

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022683.D
 Acq On : 13 Jun 2025 09:13
 Operator : SY/MD
 Sample : VY0613SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0613SBL01

Quant Time: Jun 14 02:00:00 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	169791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	249938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	87111	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92485	48.701	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.400%
35) Dibromofluoromethane	7.634	113	95464	51.008	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.020%
50) Toluene-d8	10.103	98	377974	49.982	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.402	95	87831	38.981	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.960%

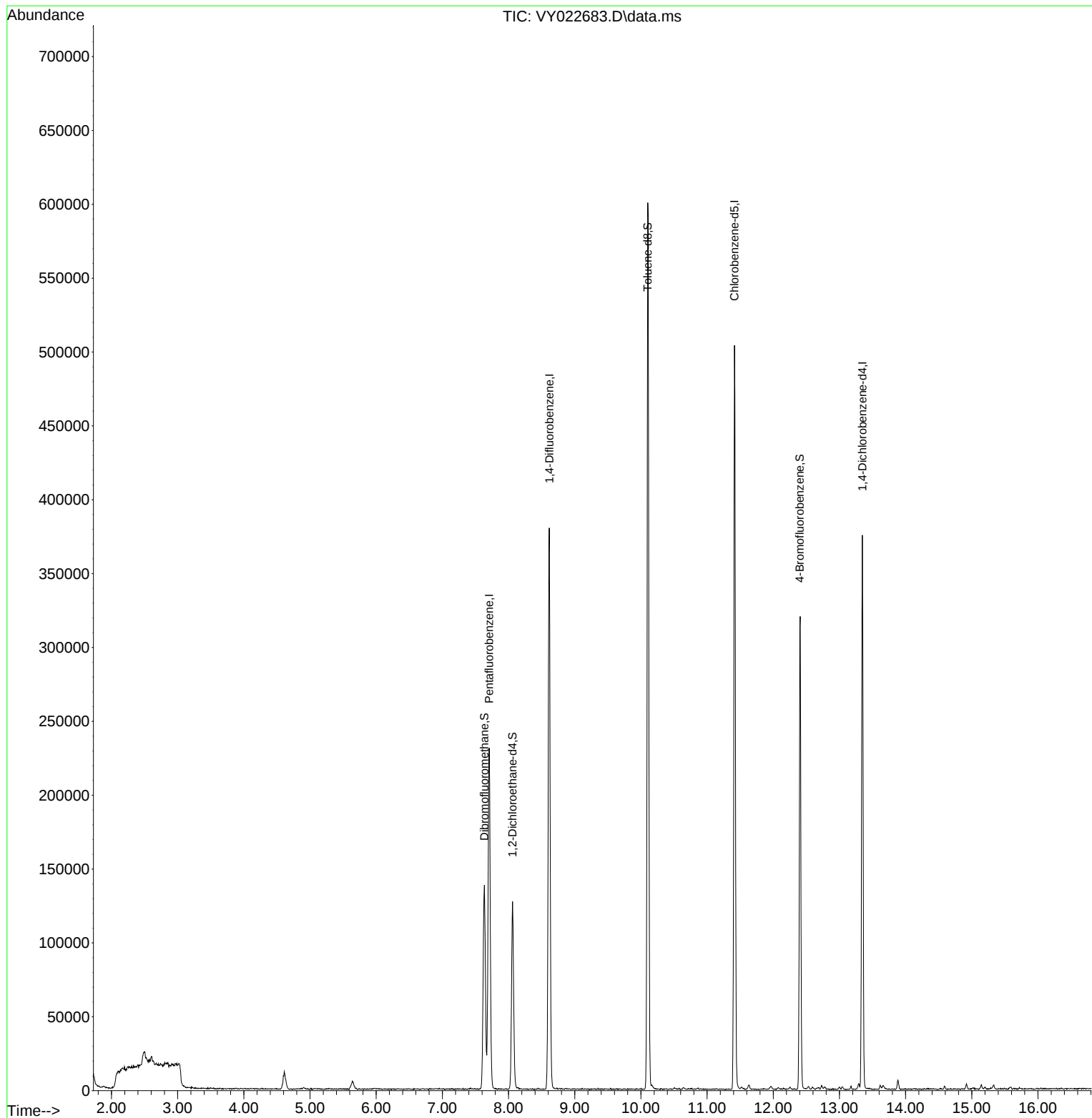
Target Compounds	Qvalue

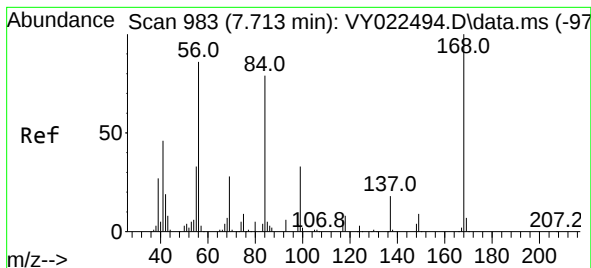
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY022683.D

Acq: 13 Jun 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

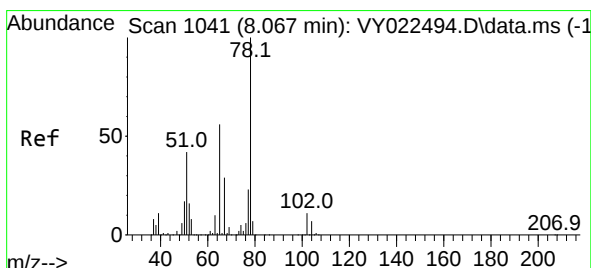
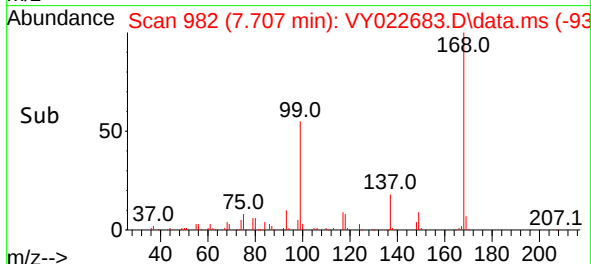
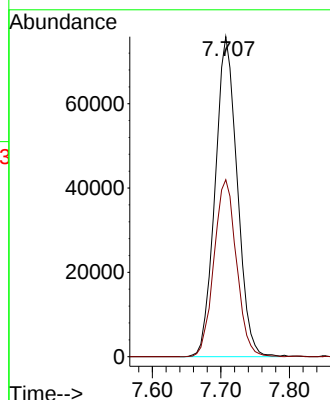
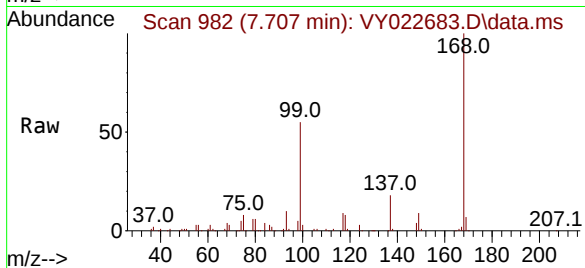
VY0613SBL01

Tgt Ion:168 Resp: 169791

Ion Ratio Lower Upper

168 100

99 55.3 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 48.701 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022683.D

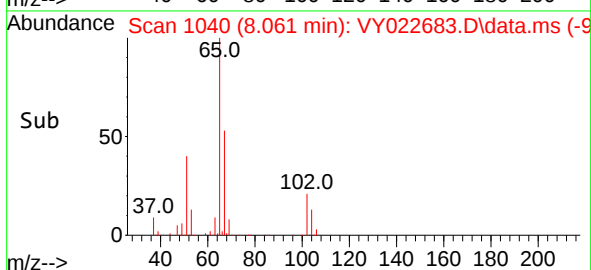
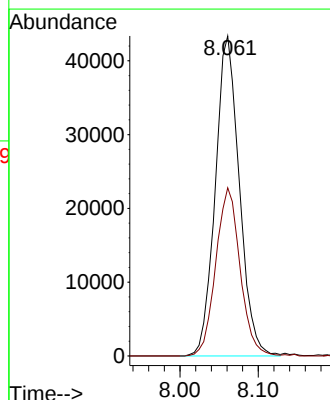
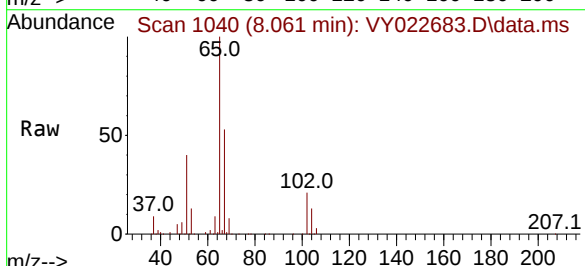
Acq: 13 Jun 2025 09:13

