

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021883.D
 Acq On : 15 Apr 2025 09:37
 Operator : SY/MD
 Sample : VY0415SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBL01

Quant Time: Apr 16 02:59:58 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	309792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	451920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163838	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150094	44.717	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.440%
35) Dibromofluoromethane	7.634	113	174513	48.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.140%
50) Toluene-d8	10.109	98	649771	47.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.060%
62) 4-Bromofluorobenzene	12.408	95	175312	37.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.840%

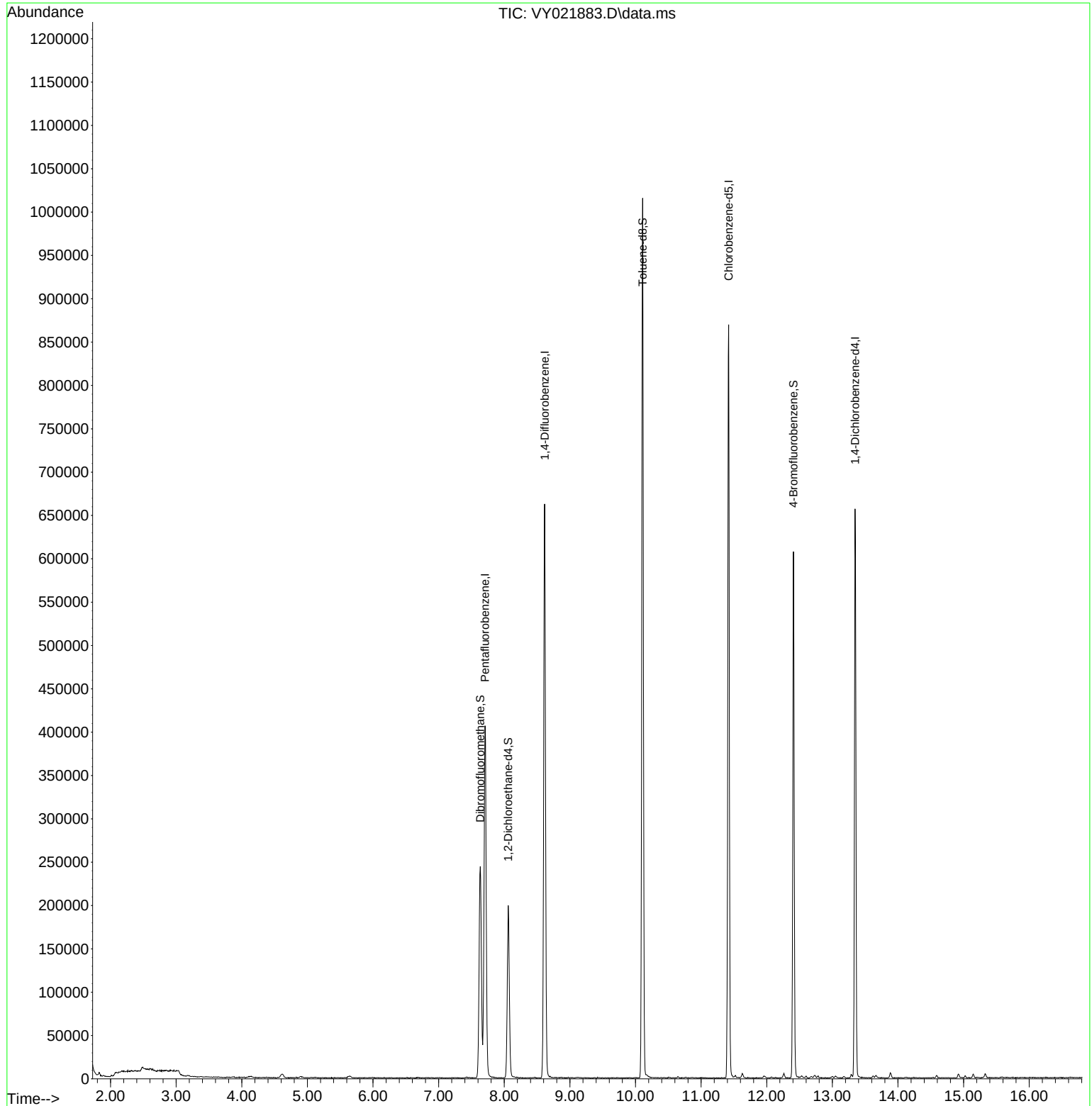
Target Compounds	Qvalue

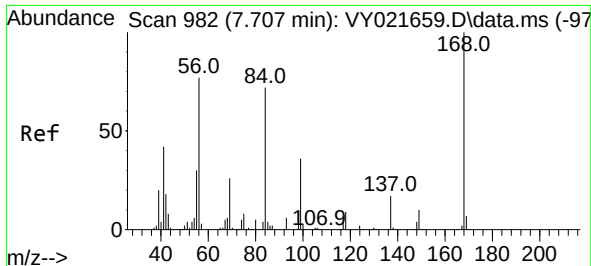
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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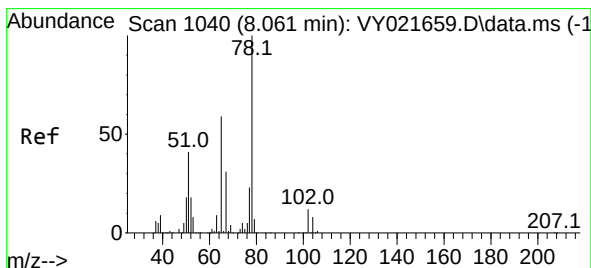
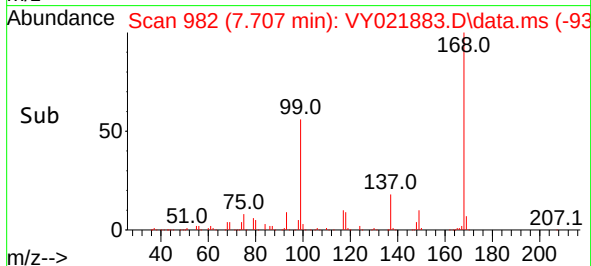
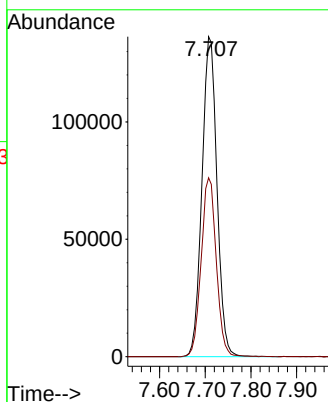
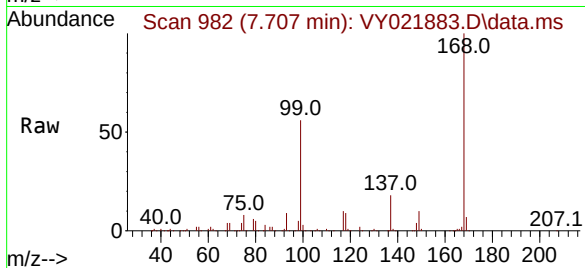




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

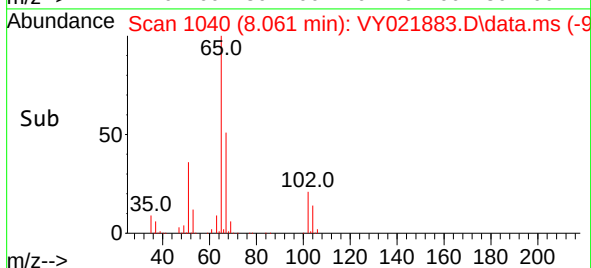
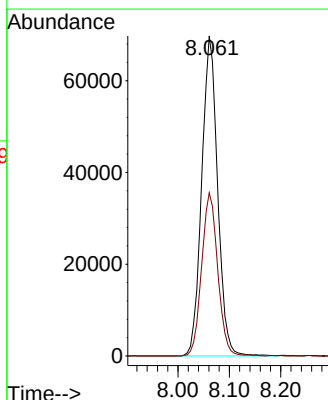
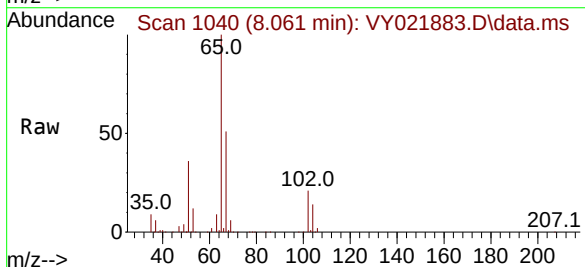
Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

