

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022671.D
 Acq On : 12 Jun 2025 14:09
 Operator : SY/MD
 Sample : Q2296-07
 Misc : 3.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Quant Time: Jun 13 05:40:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

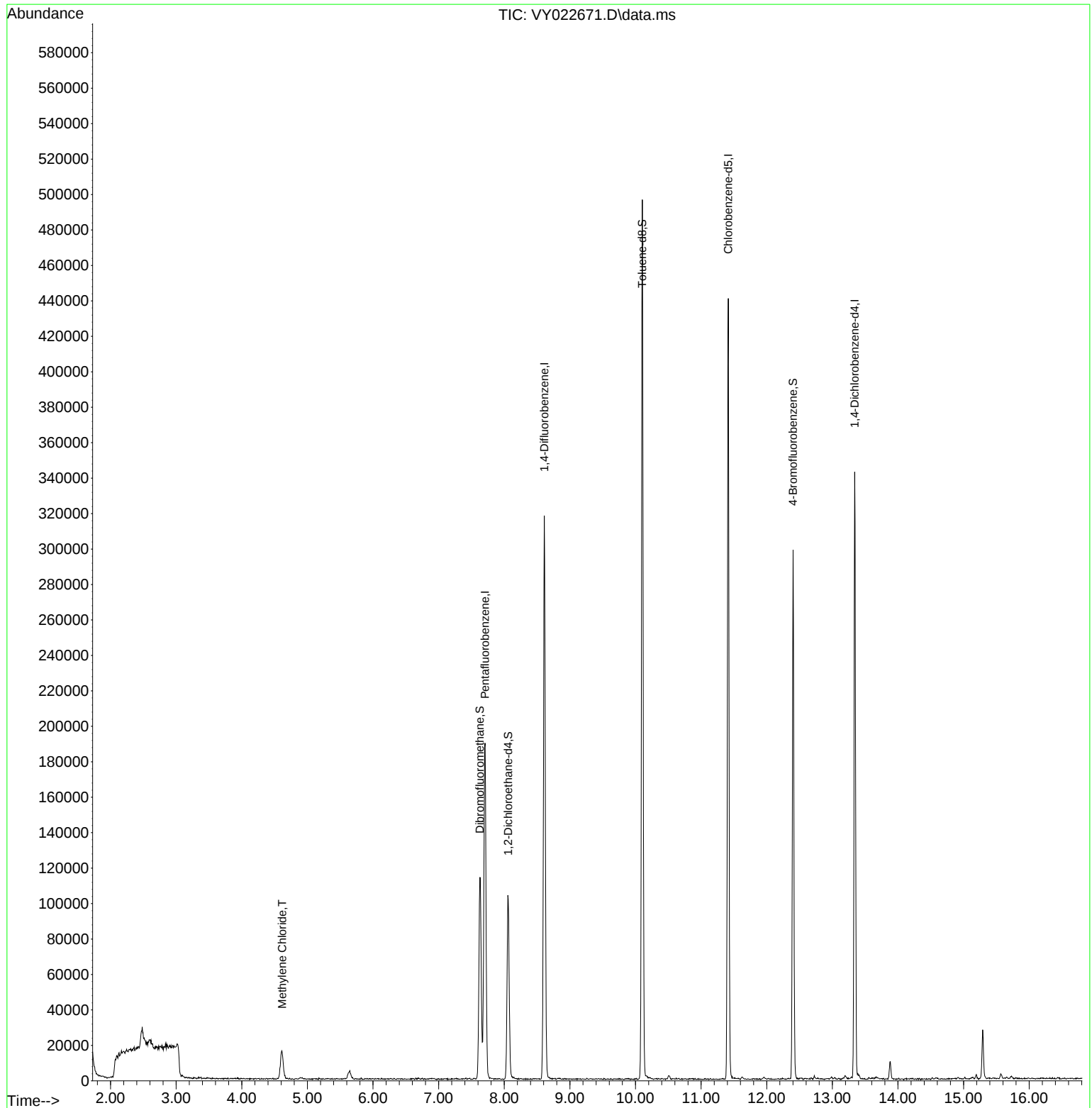
Internal Standards						
1) Pentafluorobenzene	7.707	168	144084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	262223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	80503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77518	48.103	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.200%
35) Dibromofluoromethane	7.628	113	79367	50.709	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.420%
50) Toluene-d8	10.103	98	312563	49.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.402	95	80044	42.479	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.960%
Target Compounds						
20) Methylene Chloride	4.616	84	11101	5.971	ug/l	94

