

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022620.D
 Acq On : 09 Jun 2025 11:16
 Operator : SY/MD
 Sample : Q2206-03
 Misc : 4.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Jun 10 01:26:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	299872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	556479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	441579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160950	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156365	46.622	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.240%
35) Dibromofluoromethane	7.634	113	165860	49.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.109	98	674717	50.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.408	95	164058	41.027	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.060%

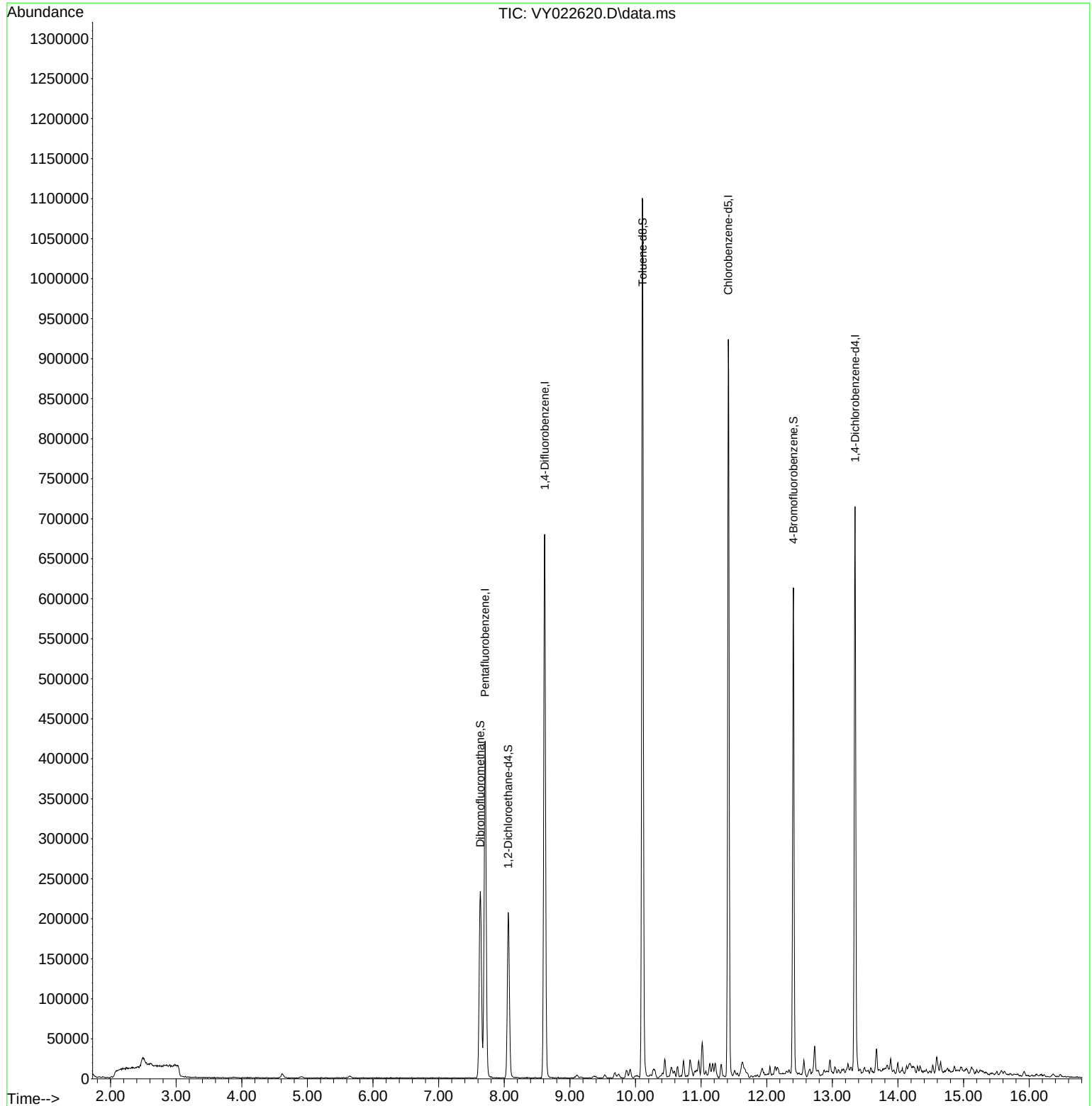
Target Compounds	Qvalue

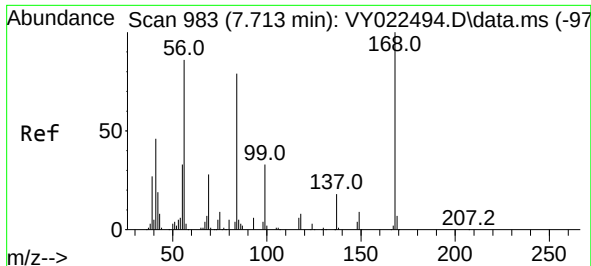
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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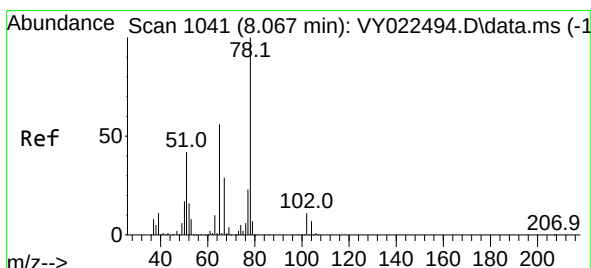
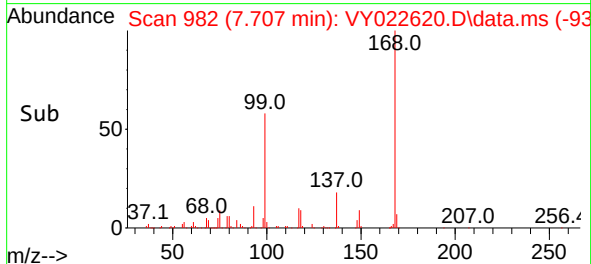
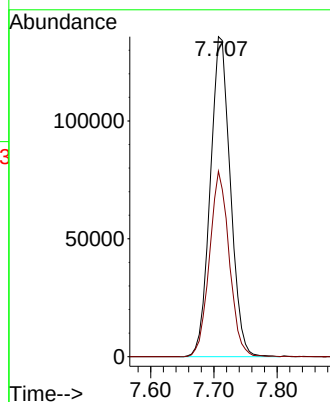
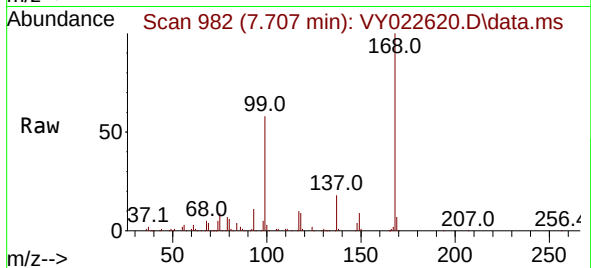




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

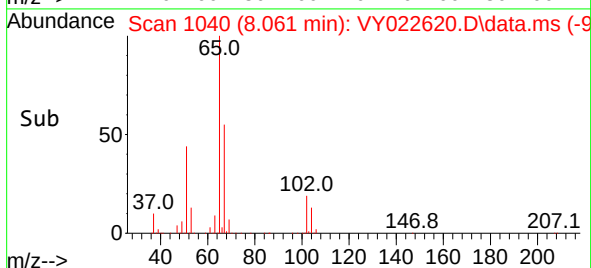
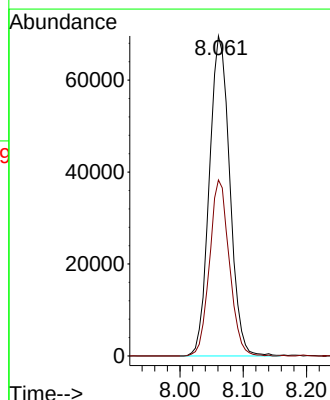
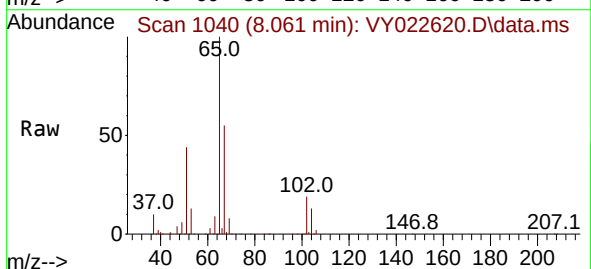
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

