

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022696.D
 Acq On : 16 Jun 2025 09:40
 Operator : SY/MD
 Sample : VY0616SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBL01

Quant Time: Jun 17 05:50:38 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	7.713	168	118205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	219441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	175112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63063	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	64514	48.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.600%
35) Dibromofluoromethane	7.640	113	67058	51.197	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.400%
50) Toluene-d8	10.109	98	260050	49.136	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.408	95	77119	48.906	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.820%

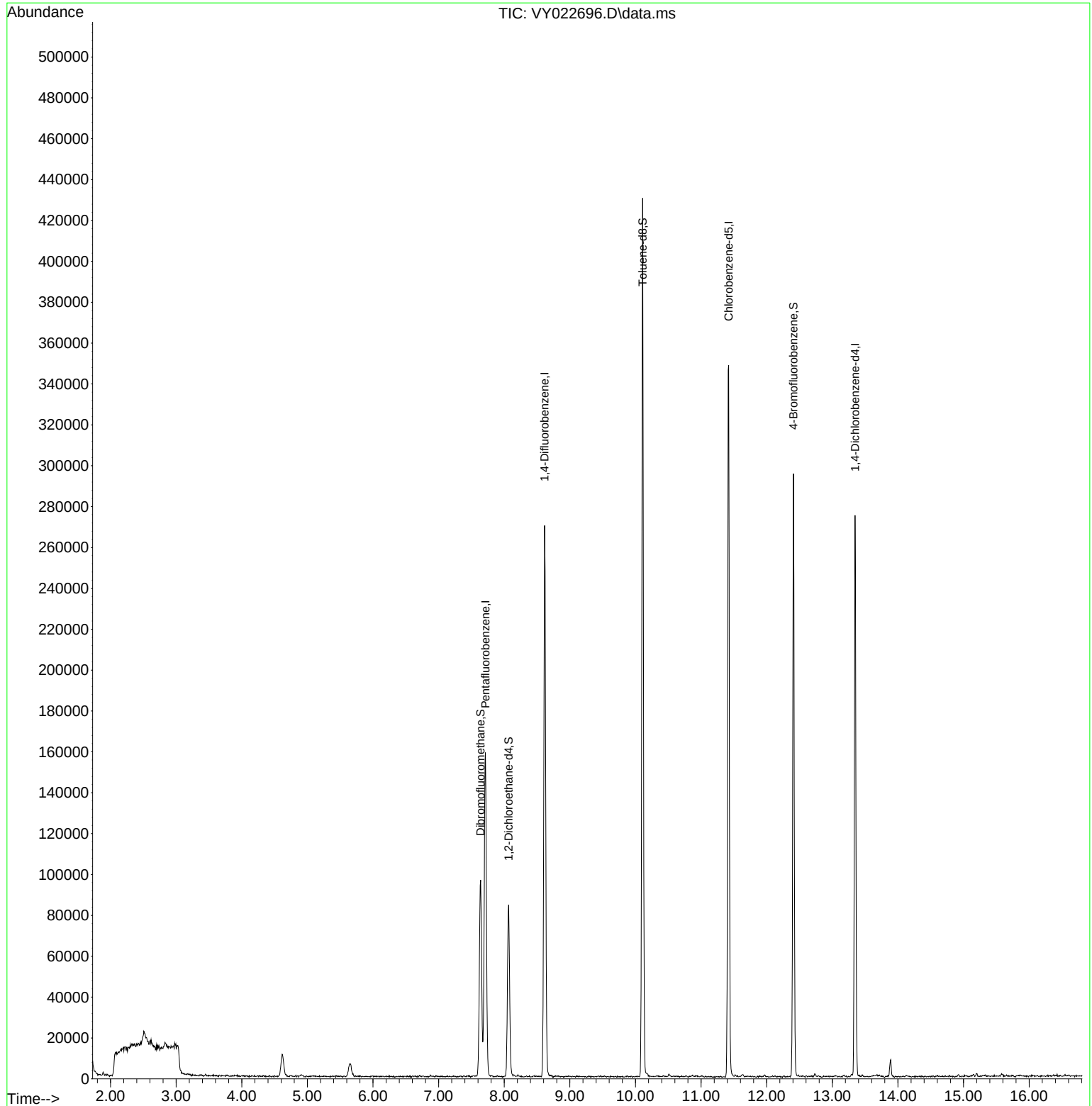
Target Compounds	Qvalue

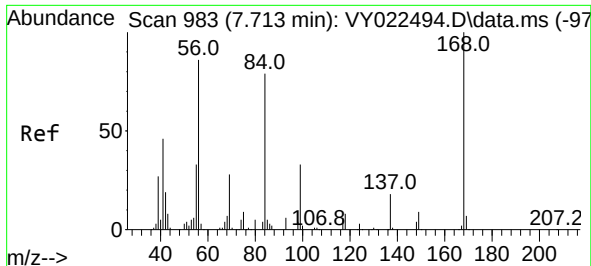
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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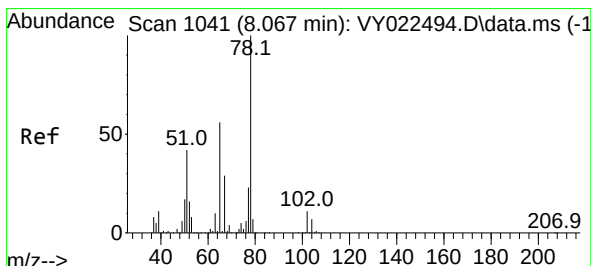
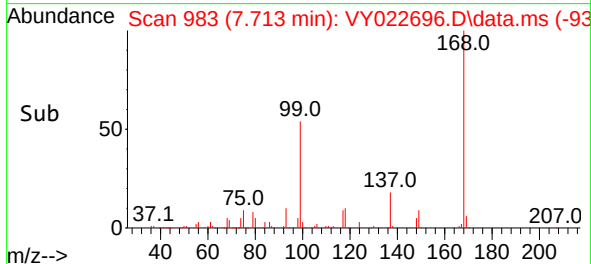
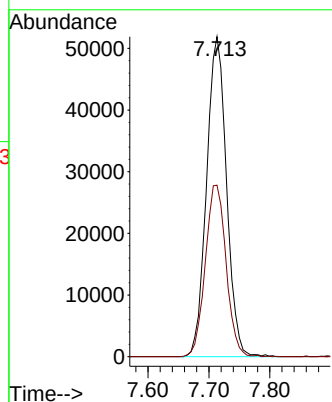
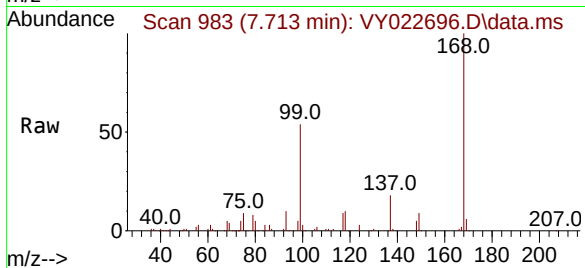




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

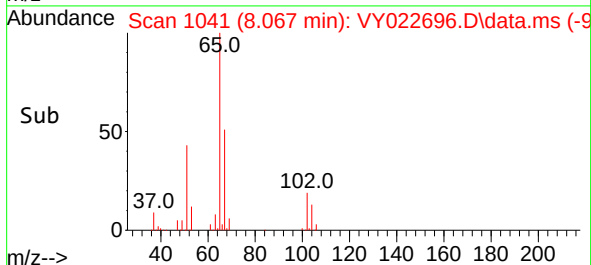
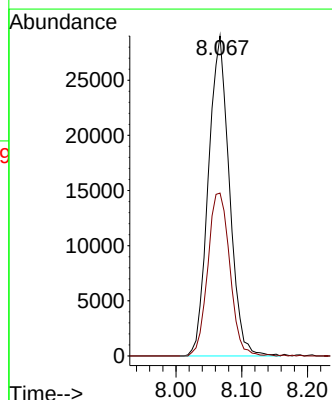
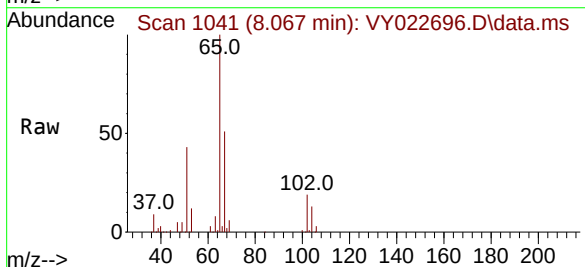
Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

