

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022191.D
 Acq On : 07 May 2025 14:32
 Operator : SY/MD
 Sample : Q1972-03
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SUB-WC-VOC

Quant Time: May 08 01:42:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	209833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	416255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	400753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	156434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124819	64.400	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.800%
35) Dibromofluoromethane	7.634	113	151482	55.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.160%
50) Toluene-d8	10.103	98	524310	50.572	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.408	95	150520	43.127	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.260%

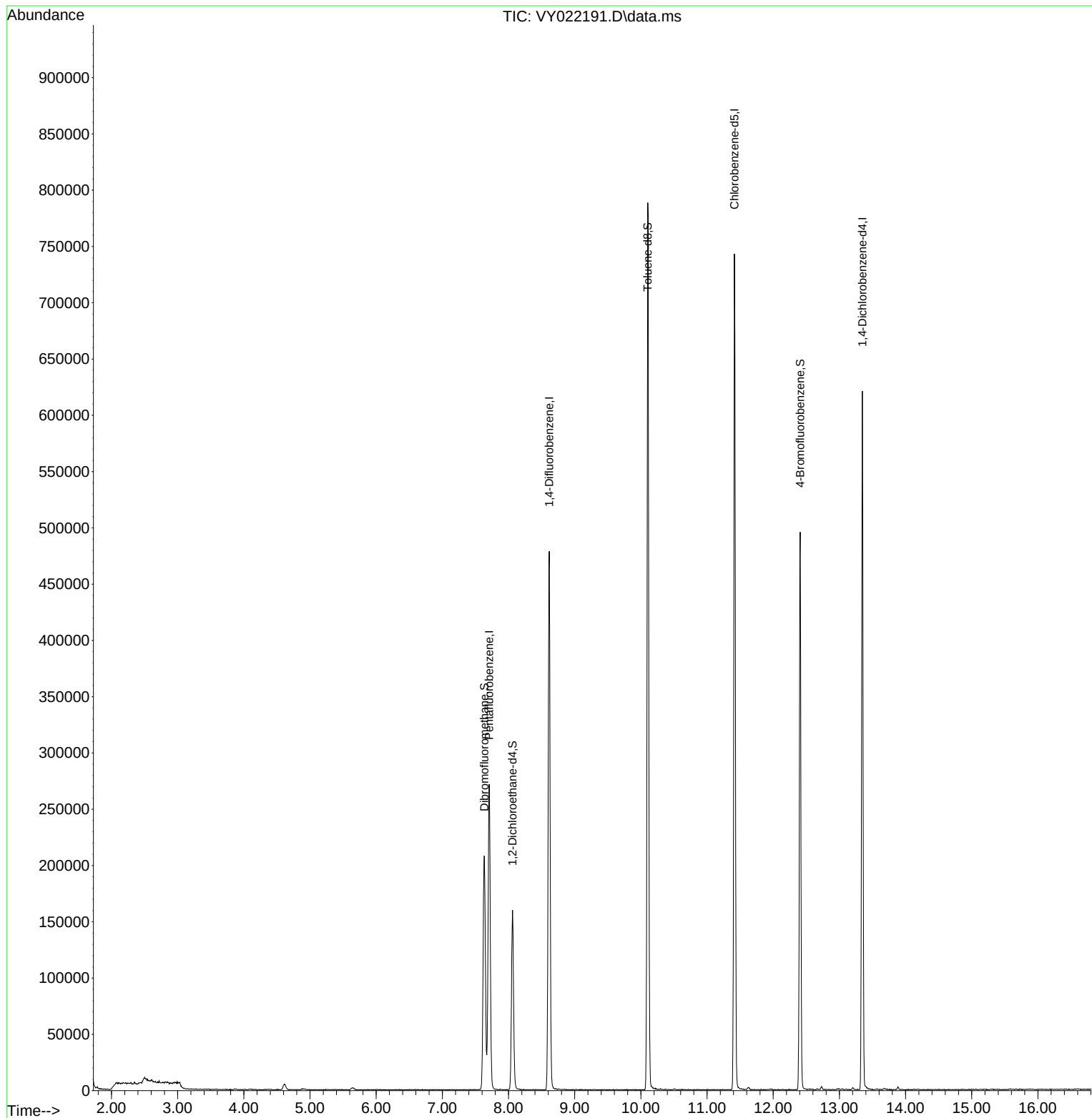
Target Compounds	Qvalue

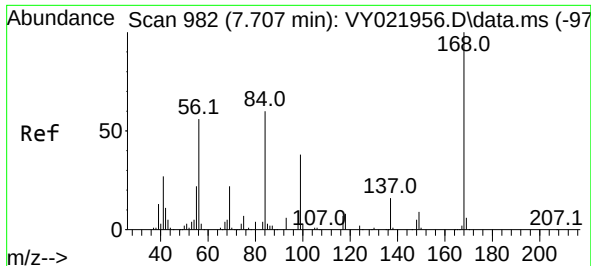
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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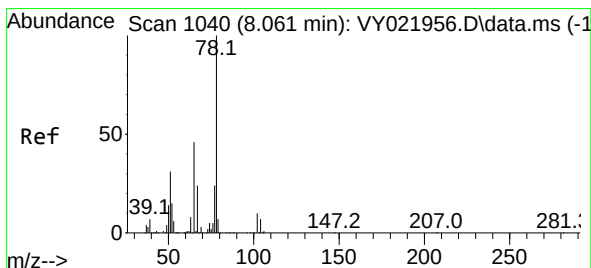
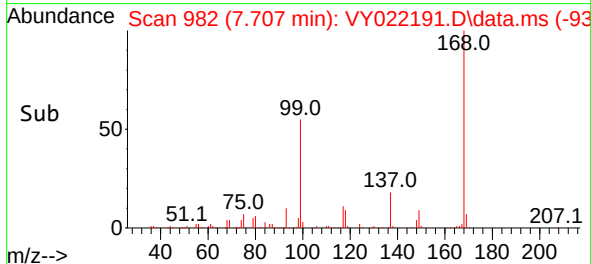
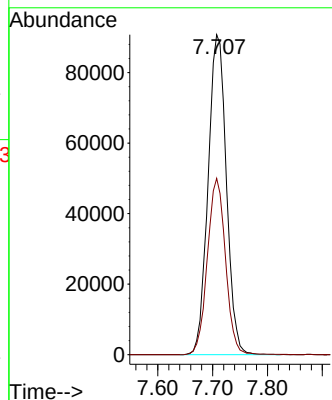
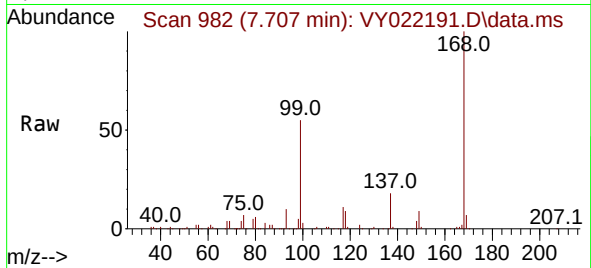




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

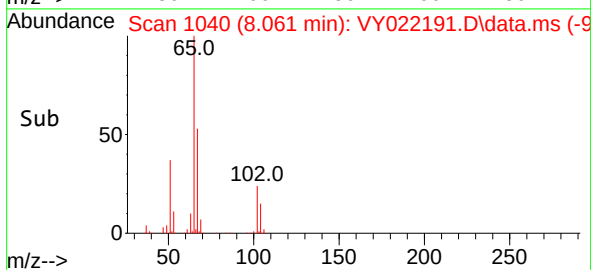
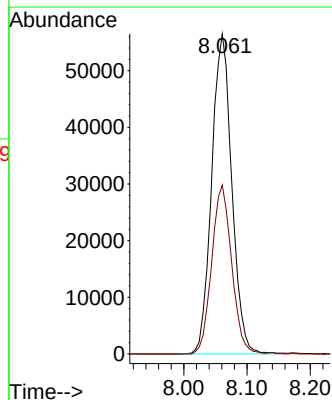
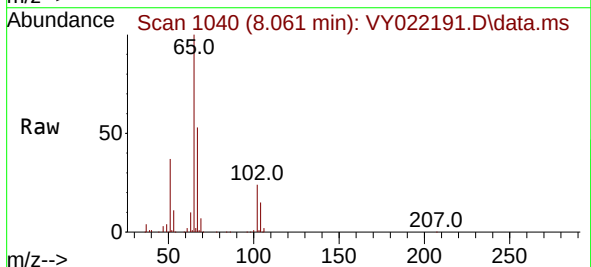
Instrument :
MSVOA_Y
ClientSampleId :
SUB-WC-VOC