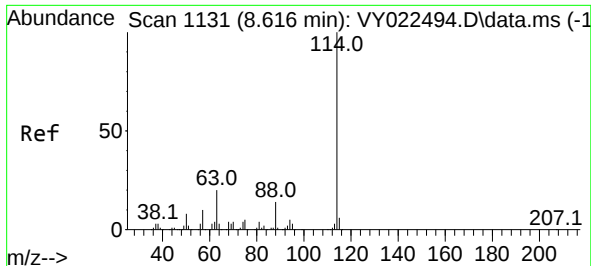
Tgt Ion: 65 Resp: 92485

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.4

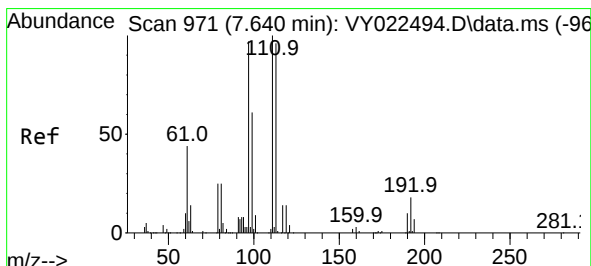
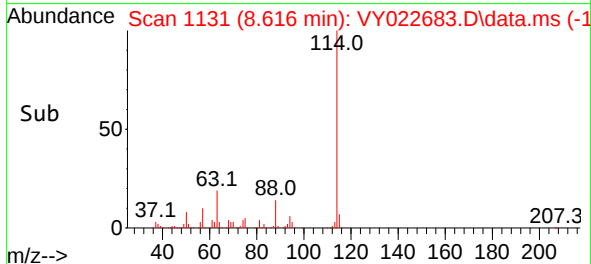
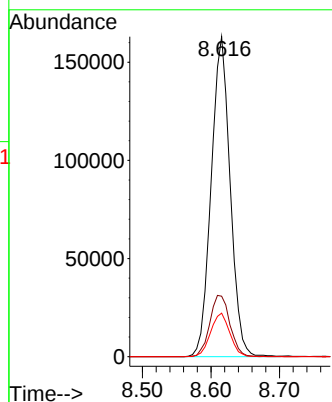
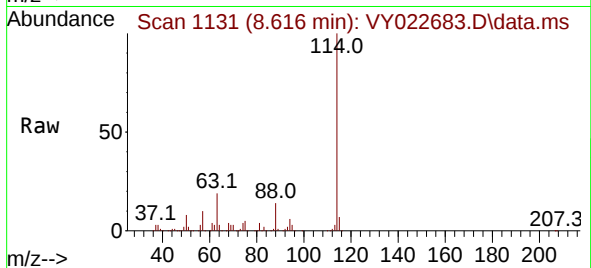




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022683.D
Acq: 13 Jun 2025 09:13

