

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022633.D
 Acq On : 09 Jun 2025 16:20
 Operator : SY/MD
 Sample : Q2272-03
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-VOC

Quant Time: Jun 10 01:31:23 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	7.713	168	270023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	509742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	409406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154398	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	156003	51.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.320%
35) Dibromofluoromethane	7.634	113	154120	50.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.300%
50) Toluene-d8	10.109	98	621764	50.575	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.160%
62) 4-Bromofluorobenzene	12.408	95	154585	42.202	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.400%

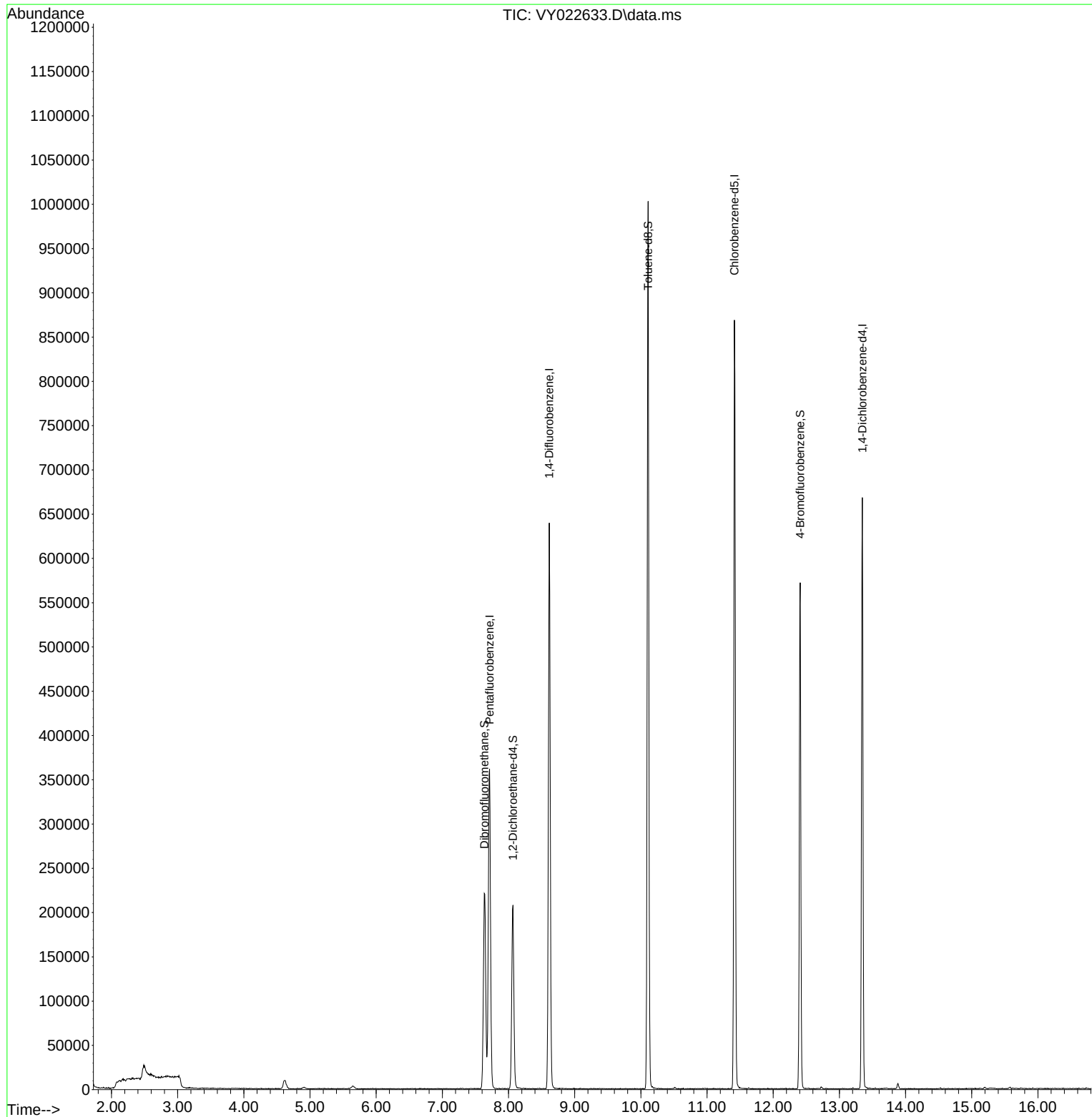
Target Compounds	Qvalue

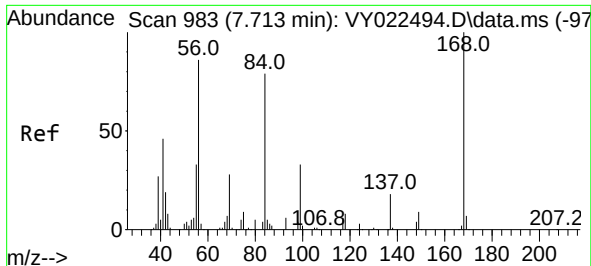
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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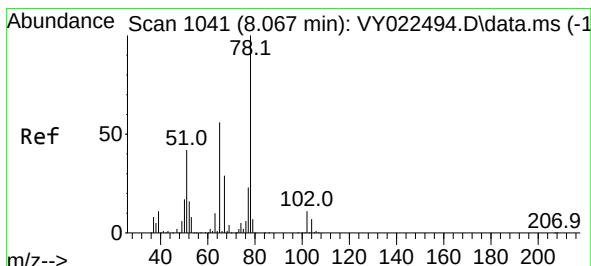
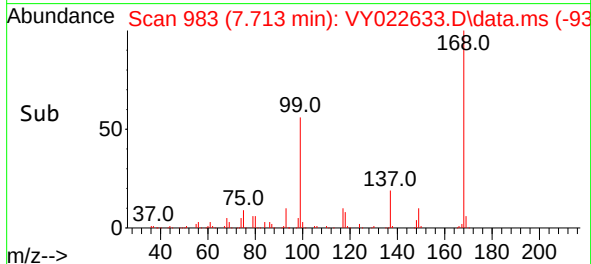
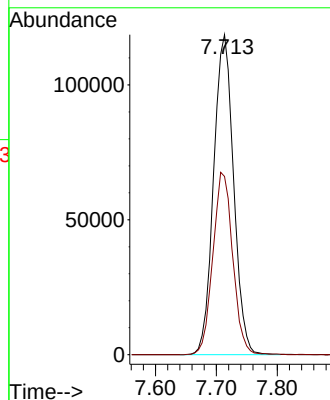
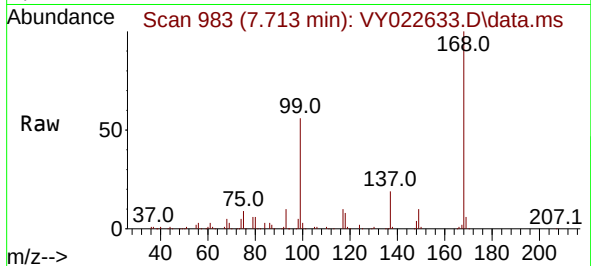




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022633.D
Acq: 09 Jun 2025 16:20

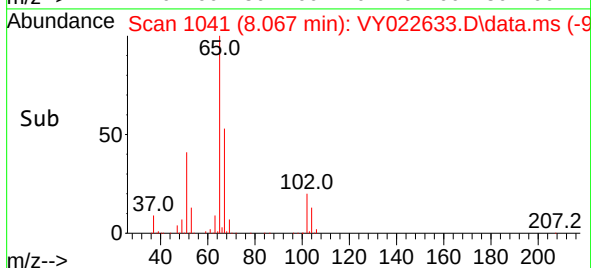
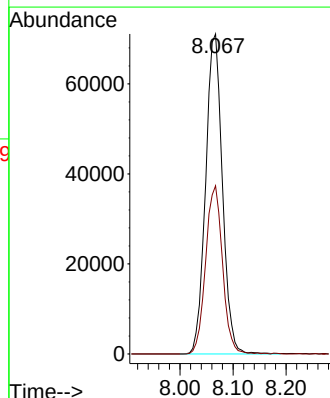
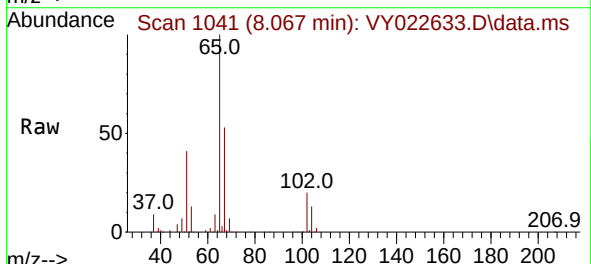
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