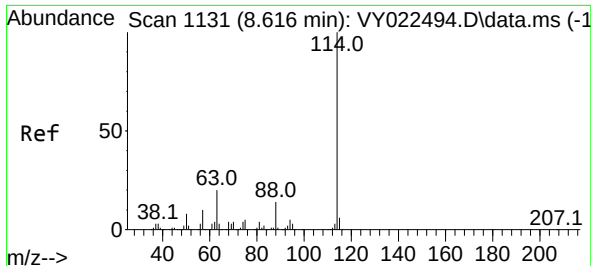
Tgt Ion:168 Resp: 118205
Ion Ratio Lower Upper
168 100
99 53.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.798 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Tgt Ion: 65 Resp: 64514
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.4

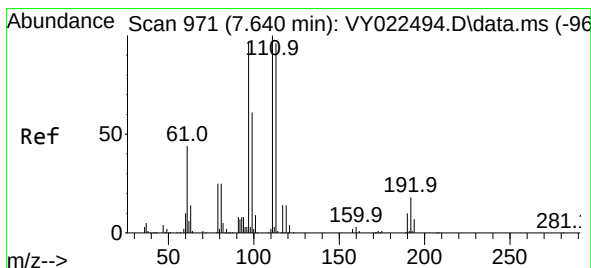
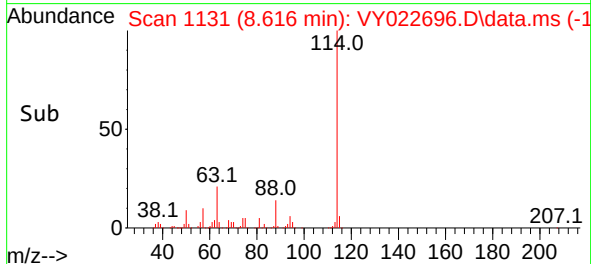
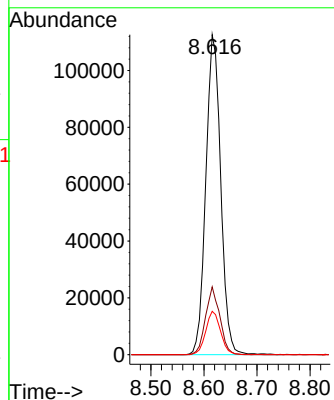
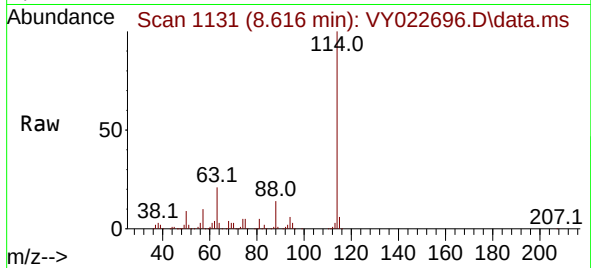




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

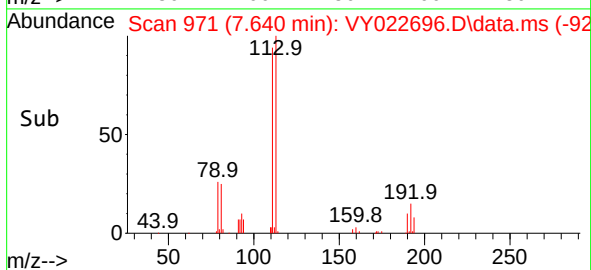
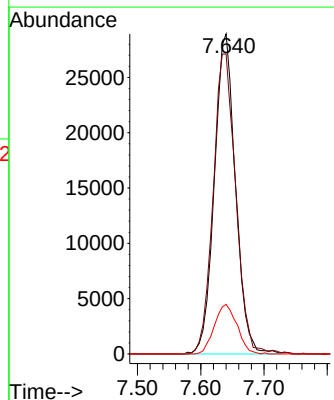
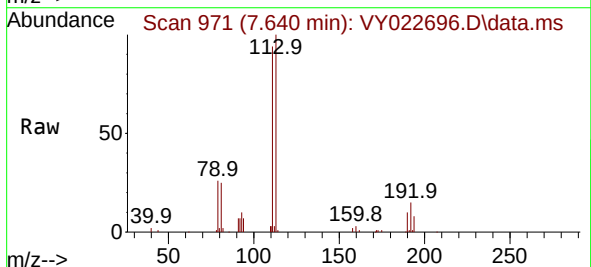
Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

