

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022691.D
 Acq On : 13 Jun 2025 12:41
 Operator : SY/MD
 Sample : Q2310-03
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-VOC

Quant Time: Jun 14 02:04:15 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)

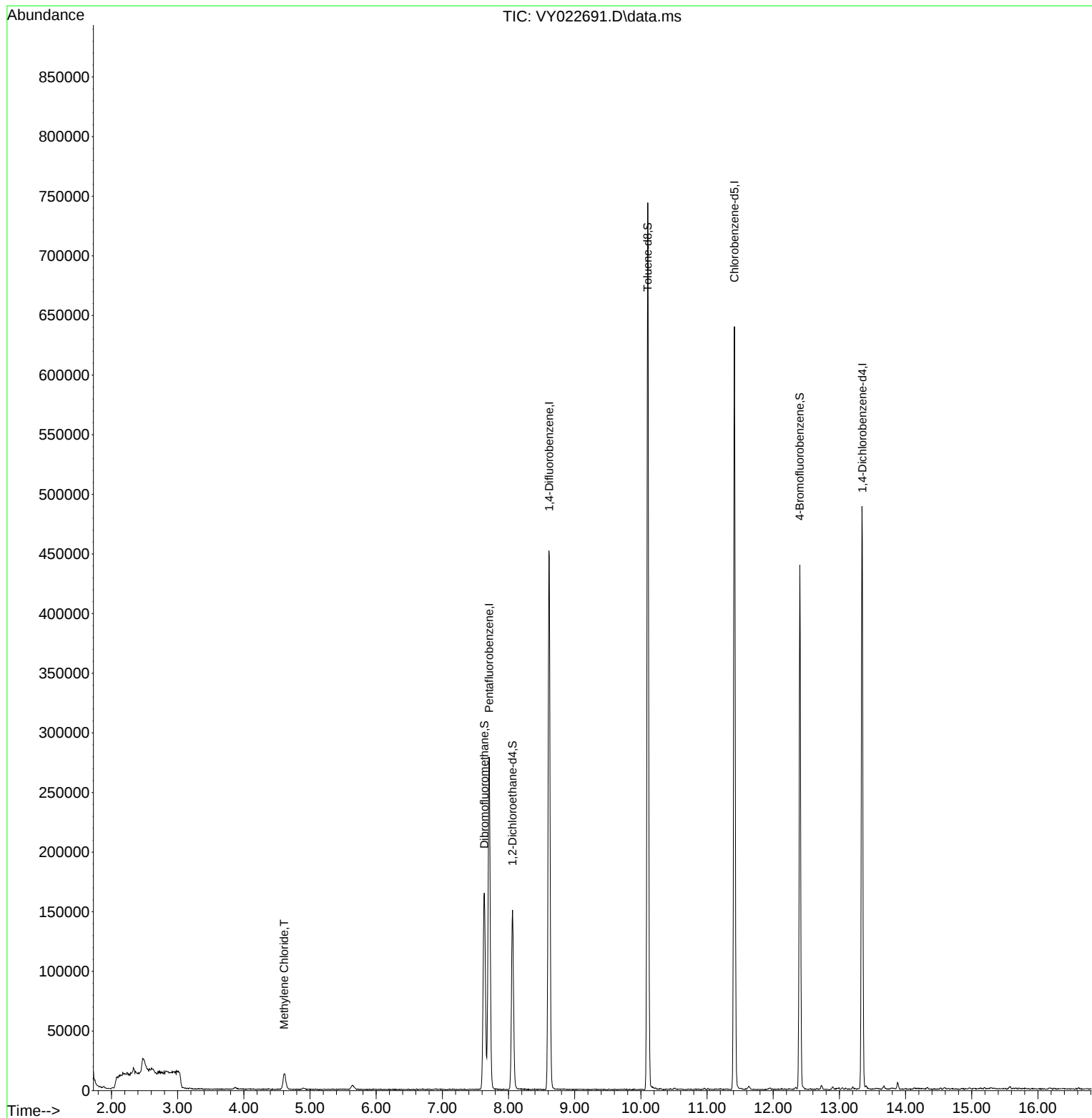
Internal Standards						
1) Pentafluorobenzene	7.707	168	204439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	377572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	312007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111876	48.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.860%
35) Dibromofluoromethane	7.634	113	114432	50.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.560%
50) Toluene-d8	10.103	98	454995	49.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.940%
62) 4-Bromofluorobenzene	12.402	95	113731	41.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.840%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	9379	3.556	ug/l	95

