

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022828.D
 Acq On : 25 Jun 2025 16:29
 Operator : SY/MD
 Sample : Q2415-03
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Jun 26 01:28:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

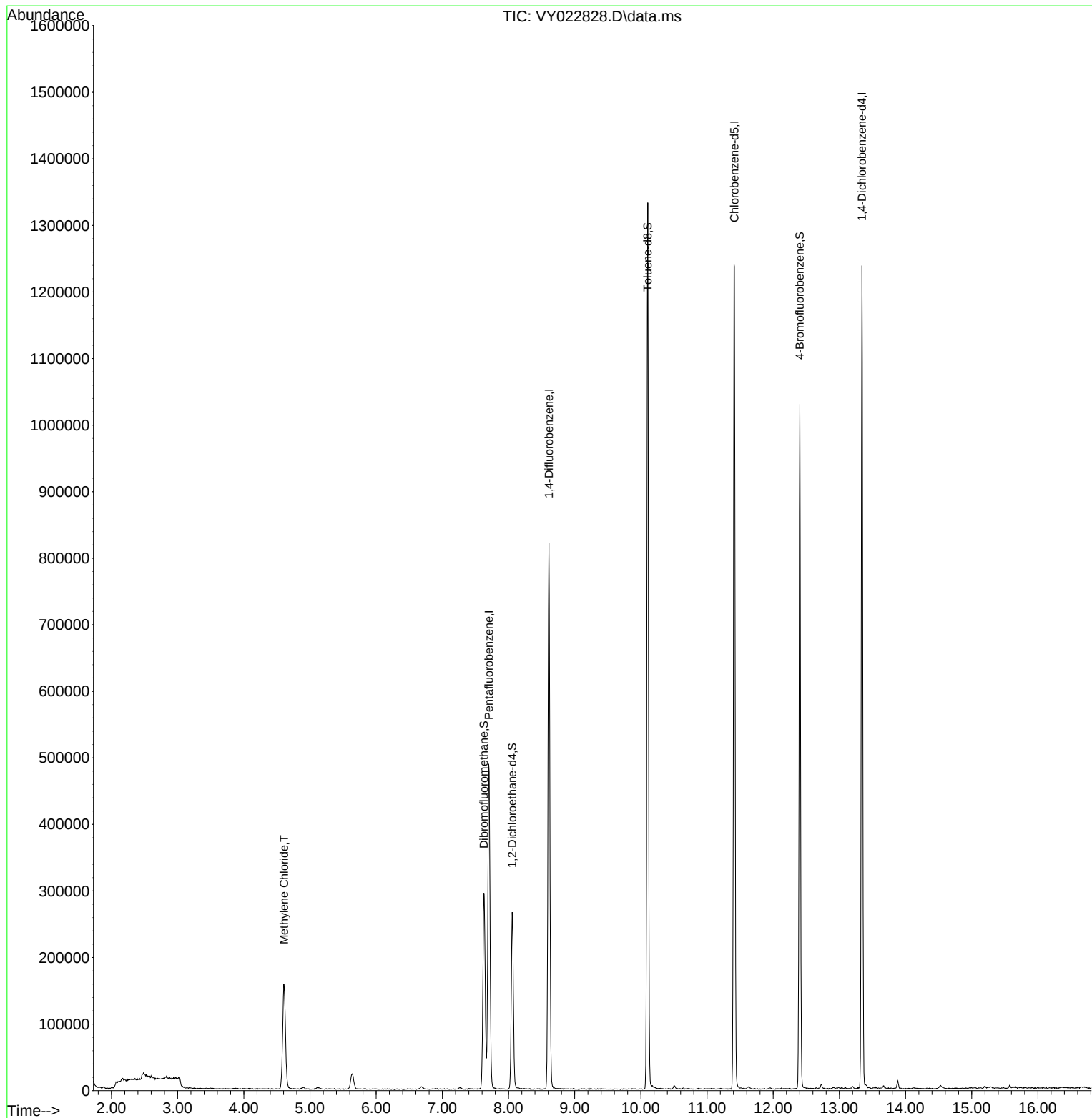
Internal Standards						
1) Pentafluorobenzene	7.701	168	379004	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	682587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	298553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	207629	49.084	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.160%
35) Dibromofluoromethane	7.628	113	209876	50.558	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.120%
50) Toluene-d8	10.103	98	824087	50.028	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.060%
62) 4-Bromofluorobenzene	12.402	95	286018	54.013	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.020%
Target Compounds						
20) Methylene Chloride	4.610	84	116068	22.988	ug/l	Qvalue 93

