

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021664.D
 Acq On : 27 Mar 2025 13:59
 Operator : SY/MD
 Sample : VY0327SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0327SBL01

Quant Time: Mar 28 03:58:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	261871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	486677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	431003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	168096	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152066	53.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.200%
35) Dibromofluoromethane	7.634	113	163312	51.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.460%
50) Toluene-d8	10.109	98	585434	48.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.408	95	179432	44.169	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.340%

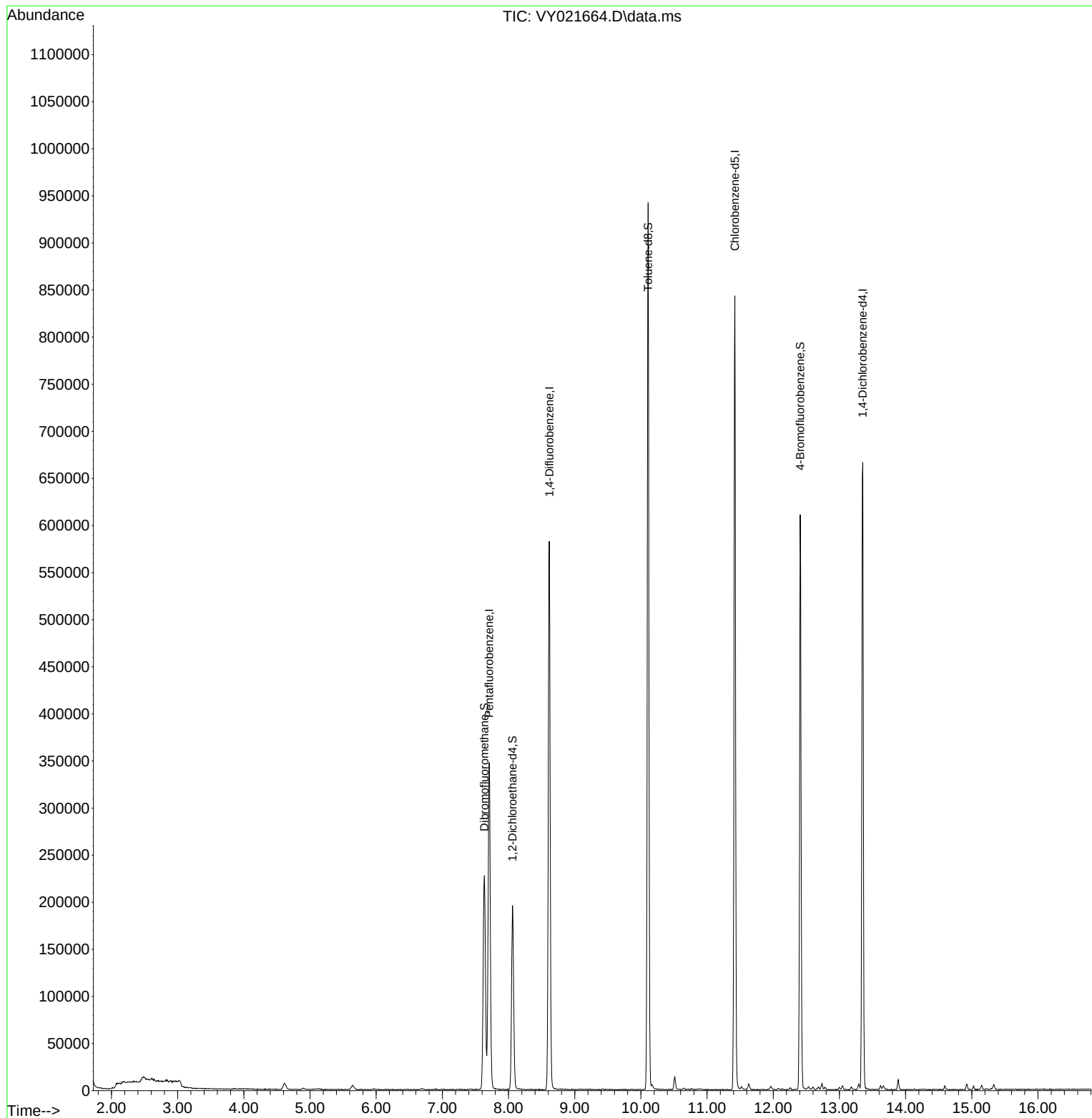
Target Compounds	Qvalue

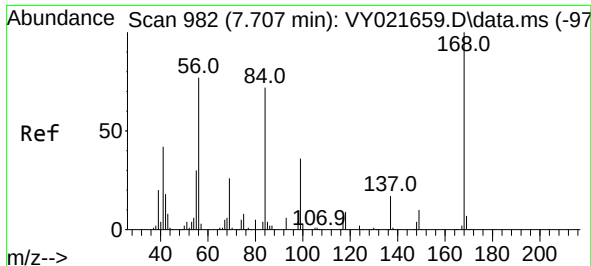
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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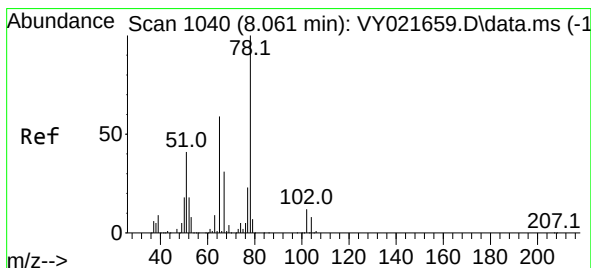
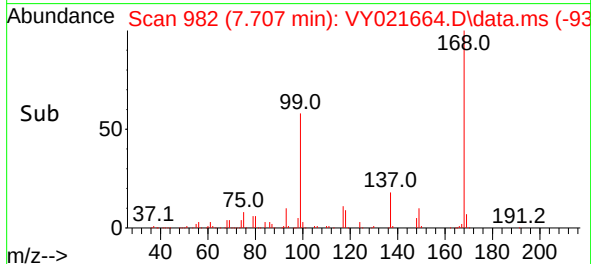
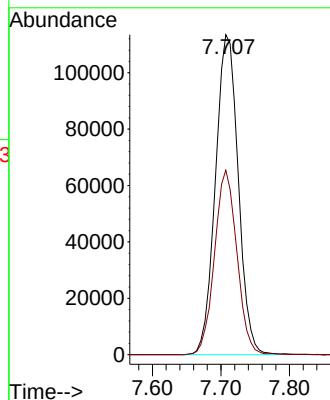
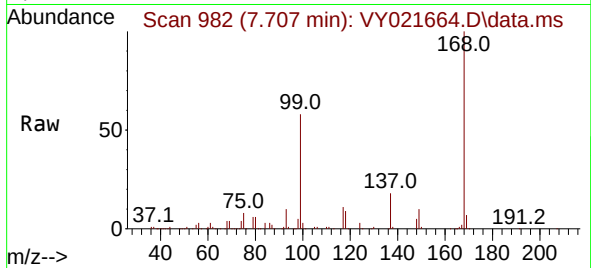




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

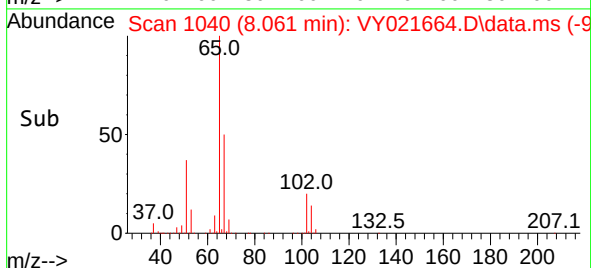
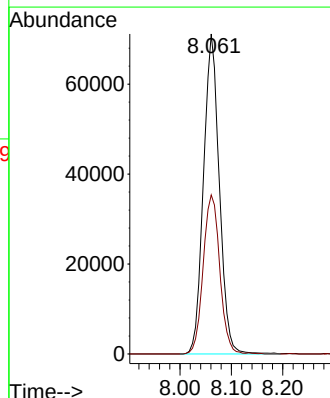
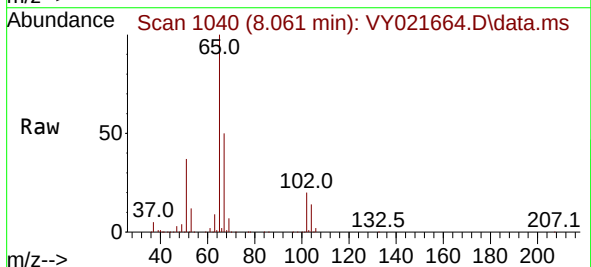
Instrument :
MSVOA_Y
ClientSampleId :
VY0327SBL01