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

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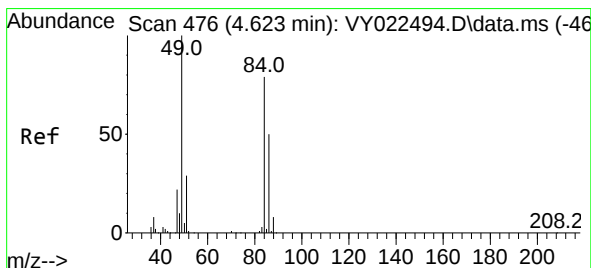
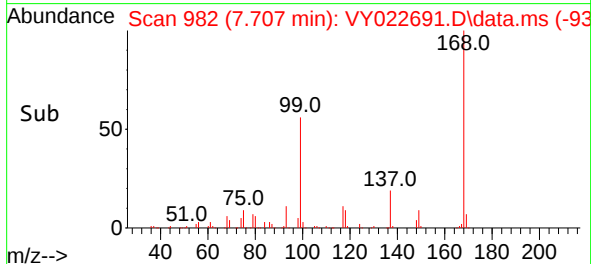
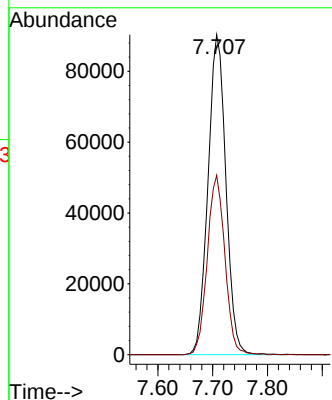
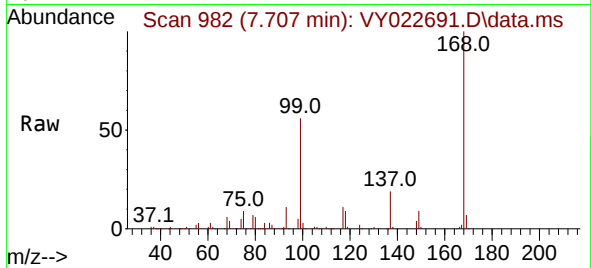




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

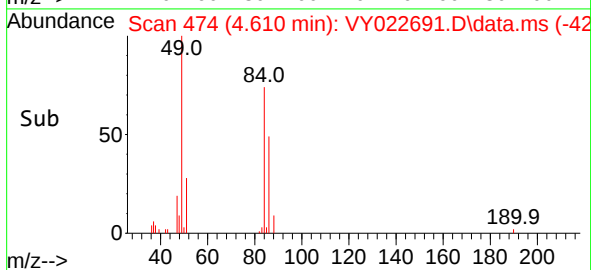
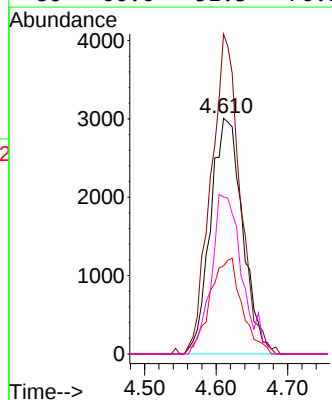
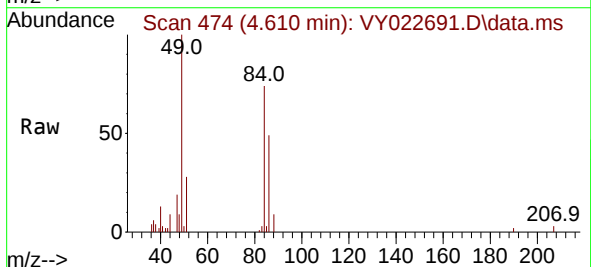
Instrument :
MSVOA_Y
ClientSampleId :
TP-7-VOC

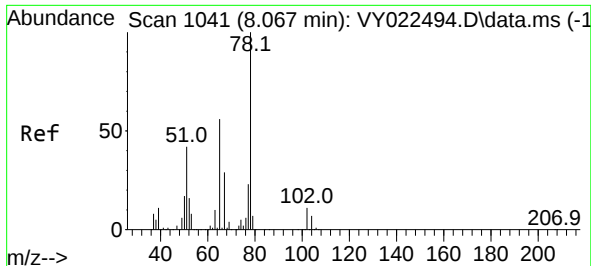
Tgt Ion:168 Resp: 204439
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#20
Methylene Chloride
Concen: 3.556 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion: 84 Resp: 9379
Ion Ratio Lower Upper
84 100
49 135.7 101.9 152.9
51 37.3 29.8 44.8
86 66.6 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 48.928 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022691.D