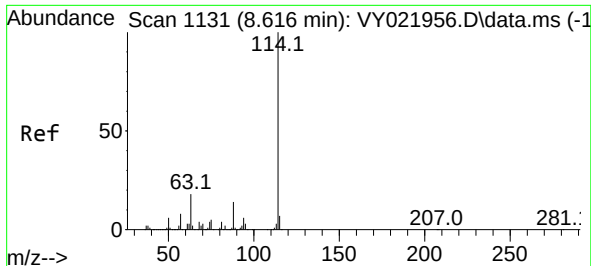
Tgt Ion:168 Resp: 209833
Ion Ratio Lower Upper
168 100
99 55.1 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 64.400 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion: 65 Resp: 124819
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8

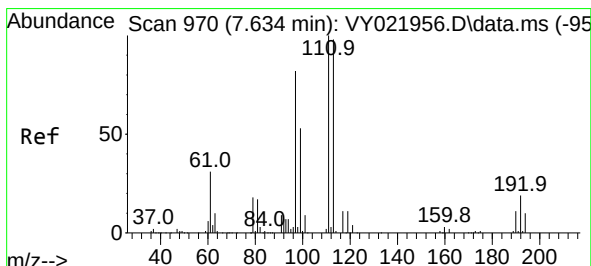
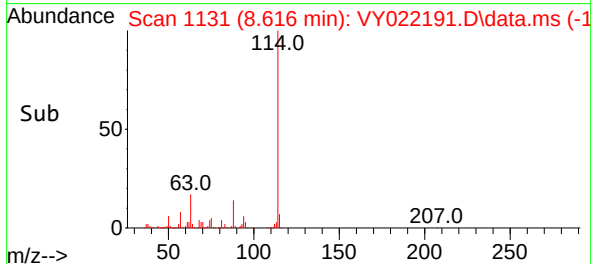
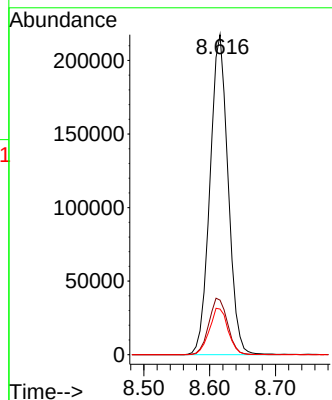
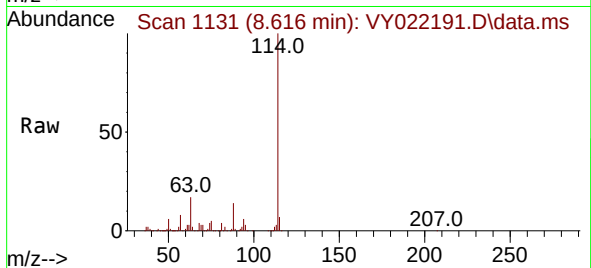