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

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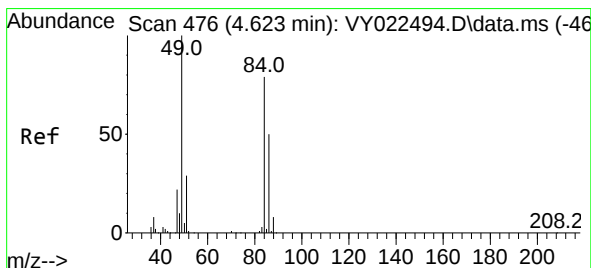
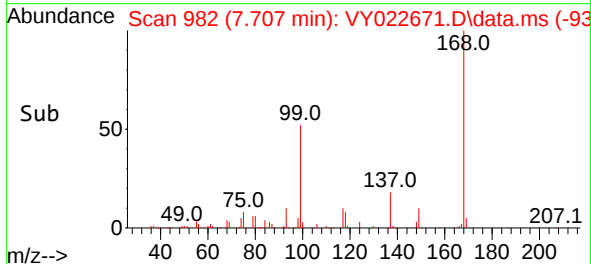
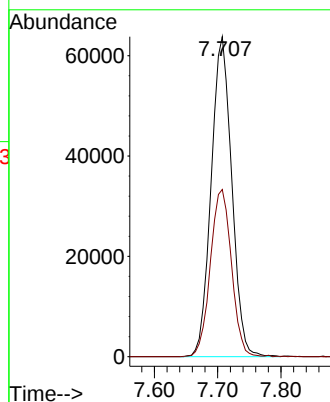
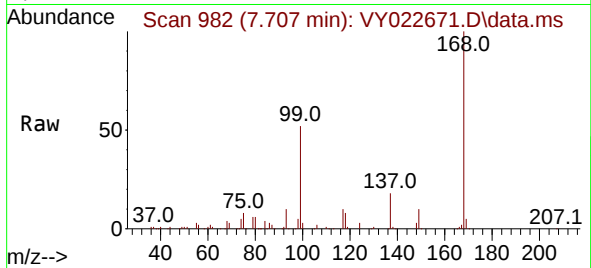




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022671.D
Acq: 12 Jun 2025 14:09

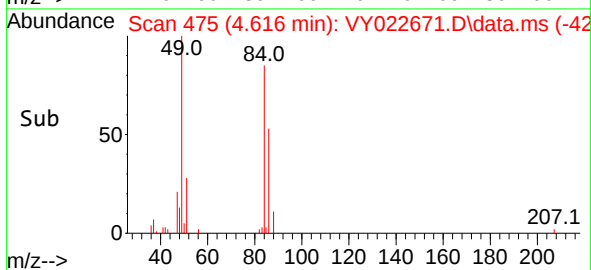
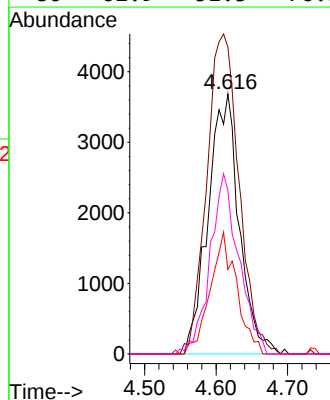
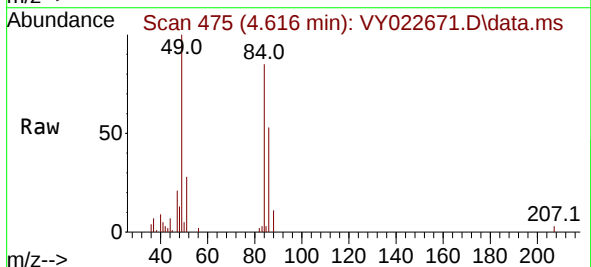
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