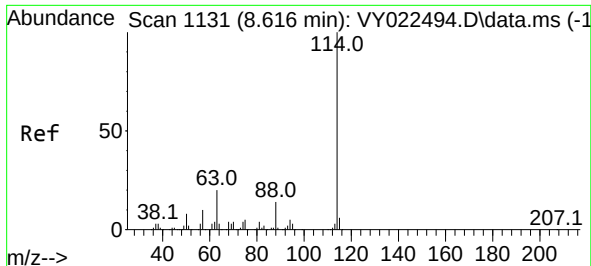
Tgt Ion:168 Resp: 270023
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.656 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022633.D
Acq: 09 Jun 2025 16:20

Tgt Ion: 65 Resp: 156003
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.4

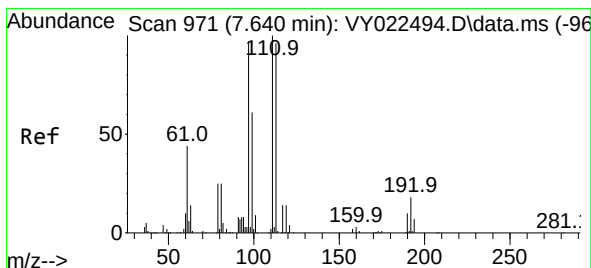
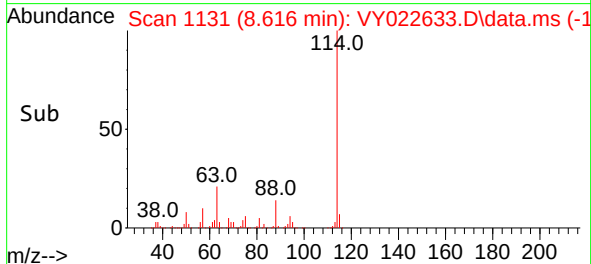
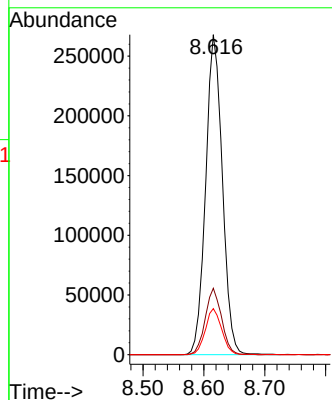
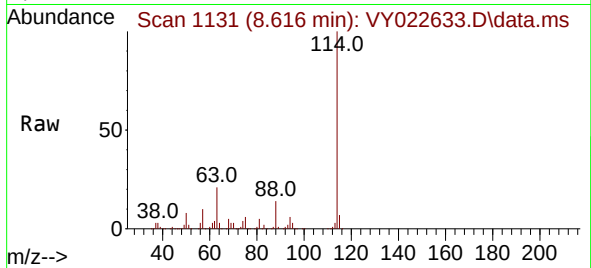




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022633.D
Acq: 09 Jun 2025 16:20

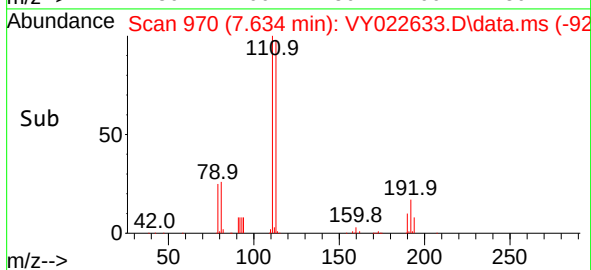
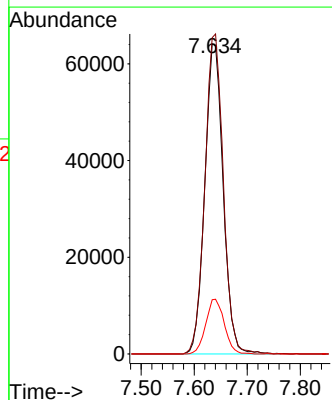
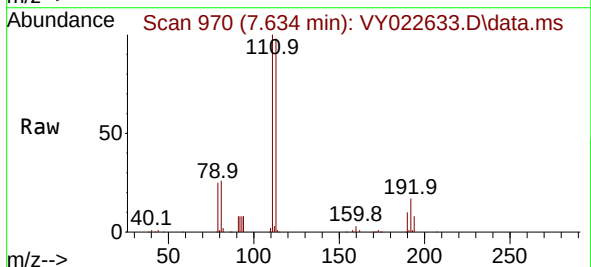
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