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

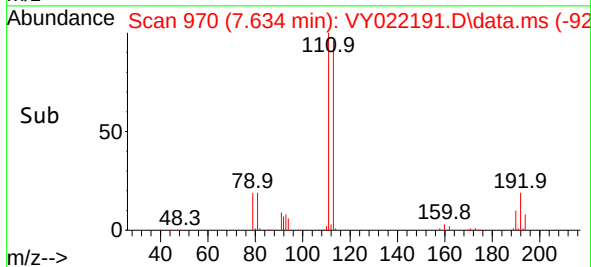
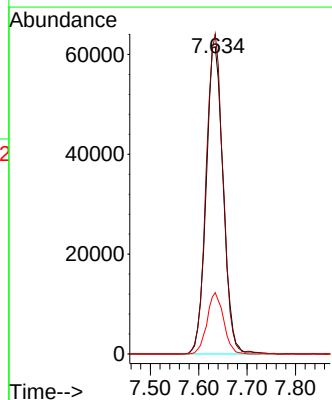
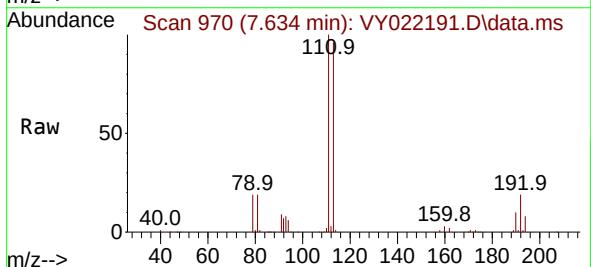
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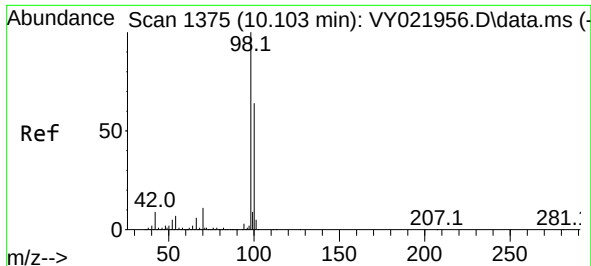
Tgt Ion:114 Resp: 416255
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.4
88 14.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 55.084 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion:113 Resp: 151482
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.2 15.6 23.4

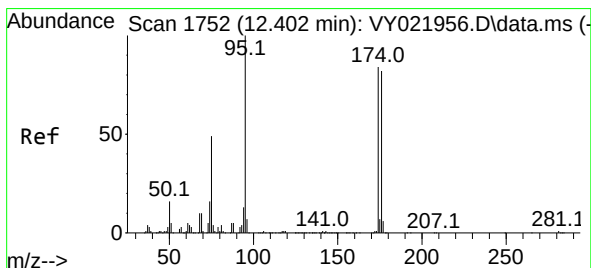
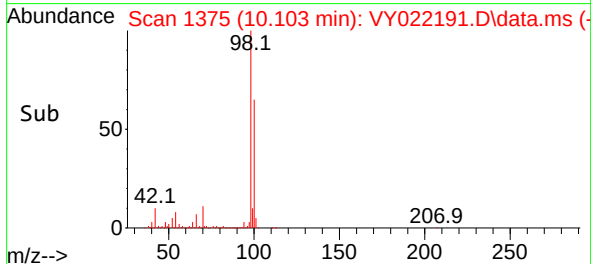
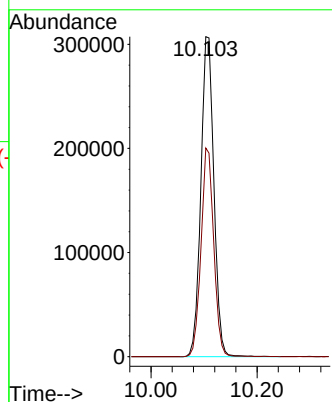
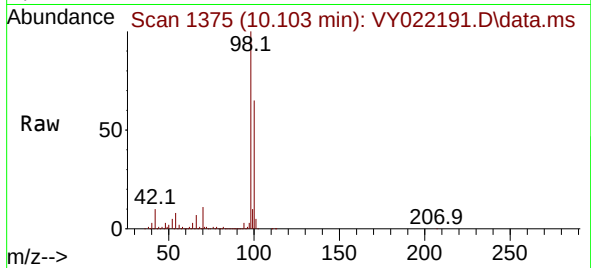




#50
Toluene-d8
Concen: 50.572 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