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

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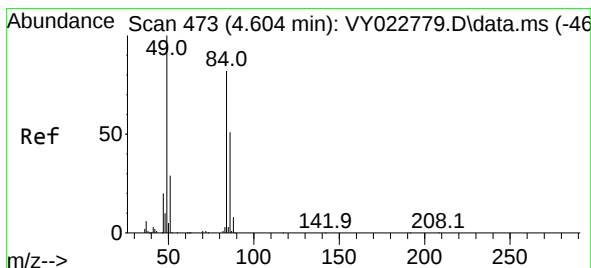
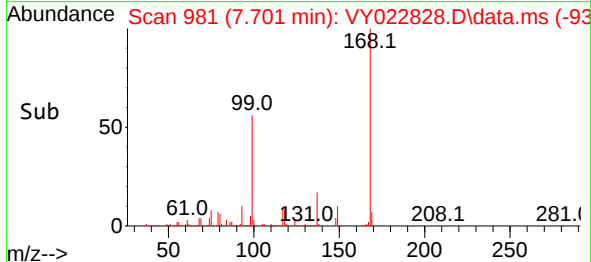
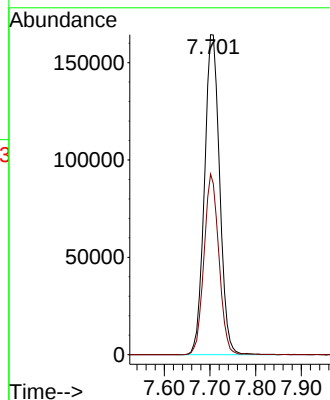
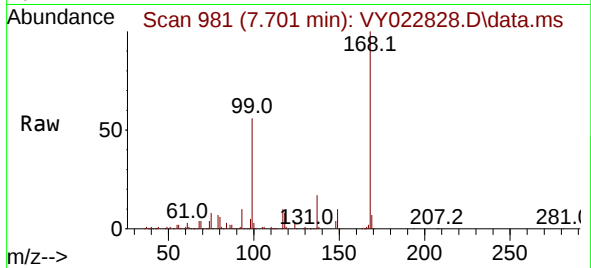




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

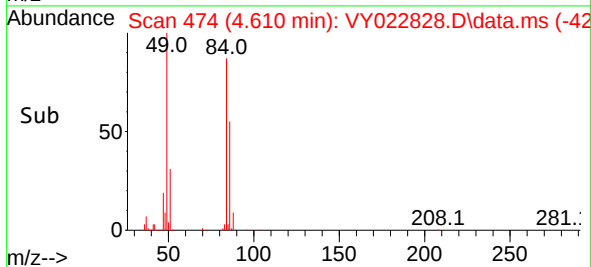
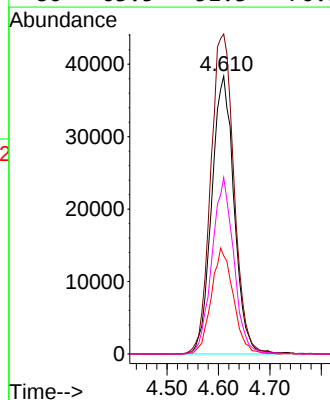
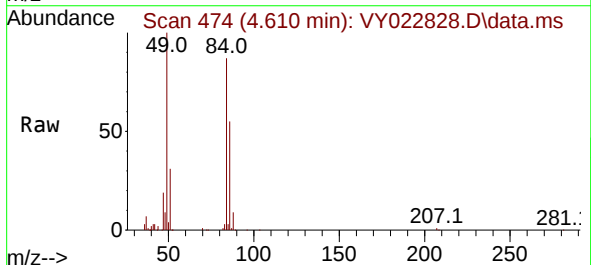
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