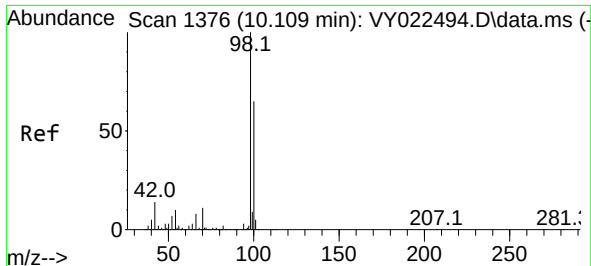
Tgt Ion:114 Resp: 509742
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.655 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022633.D
Acq: 09 Jun 2025 16:20

Tgt Ion:113 Resp: 154120
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 17.8 14.2 21.2

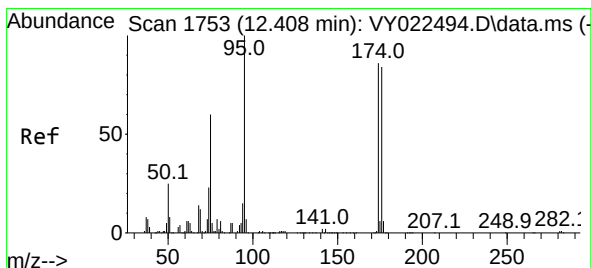
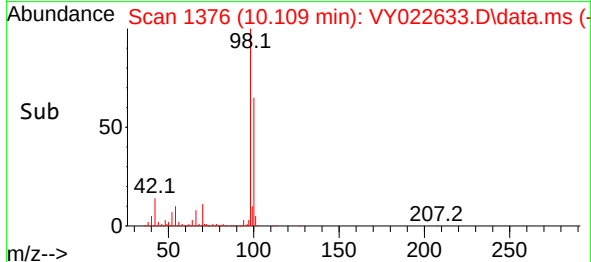
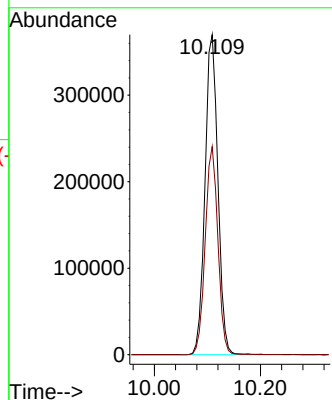
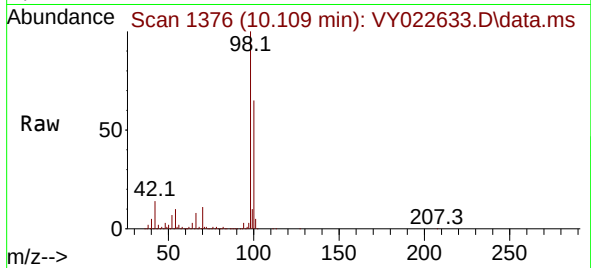




#50
Toluene-d8
Concen: 50.575 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022633.D
Acq: 09 Jun 2025 16:20