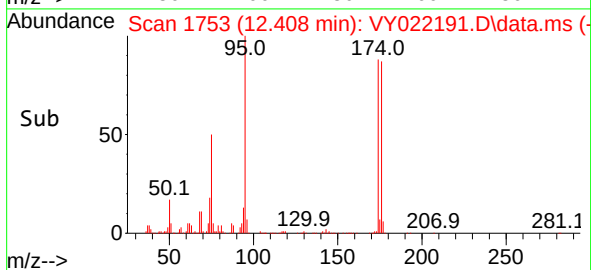
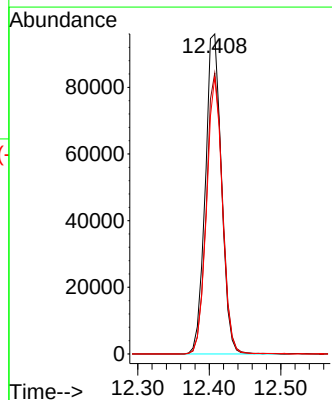
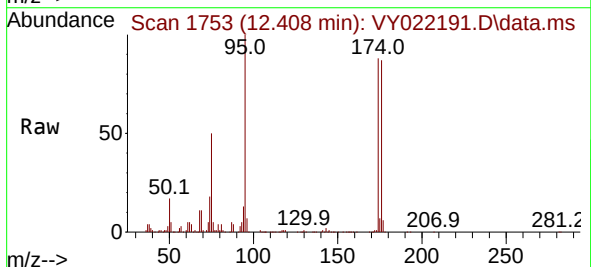
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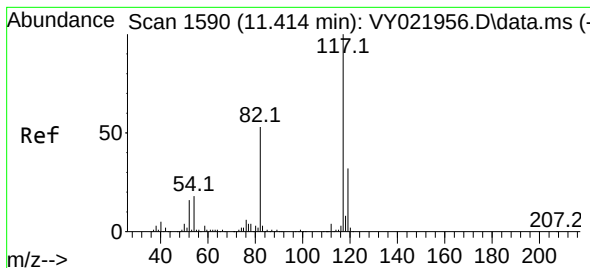
Tgt Ion: 98 Resp: 524310
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.127 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022191.D
Acq: 07 May 2025 14:32

Tgt Ion: 95 Resp: 150520
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 84.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY022191.D

Acq: 07 May 2025 14:32

Instrument :

MSVOA_Y

ClientSampleId :

SUB-WC-VOC

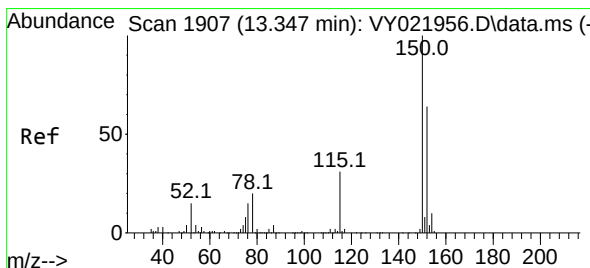
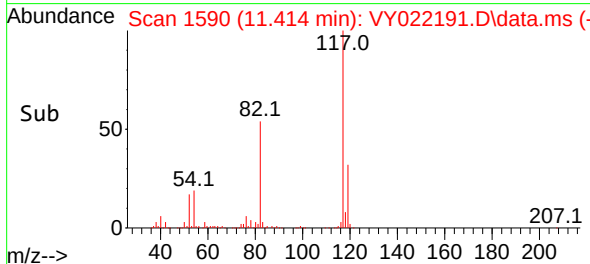
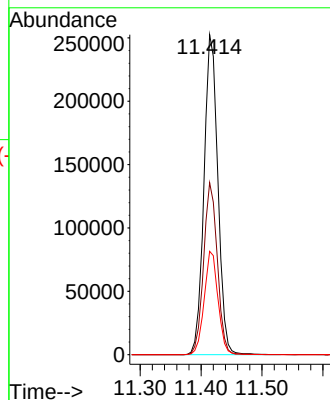
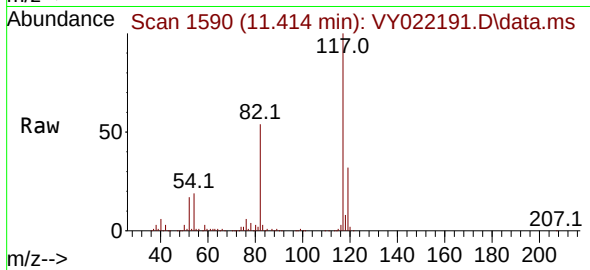
Tgt Ion:117 Resp: 400753

Ion Ratio Lower Upper

117 100

82 53.8 42.1 63.1

119 32.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022191.D

Acq: 07 May 2025 14:32

Tgt Ion:152 Resp: 156434

Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

150 155.9 0.0 345.6