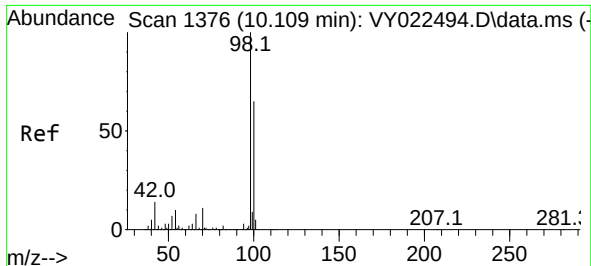
Tgt Ion:114 Resp: 219441
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 13.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.197 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Tgt Ion:113 Resp: 67058
Ion Ratio Lower Upper
113 100
111 100.2 81.1 121.7
192 16.6 14.2 21.2

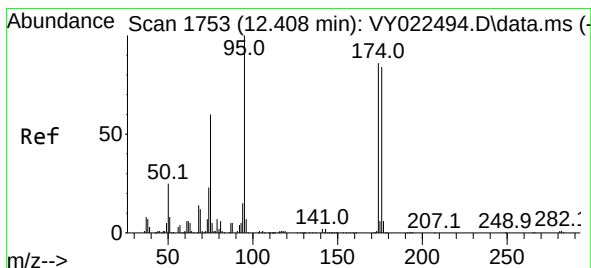
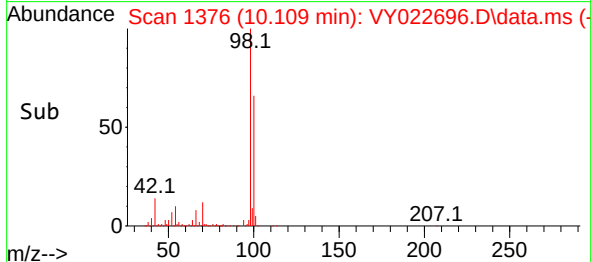
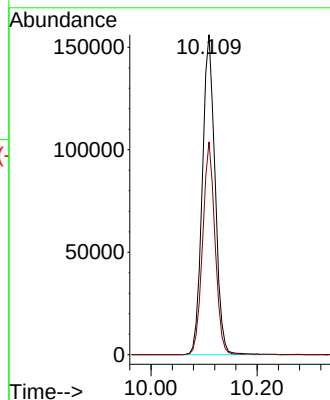
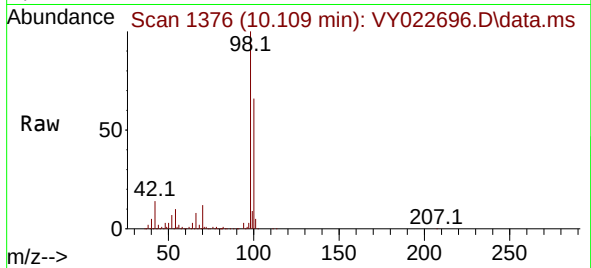




#50
Toluene-d8
Concen: 49.136 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