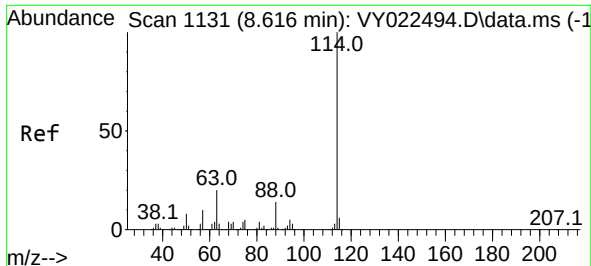
Tgt Ion:168 Resp: 299872
Ion Ratio Lower Upper
168 100
99 57.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 46.622 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion: 65 Resp: 156365
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

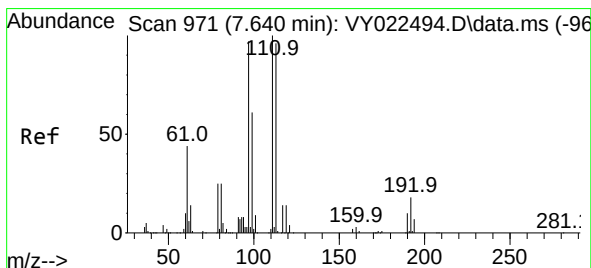
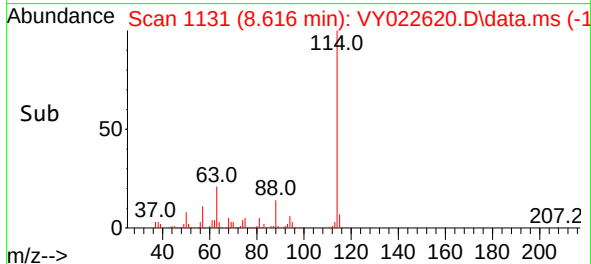
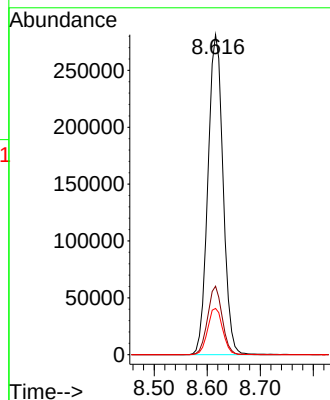
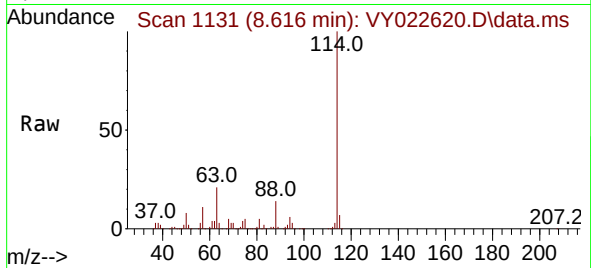




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

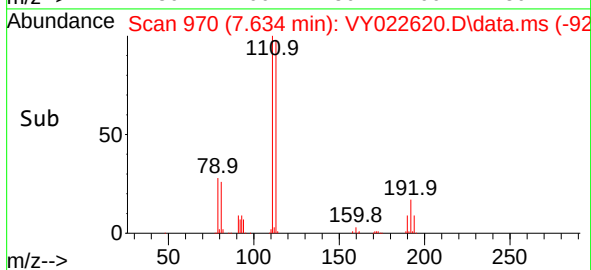
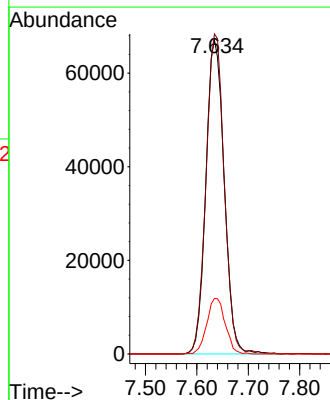
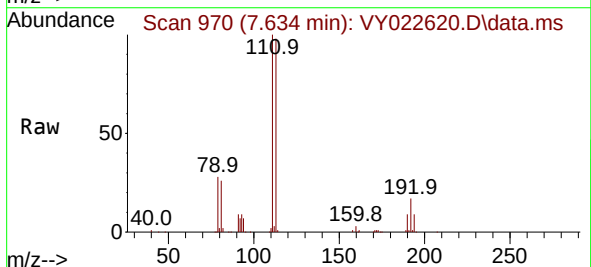
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