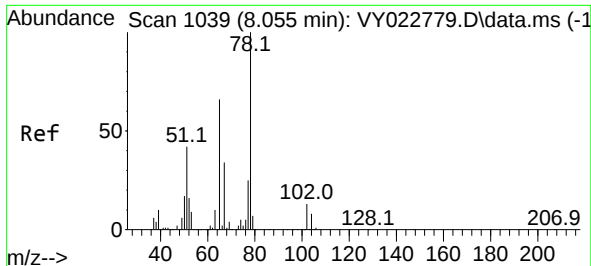
Tgt Ion:168 Resp: 379004
Ion Ratio Lower Upper
168 100
99 56.5 44.3 66.5



#20
Methylene Chloride
Concen: 22.988 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

Tgt Ion: 84 Resp: 116068
Ion Ratio Lower Upper
84 100
49 115.2 101.9 152.9
51 35.4 29.8 44.8
86 63.5 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 49.084 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022828.D

Acq: 25 Jun 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

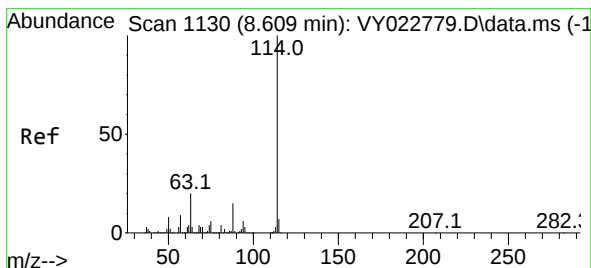
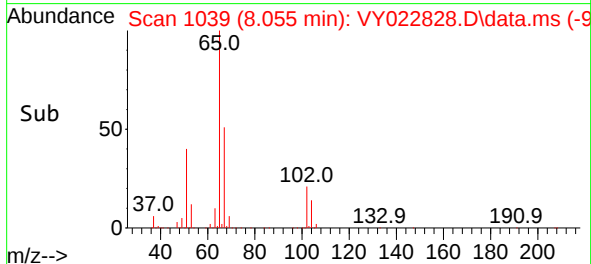
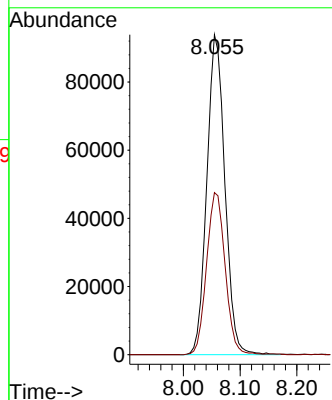
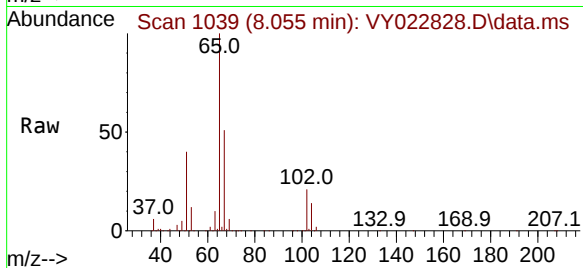
WC-1-VOC