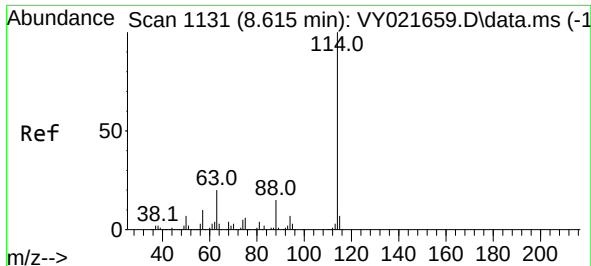
Tgt Ion:168 Resp: 261871
Ion Ratio Lower Upper
168 100
99 57.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 53.595 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

Tgt Ion: 65 Resp: 152066
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6

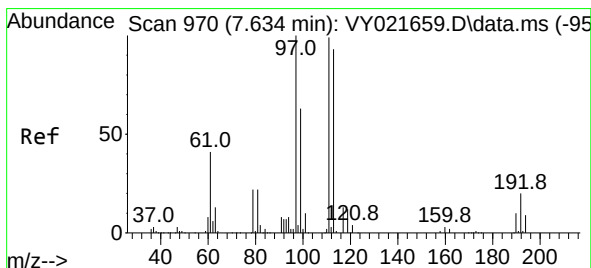
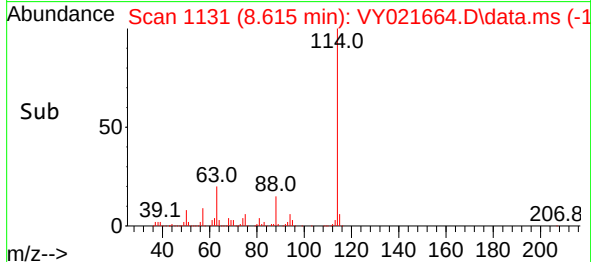
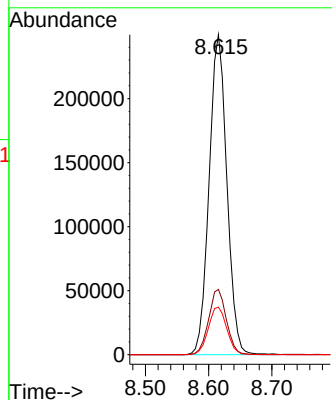
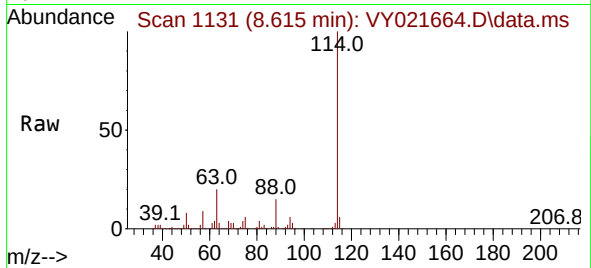