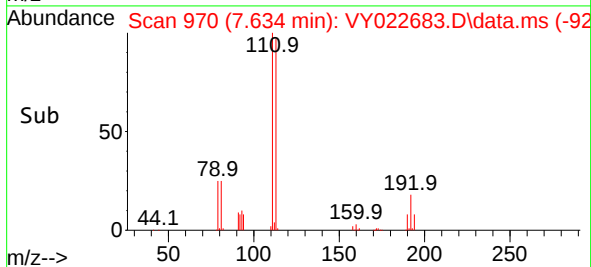
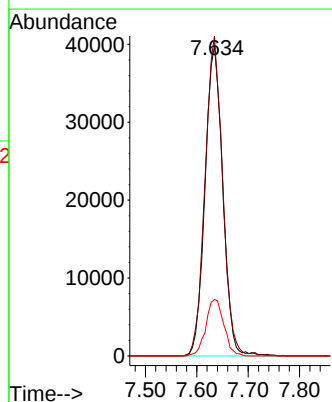
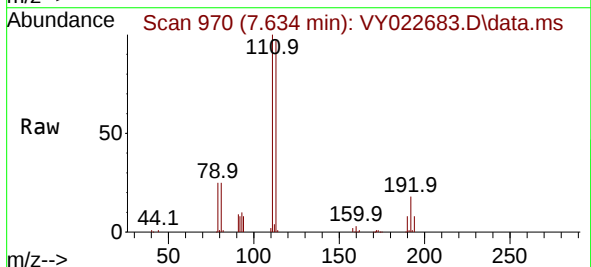
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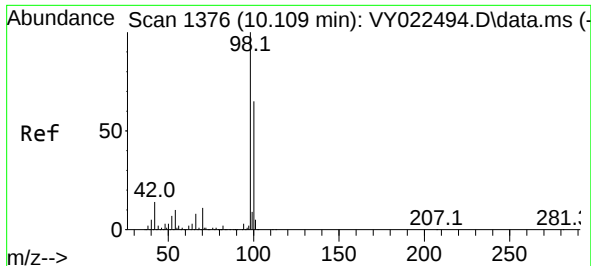
Tgt Ion:114 Resp: 313555
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.8
88 13.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.008 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022683.D
Acq: 13 Jun 2025 09:13

Tgt Ion:113 Resp: 95464
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 18.5 14.2 21.2

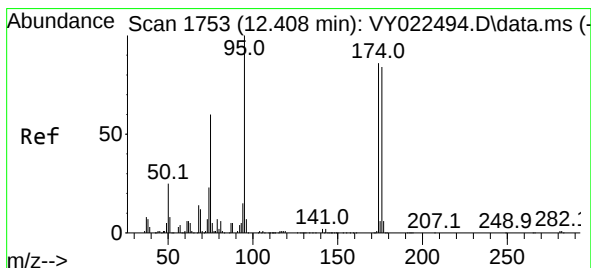
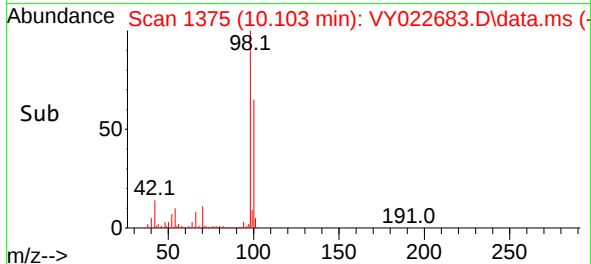
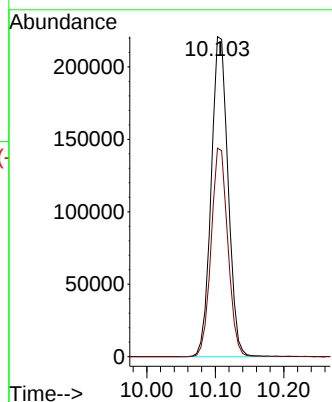
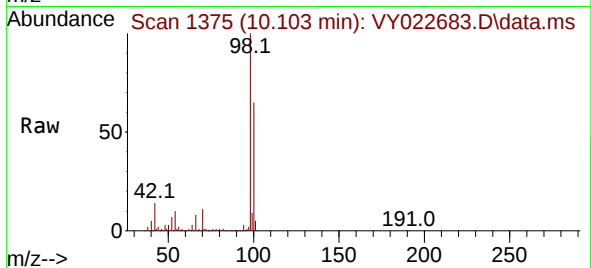




#50
Toluene-d8
Concen: 49.982 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022683.D
Acq: 13 Jun 2025 09:13