Tgt Ion: 65 Resp: 207629

Ion Ratio Lower Upper

65 100

67 52.2 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: VY022828.D

Acq: 25 Jun 2025 16:29

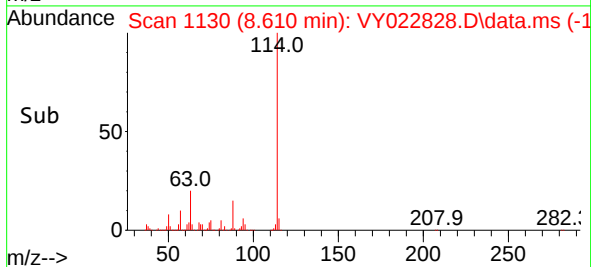
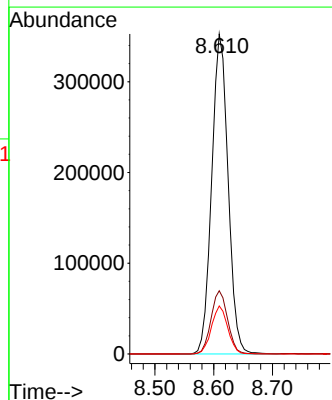
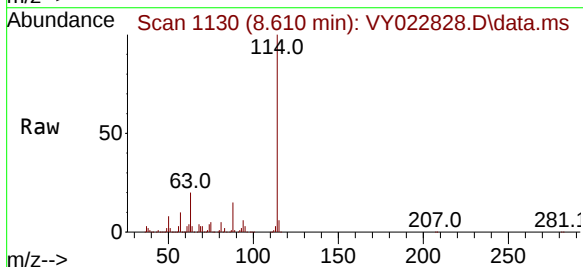
Tgt Ion: 114 Resp: 682587

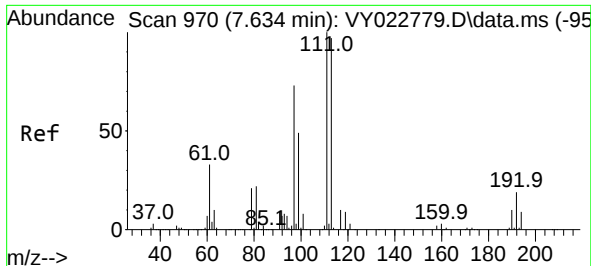
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.0 0.0 27.8

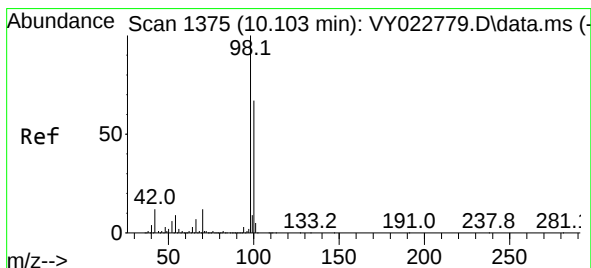
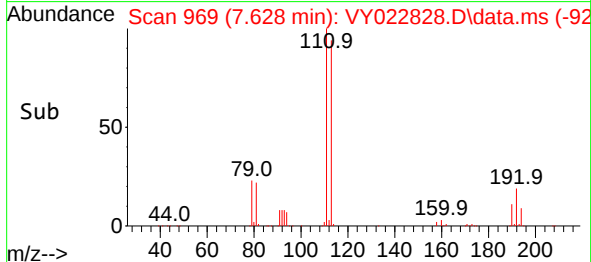
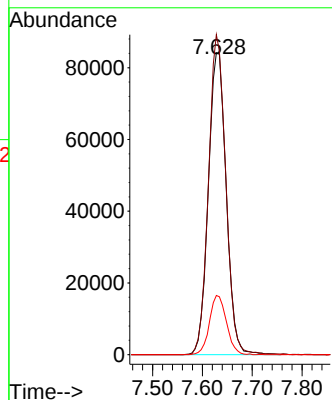
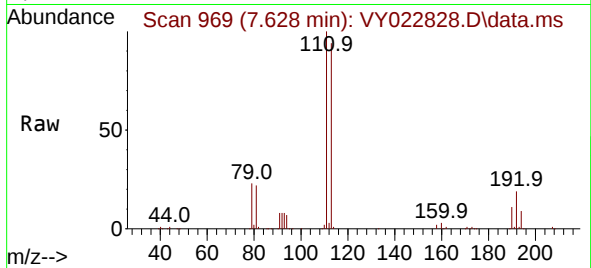