Acq: 13 Jun 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

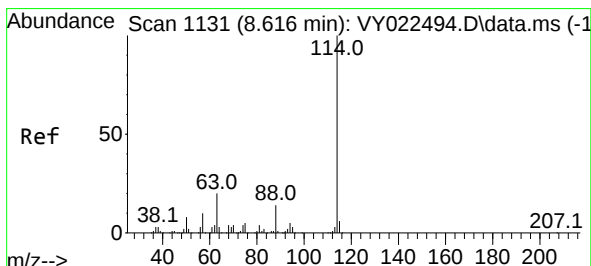
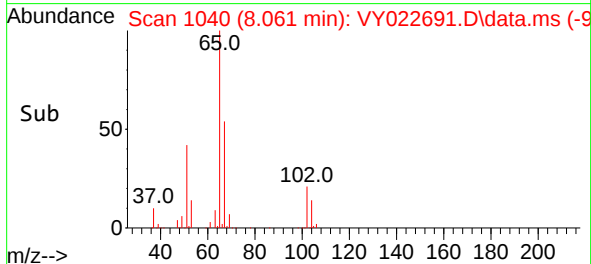
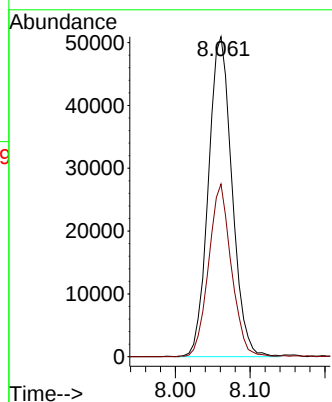
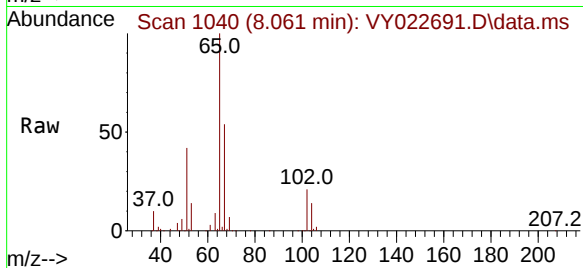
TP-7-VOC

Tgt Ion: 65 Resp: 111876

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022691.D

Acq: 13 Jun 2025 12:41

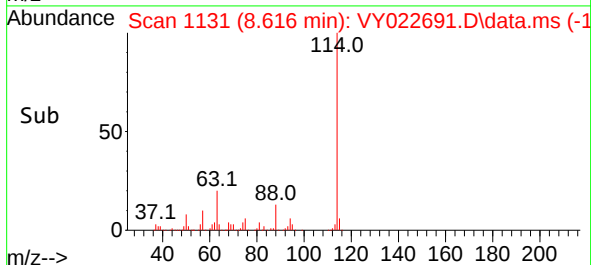
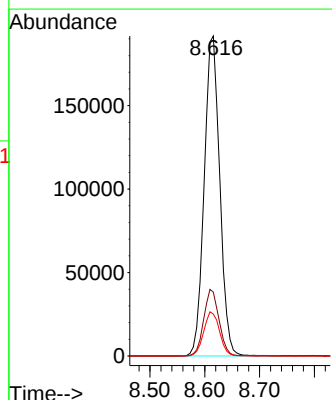
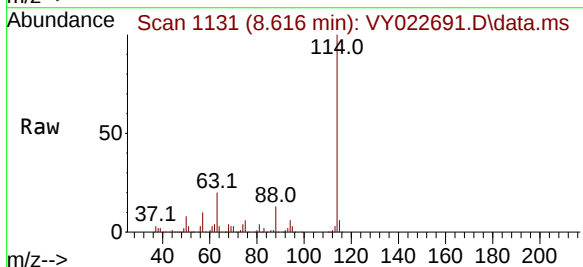
Tgt Ion: 114 Resp: 377572