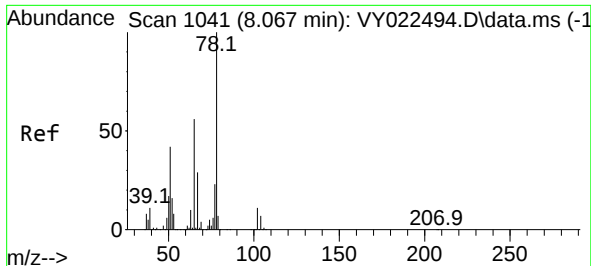
Tgt Ion:168 Resp: 144084
Ion Ratio Lower Upper
168 100
99 52.3 44.3 66.5



#20
Methylene Chloride
Concen: 5.971 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022671.D
Acq: 12 Jun 2025 14:09

Tgt Ion: 84 Resp: 11101
Ion Ratio Lower Upper
84 100
49 118.0 101.9 152.9
51 32.6 29.8 44.8
86 62.9 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 48.103 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022671.D

Acq: 12 Jun 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

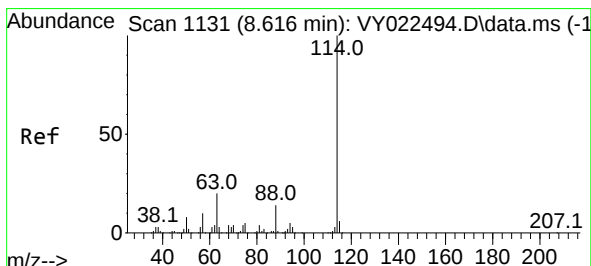
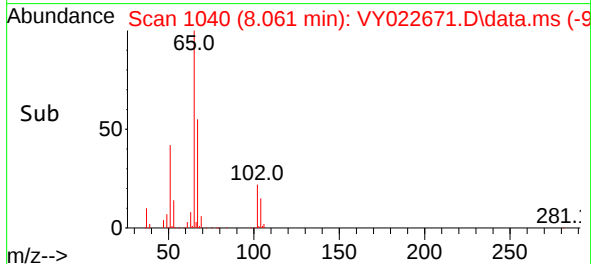
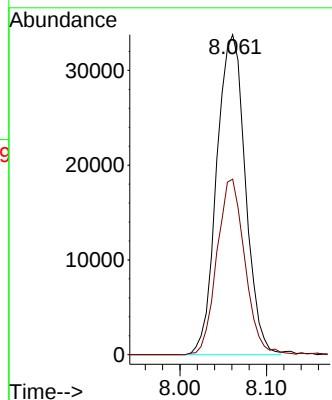
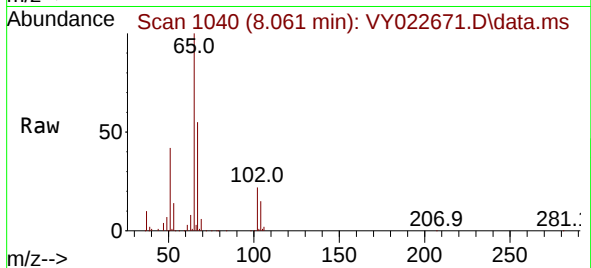
WC-2-VOC