#35
Dibromofluoromethane
Concen: 50.558 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

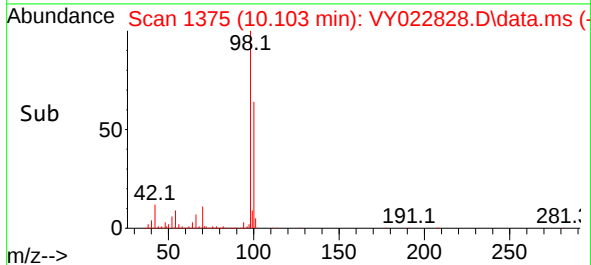
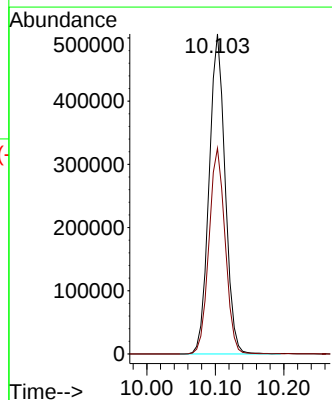
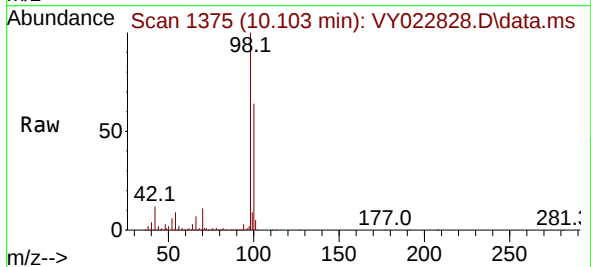
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

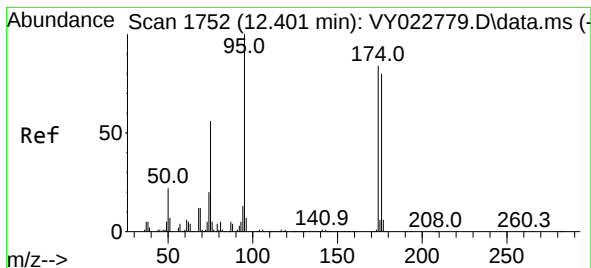
Tgt Ion:113 Resp: 209876
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 50.028 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

Tgt Ion: 98 Resp: 824087
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 54.013 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022828.D

Acq: 25 Jun 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

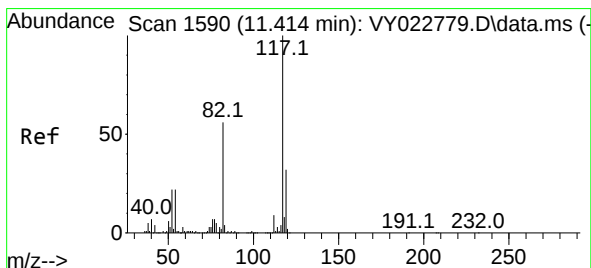
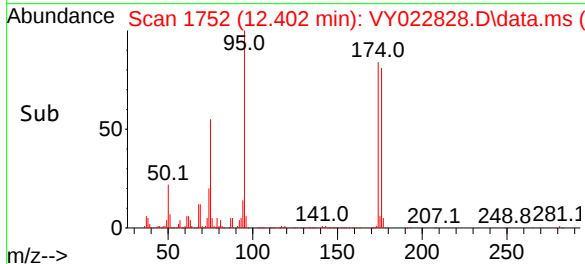
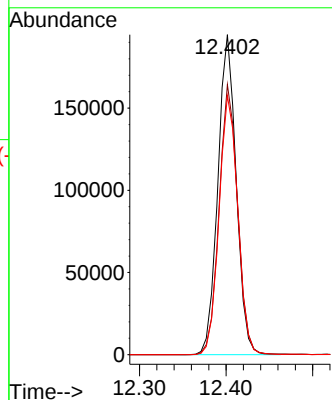
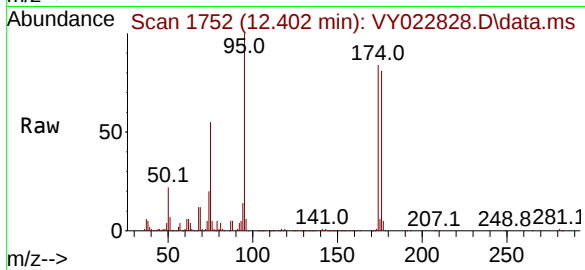
Tgt Ion: 95 Resp: 286018

Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.0

176 82.6 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: VY022828.D

Acq: 25 Jun 2025 16:29

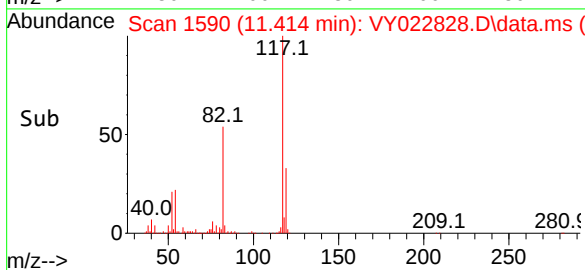
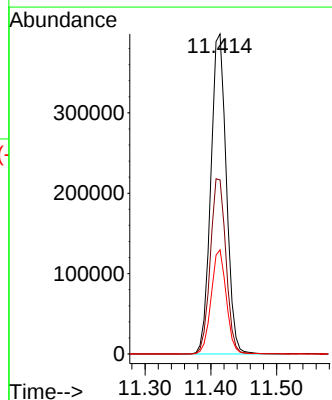
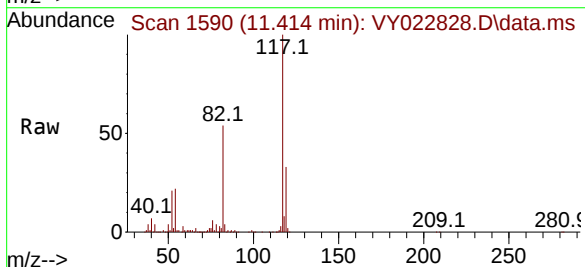
Tgt Ion: 117 Resp: 654617

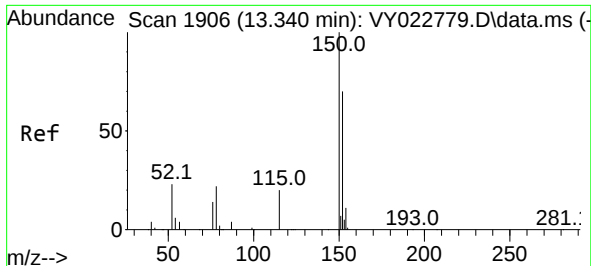
Ion Ratio Lower Upper

117 100

82 54.4 44.6 66.8

119 32.6 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: VY022828.D

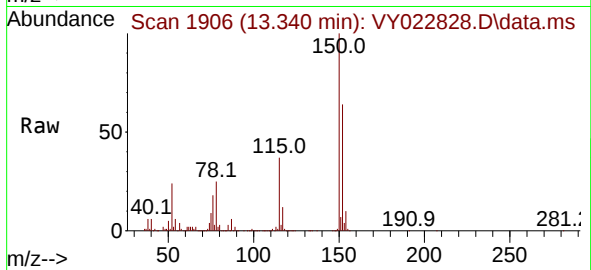
Acq: 25 Jun 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC



Tgt Ion:152 Resp: 298553

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 156.0 0.0 349.6