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 13.1 0.0 27.8

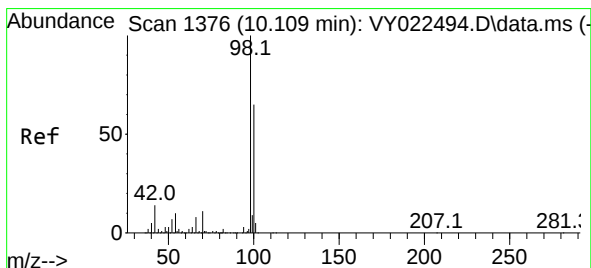
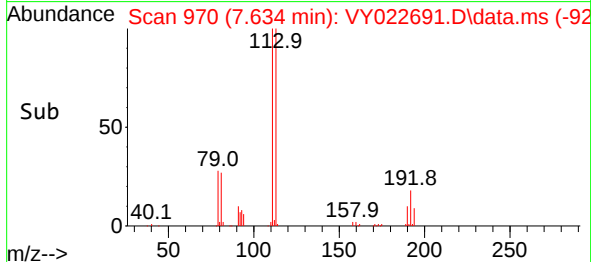
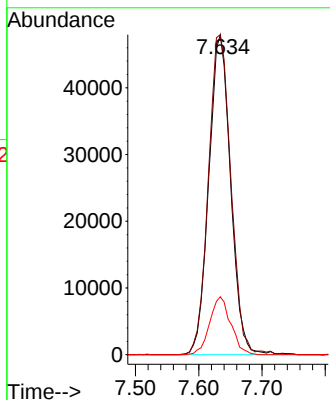
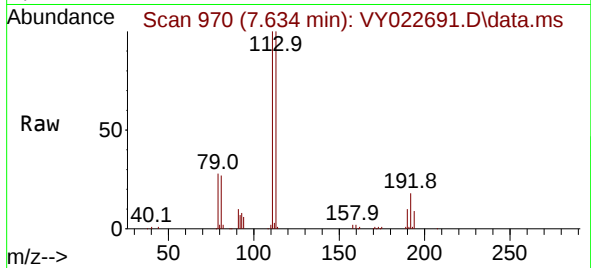




#35
Dibromofluoromethane
Concen: 50.776 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

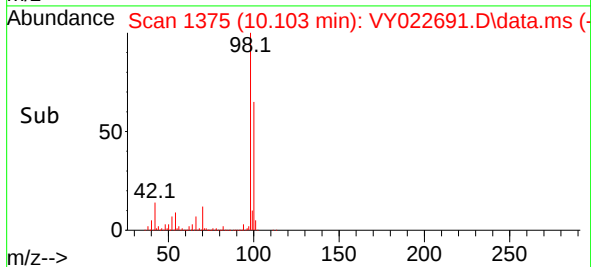
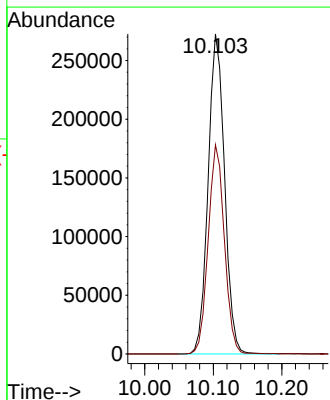
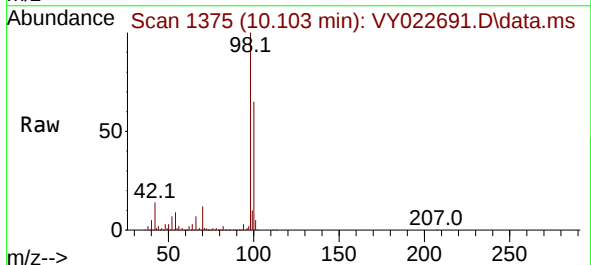
Instrument :
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TP-7-VOC

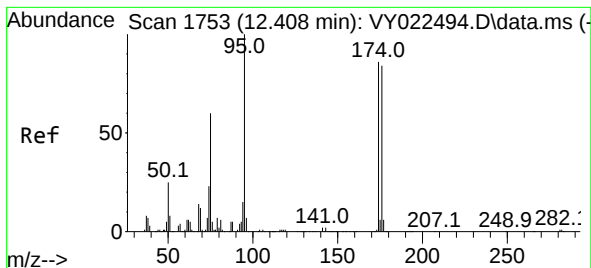
Tgt Ion:113 Resp: 114432
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 17.5 14.2 21.2



#50
Toluene-d8
Concen: 49.965 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022691.D
Acq: 13 Jun 2025 12:41

Tgt Ion: 98 Resp: 454995
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 41.918 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022691.D