Tgt Ion: 65 Resp: 77518

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022671.D

Acq: 12 Jun 2025 14:09

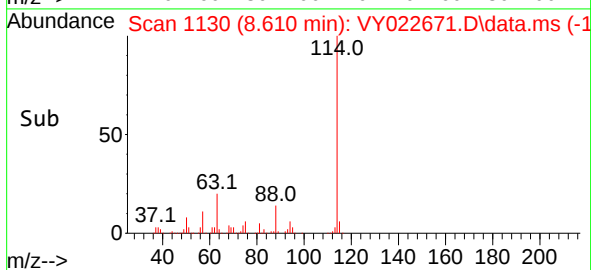
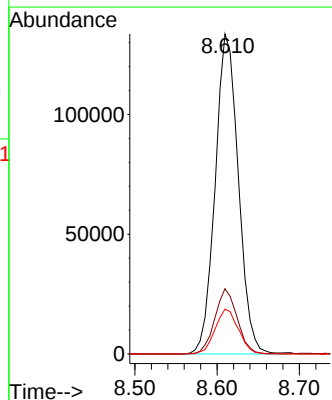
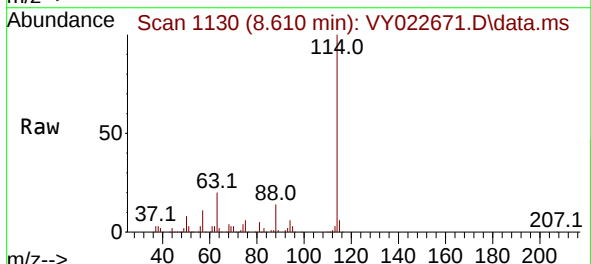
Tgt Ion: 114 Resp: 262223

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.0 0.0 27.8

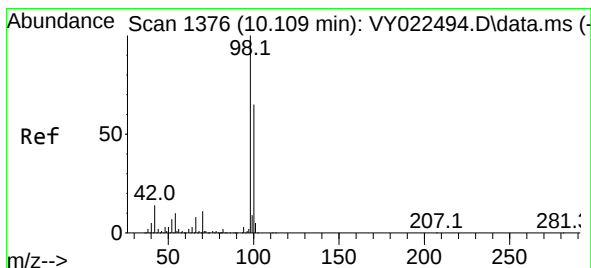
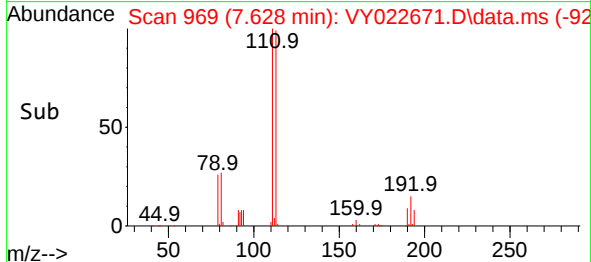
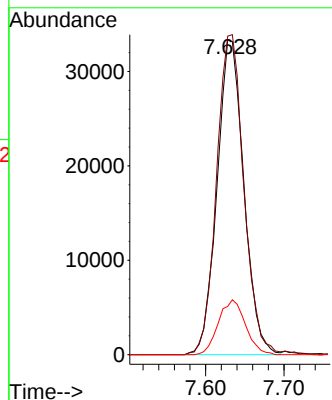
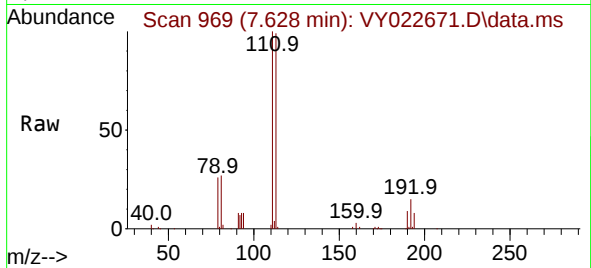