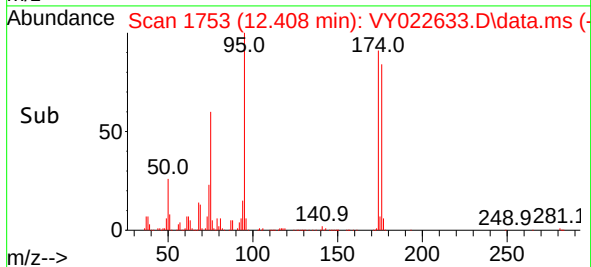
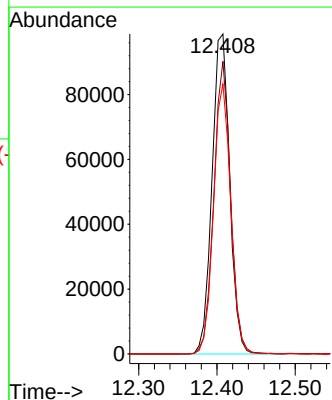
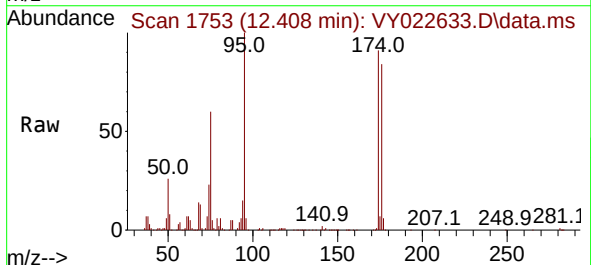
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

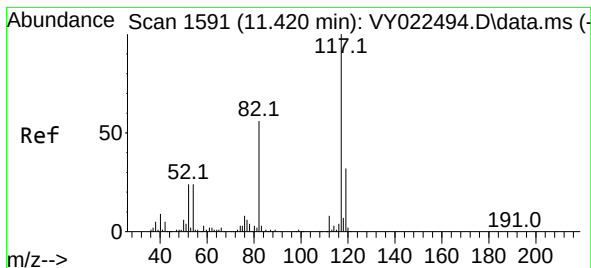
Tgt Ion: 98 Resp: 621764
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.202 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022633.D
Acq: 09 Jun 2025 16:20

Tgt Ion: 95 Resp: 154585
Ion Ratio Lower Upper
95 100
174 87.2 0.0 170.0
176 82.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022633.D

Acq: 09 Jun 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-VOC

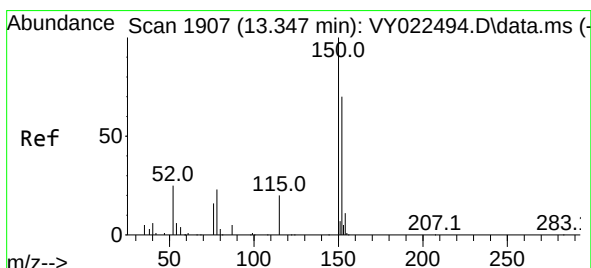
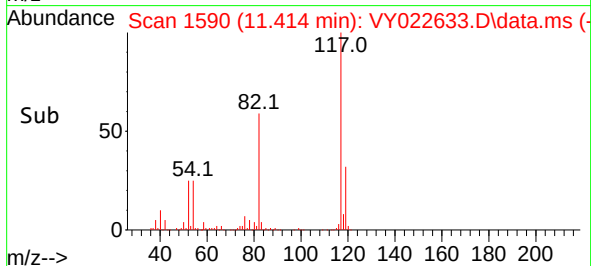
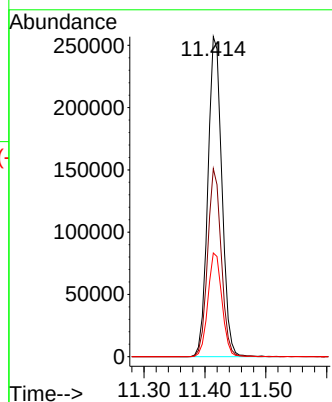
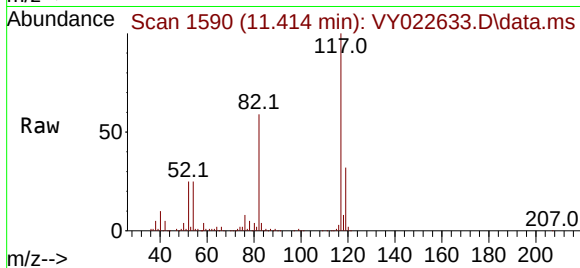
Tgt Ion:117 Resp: 409406

Ion Ratio Lower Upper

117 100

82 58.7 44.6 66.8

119 32.4 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: VY022633.D

Acq: 09 Jun 2025 16:20

Tgt Ion:152 Resp: 154398

Ion Ratio Lower Upper

152 100

115 56.7 28.9 86.7

150 157.1 0.0 349.6