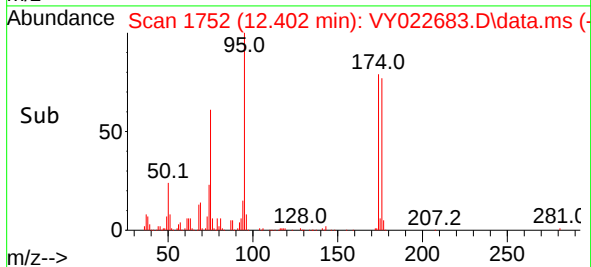
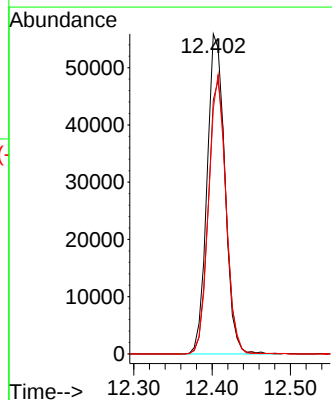
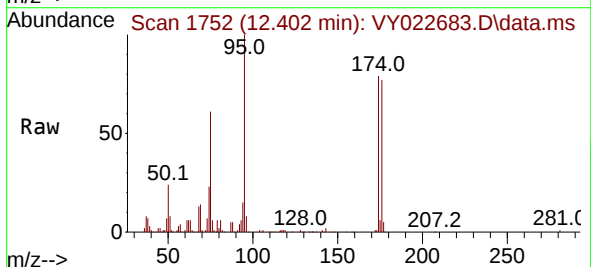
Instrument :
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VY0613SBL01

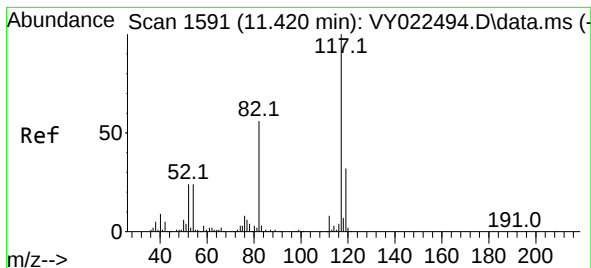
Tgt Ion: 98 Resp: 377974
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 38.981 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022683.D
Acq: 13 Jun 2025 09:13

Tgt Ion: 95 Resp: 87831
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.0
176 84.8 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: VY022683.D

Acq: 13 Jun 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0613SBL01

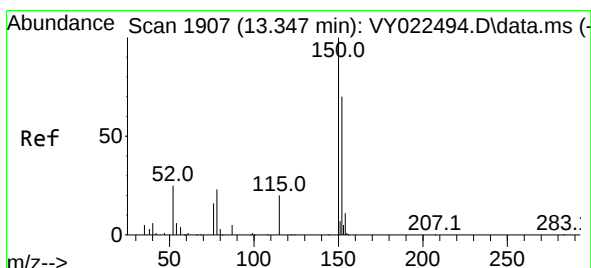
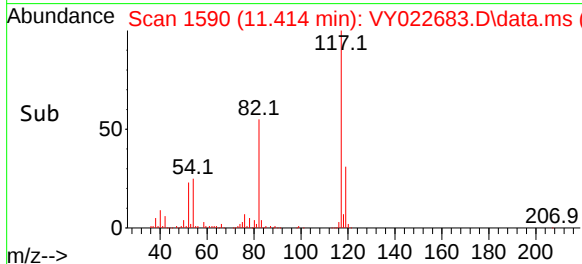
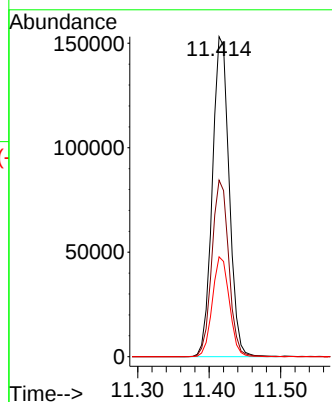
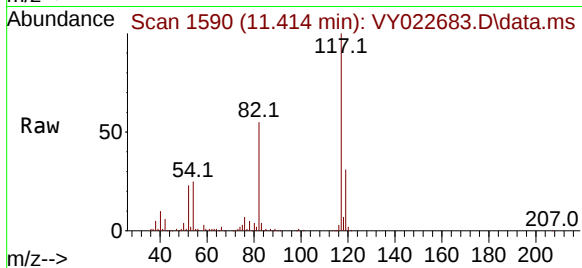
Tgt Ion:117 Resp: 249938

Ion Ratio Lower Upper

117 100

82 55.2 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: VY022683.D

Acq: 13 Jun 2025 09:13

Tgt Ion:152 Resp: 87111

Ion Ratio Lower Upper

152 100

115 55.1 28.9 86.7

150 154.9 0.0 349.6