#35
Dibromofluoromethane
Concen: 50.709 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022671.D
Acq: 12 Jun 2025 14:09

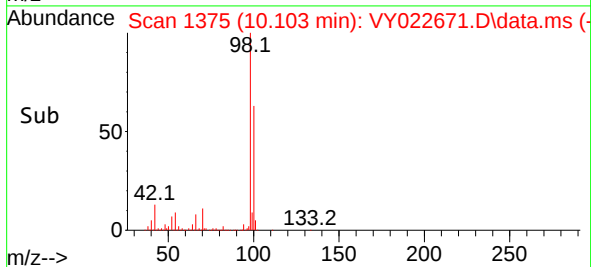
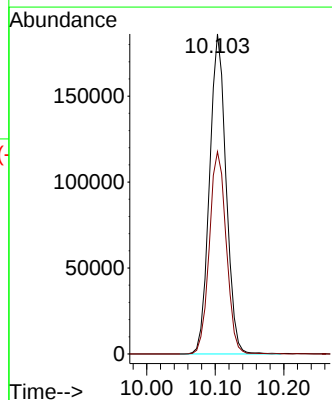
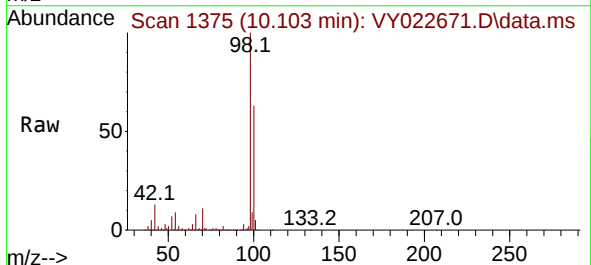
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

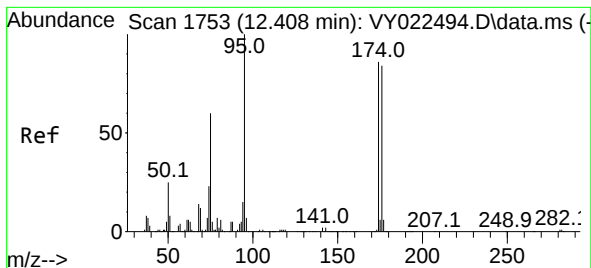
Tgt Ion:113 Resp: 79367
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 17.6 14.2 21.2



#50
Toluene-d8
Concen: 49.423 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022671.D
Acq: 12 Jun 2025 14:09

Tgt Ion: 98 Resp: 312563
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 42.479 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022671.D

Acq: 12 Jun 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC

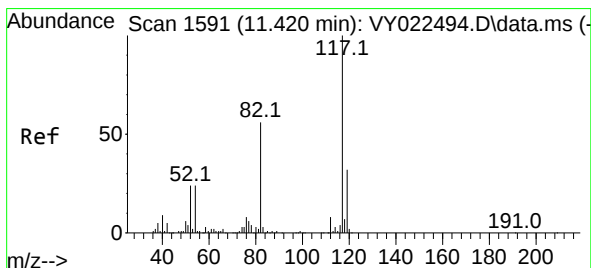
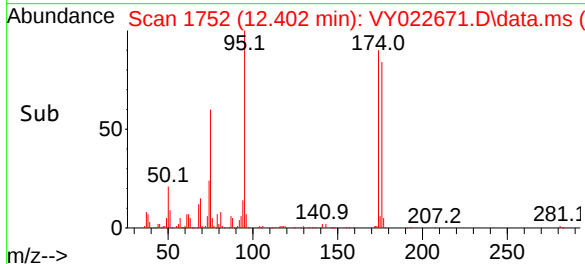
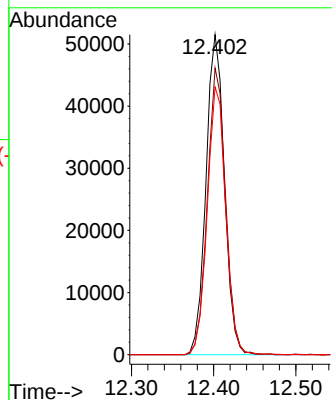
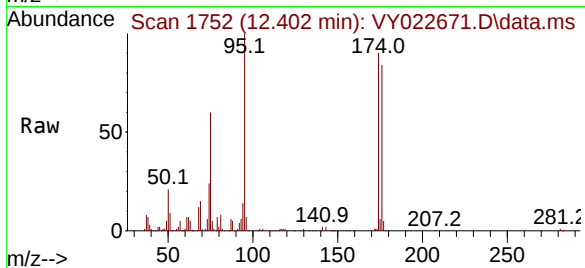
Tgt Ion: 95 Resp: 80044