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

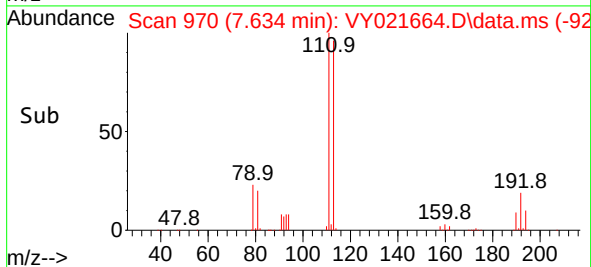
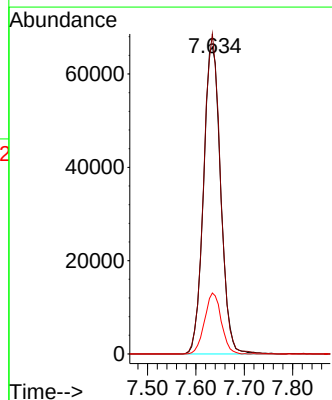
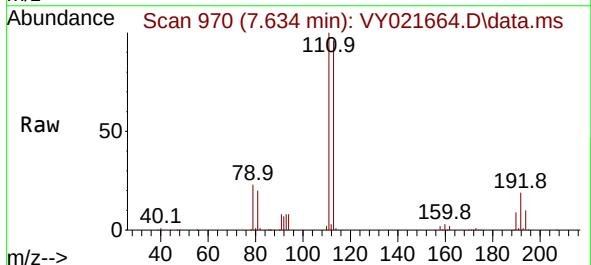
Instrument :
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ClientSampleId :
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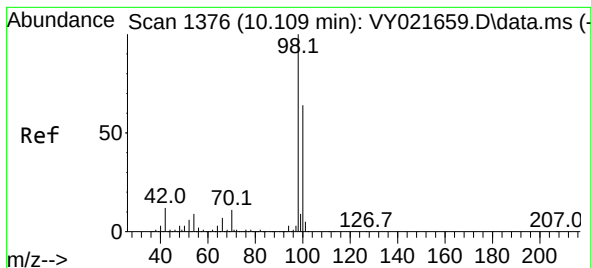
Tgt Ion:114 Resp: 486677
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.2
88 14.8 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

Tgt Ion:113 Resp: 163312
Ion Ratio Lower Upper
113 100
111 100.9 82.6 123.8
192 19.2 16.2 24.4

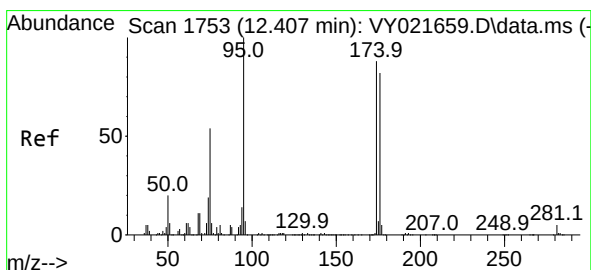
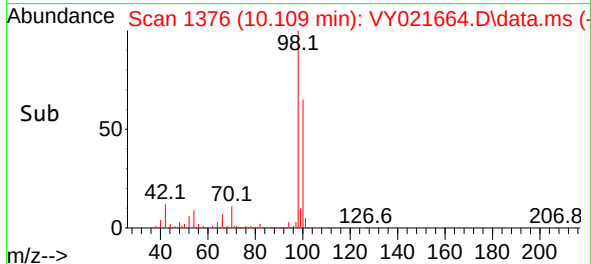
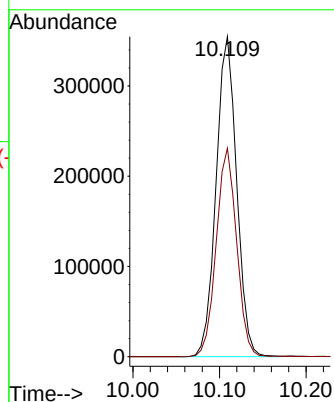
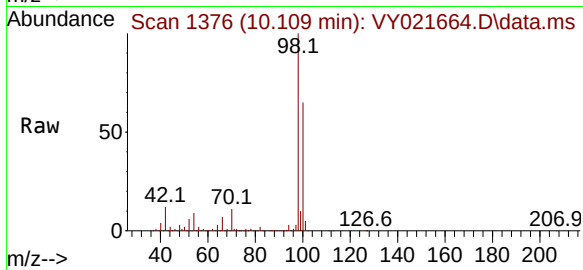




#50
Toluene-d8
Concen: 48.745 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