Acq: 13 Jun 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-7-VOC

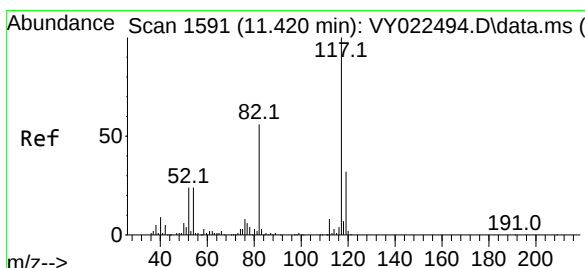
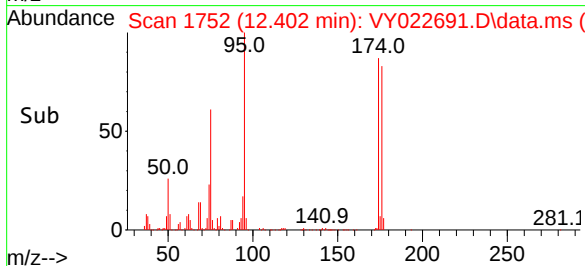
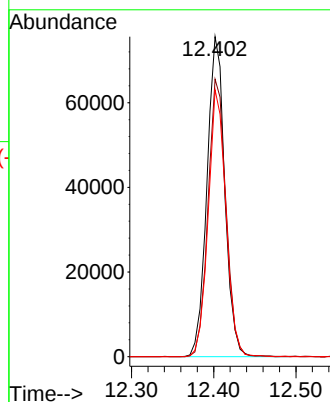
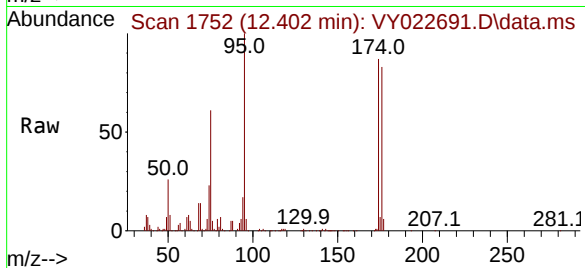
Tgt Ion: 95 Resp: 113731

Ion Ratio Lower Upper

95 100

174 87.7 0.0 170.0

176 83.1 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: VY022691.D

Acq: 13 Jun 2025 12:41

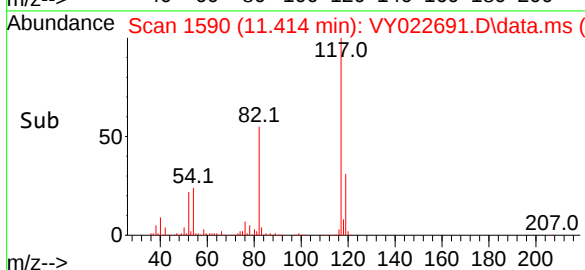
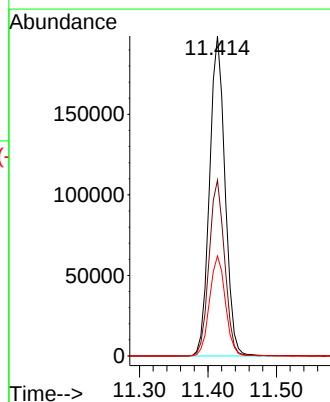
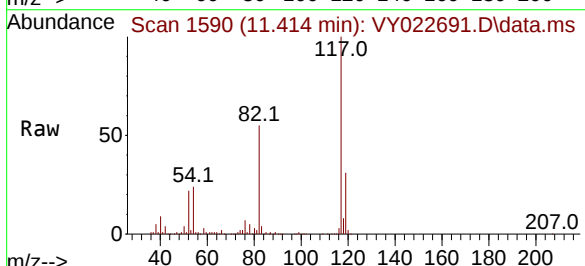
Tgt Ion: 117 Resp: 312007

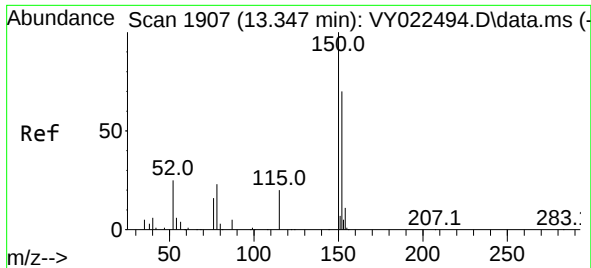
Ion Ratio Lower Upper

117 100

82 54.9 44.6 66.8

119 31.2 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022691.D
 Acq: 13 Jun 2025 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-VOC

Tgt Ion:152 Resp: 115695
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.9 86.7
 150 154.8 0.0 349.6