Ion Ratio Lower Upper

95 100

174 88.9 0.0 170.0

176 84.0 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022671.D

Acq: 12 Jun 2025 14:09

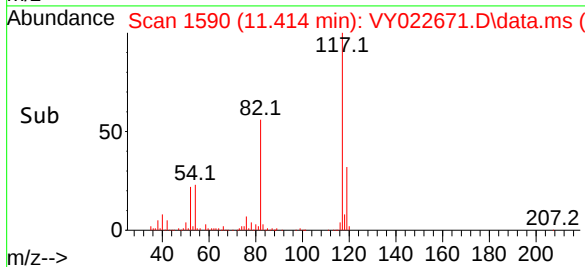
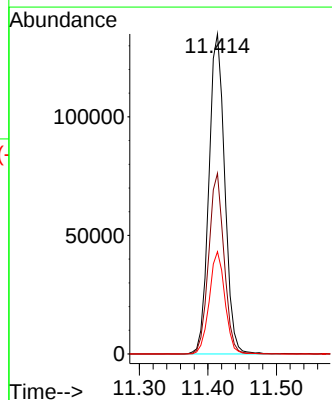
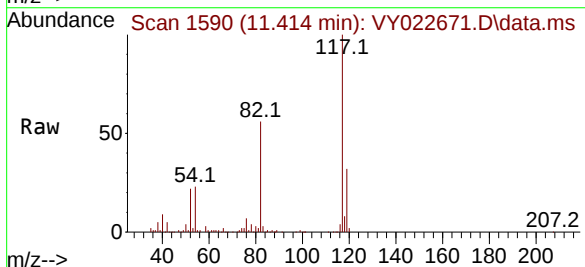
Tgt Ion: 117 Resp: 216620

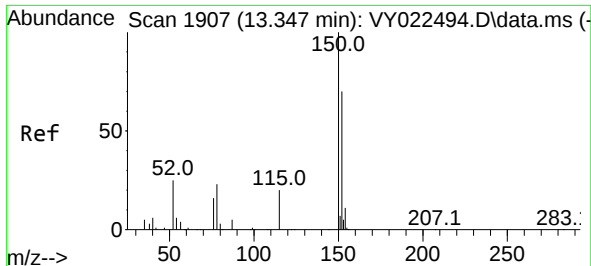
Ion Ratio Lower Upper

117 100

82 56.5 44.6 66.8

119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022671.D

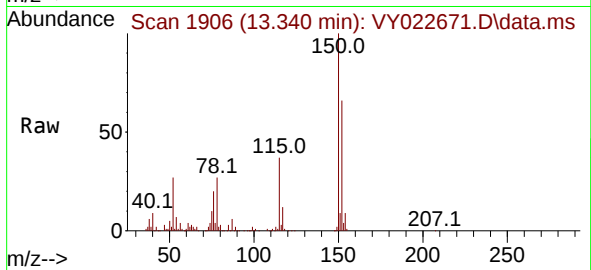
Acq: 12 Jun 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC



Tgt Ion:152 Resp: 80503

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 157.3 0.0 349.6