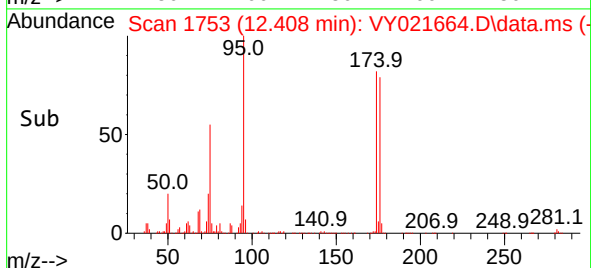
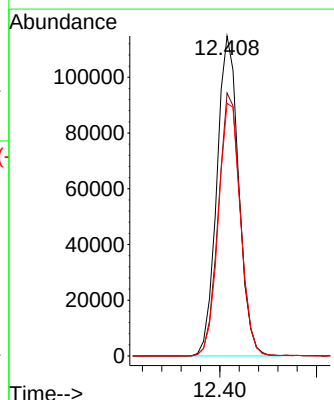
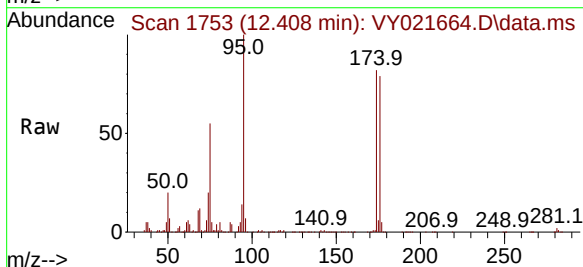
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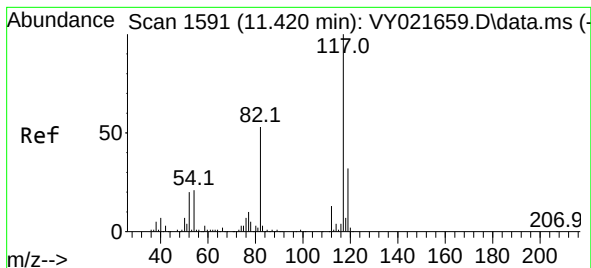
Tgt Ion: 98 Resp: 585434
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.169 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021664.D
Acq: 27 Mar 2025 13:59

Tgt Ion: 95 Resp: 179432
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 80.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021664.D

Acq: 27 Mar 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0327SBL01

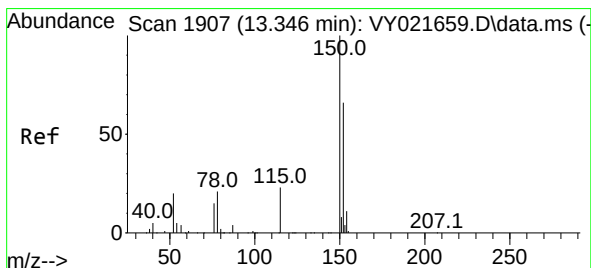
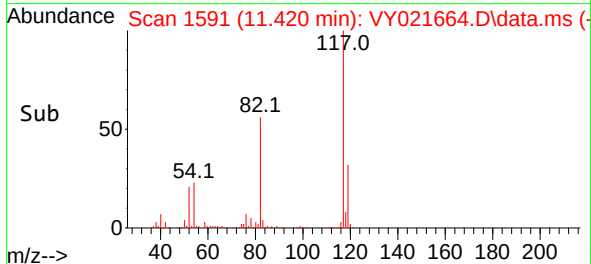
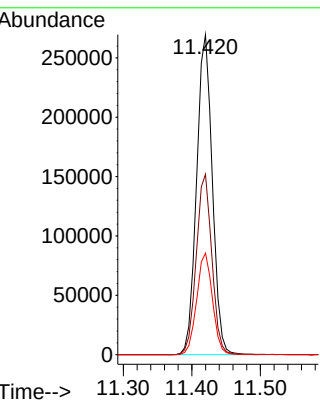
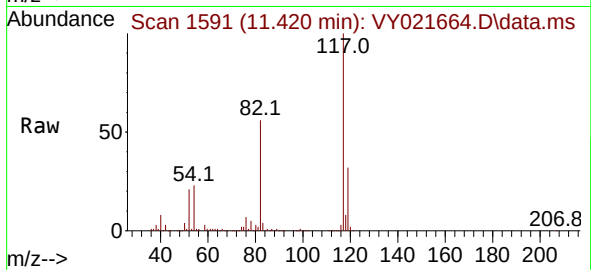
Tgt Ion:117 Resp: 431003

Ion Ratio Lower Upper

117 100

82 56.4 42.8 64.2

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021664.D

Acq: 27 Mar 2025 13:59

Tgt Ion:152 Resp: 168096

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.9 0.0 348.4