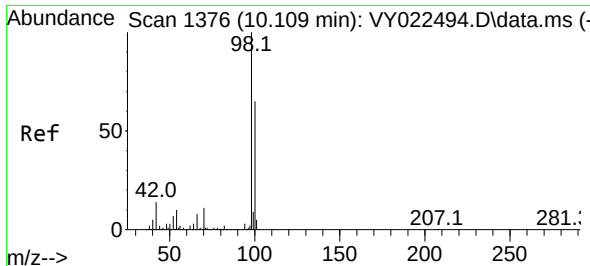
Tgt Ion:114 Resp: 556479
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.935 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion:113 Resp: 165860
Ion Ratio Lower Upper
113 100
111 101.0 81.1 121.7
192 17.9 14.2 21.2

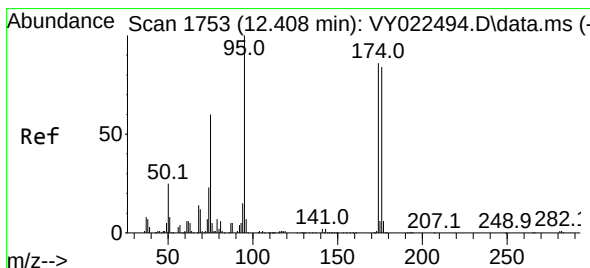
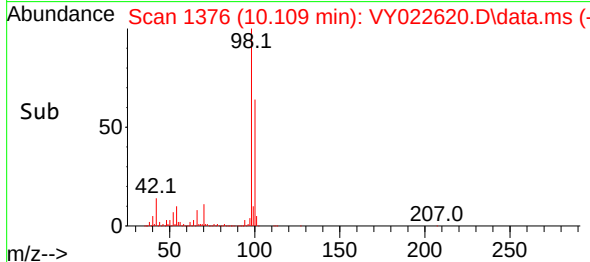
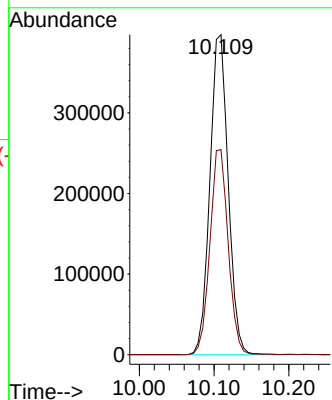
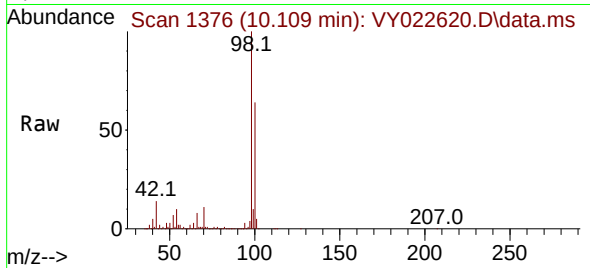




#50
Toluene-d8
Concen: 50.273 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