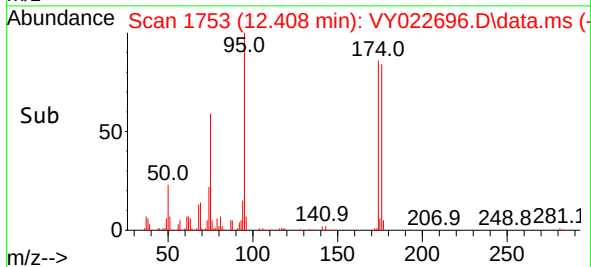
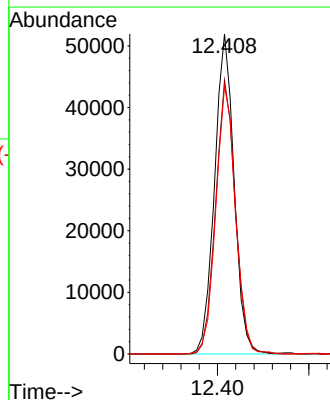
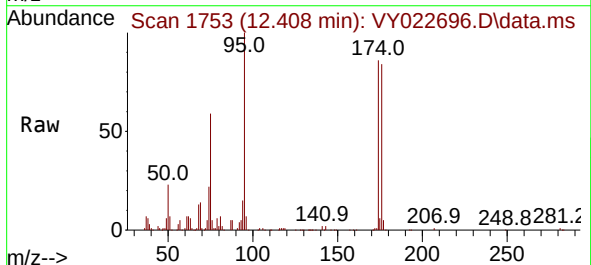
Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

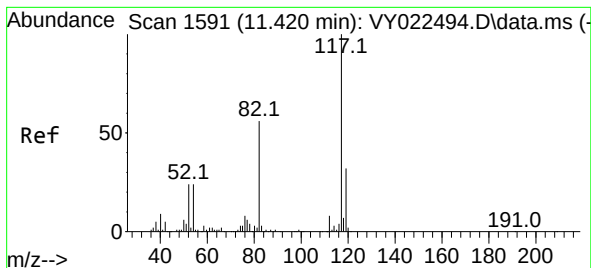
Tgt Ion: 98 Resp: 260050
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 48.906 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Tgt Ion: 95 Resp: 77119
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 84.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022696.D

Acq: 16 Jun 2025 09:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0616SBL01

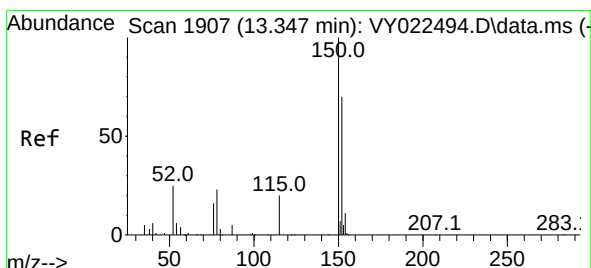
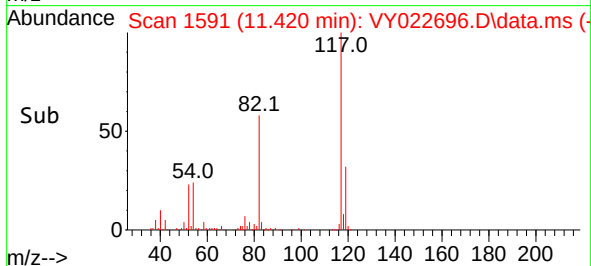
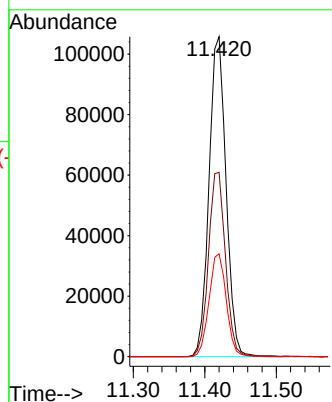
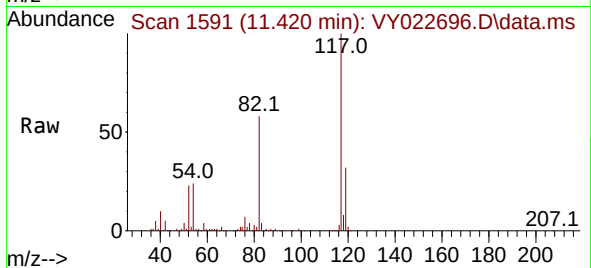
Tgt Ion:117 Resp: 175112

Ion Ratio Lower Upper

117 100

82 57.6 44.6 66.8

119 32.2 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: VY022696.D

Acq: 16 Jun 2025 09:40

Tgt Ion:152 Resp: 63063

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 155.2 0.0 349.6

