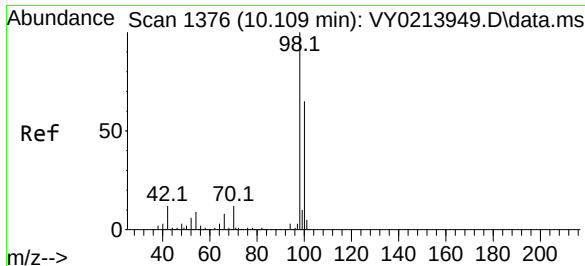
Tgt Ion:114 Resp: 228055
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.022 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Tgt Ion:113 Resp: 79482
Ion Ratio Lower Upper
113 100
111 101.2 82.0 123.0
192 19.2 15.9 23.9

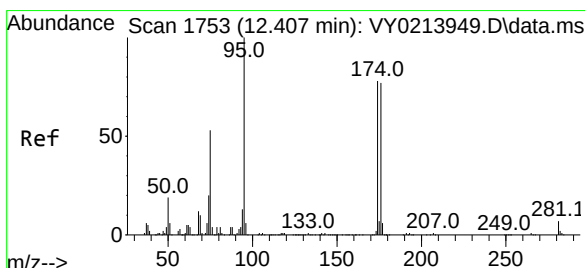
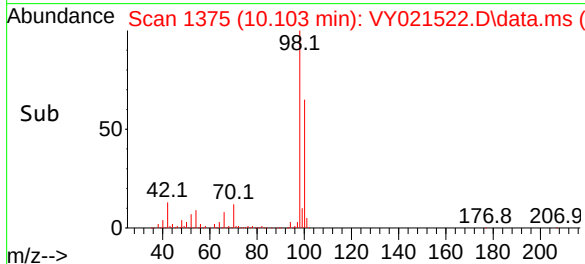
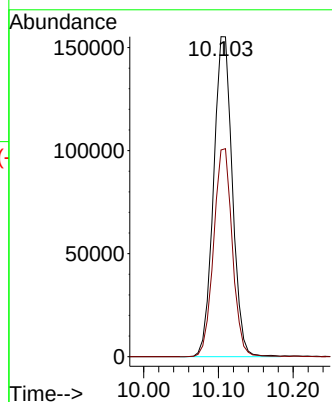
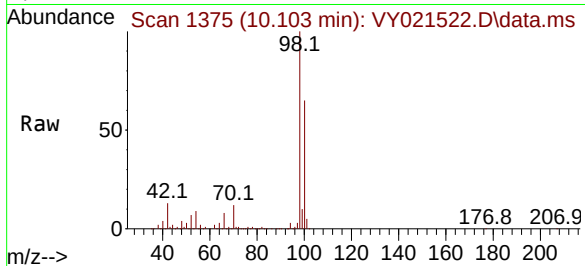




#50
Toluene-d8
Concen: 47.722 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

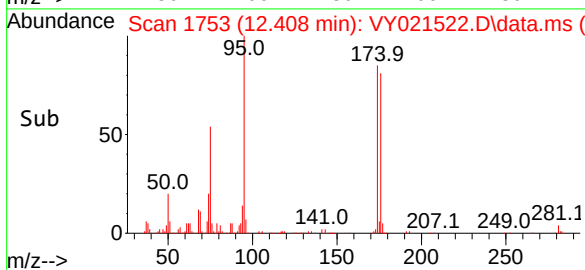
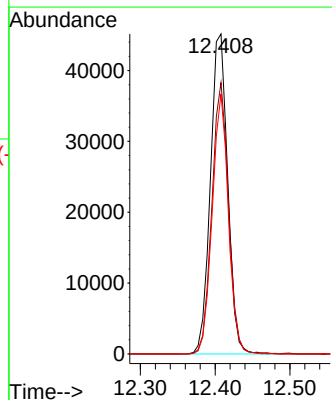
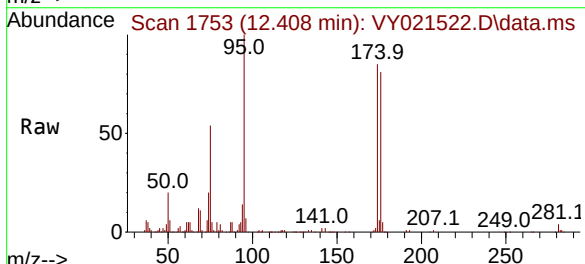
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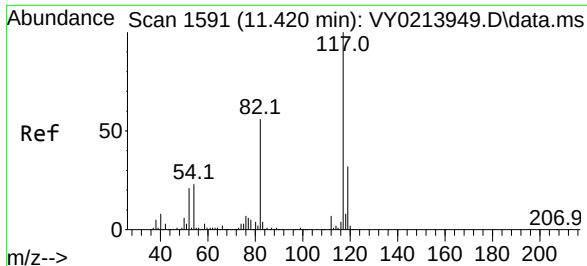
Tgt Ion: 98 Resp: 270863
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.556 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Tgt Ion: 95 Resp: 72508
Ion Ratio Lower Upper
95 100
174 82.0 0.0 165.0
176 76.1 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VOC

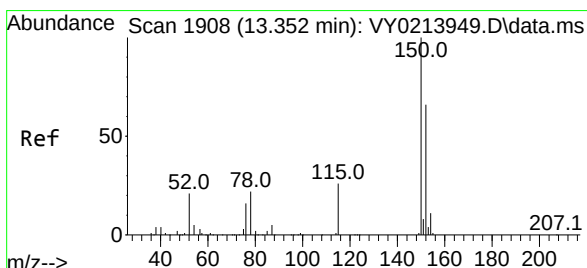
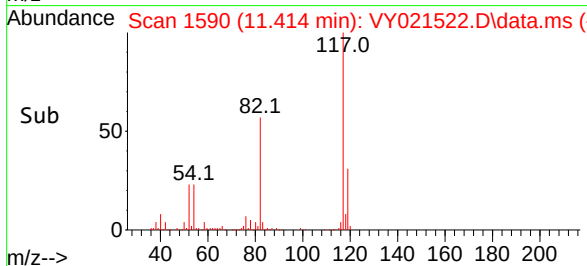
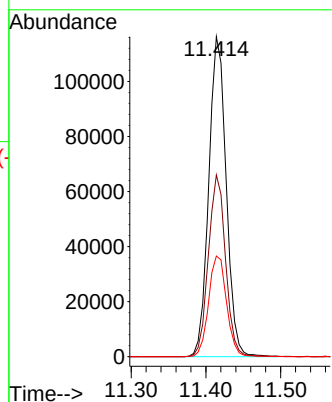
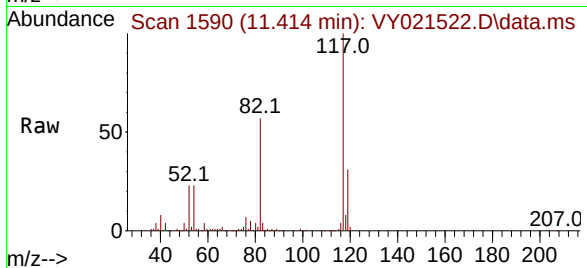
Tgt Ion:117 Resp: 188696

Ion Ratio Lower Upper

117 100

82 56.8 44.6 67.0

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

Tgt Ion:152 Resp: 65866

Ion Ratio Lower Upper

152 100

115 60.0 29.0 87.0

150 158.5 0.0 347.2