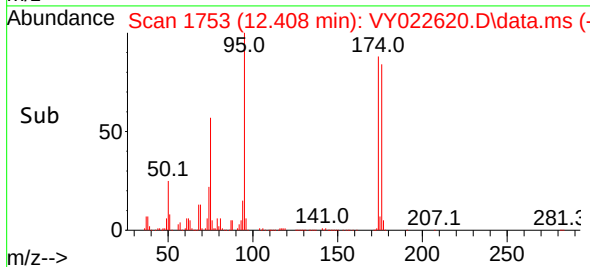
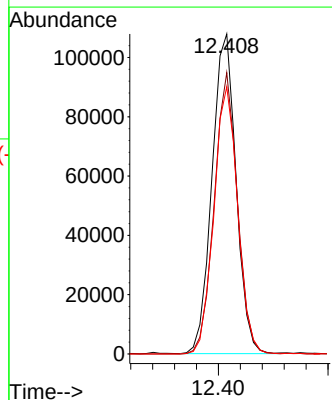
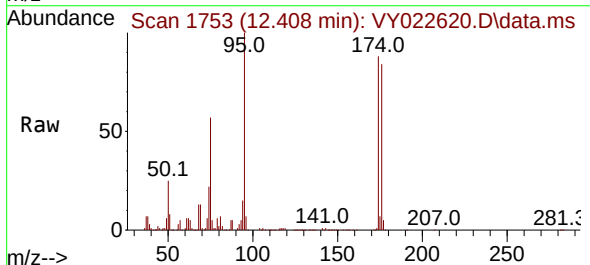
Instrument :
MSVOA_Y
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TP-1-VOC

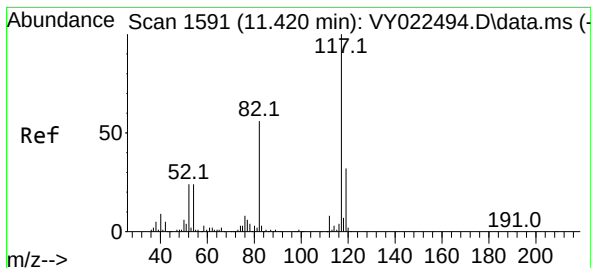
Tgt Ion: 98 Resp: 674717
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.027 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022620.D
Acq: 09 Jun 2025 11:16

Tgt Ion: 95 Resp: 164058
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 82.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022620.D

Acq: 09 Jun 2025 11:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

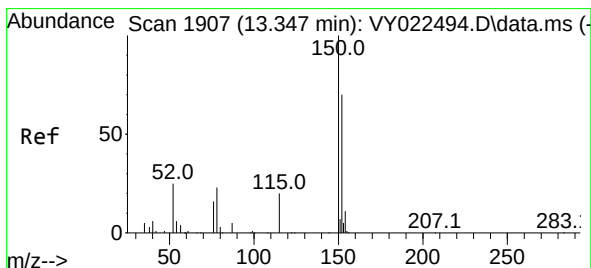
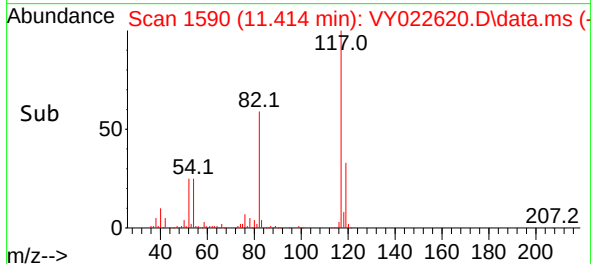
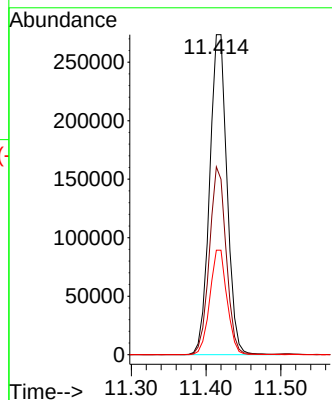
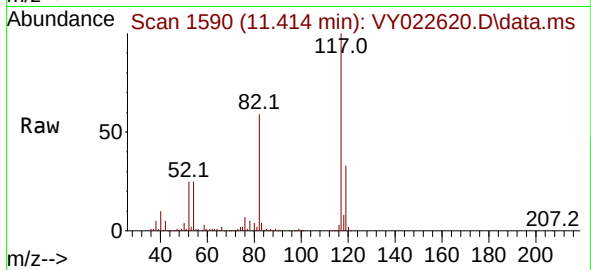
Tgt Ion:117 Resp: 441579

Ion Ratio Lower Upper

117 100

82 58.7 44.6 66.8

119 32.6 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: VY022620.D

Acq: 09 Jun 2025 11:16

Tgt Ion:152 Resp: 160950

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 157.0 0.0 349.6