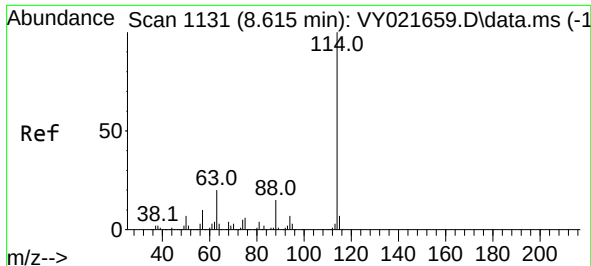
Tgt Ion:168 Resp: 309792
Ion Ratio Lower Upper
168 100
99 55.9 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 44.717 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Tgt Ion: 65 Resp: 150094
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

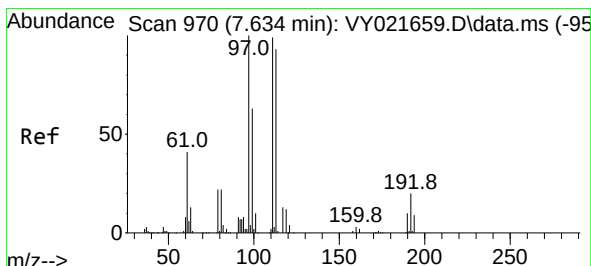
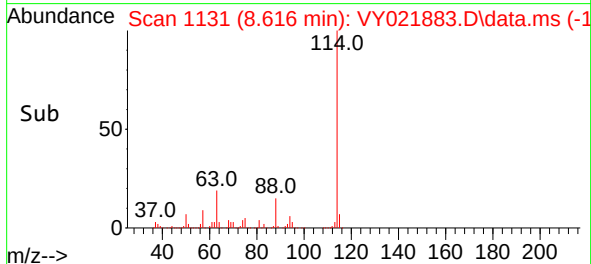
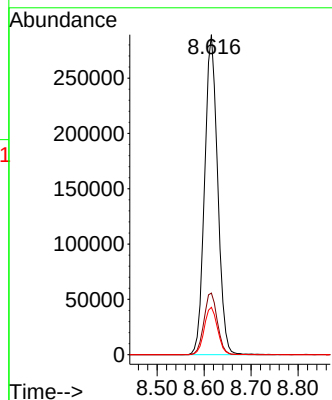
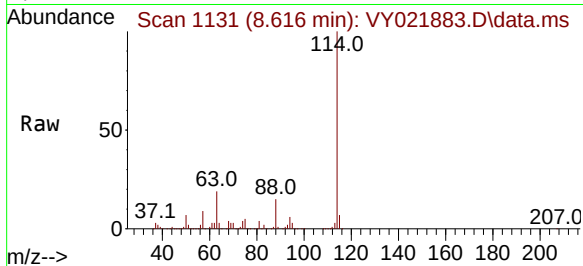




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021883.D
 Acq: 15 Apr 2025 09:37

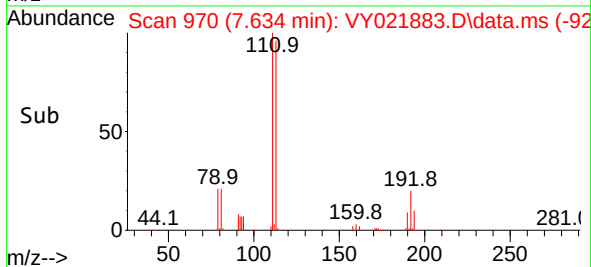
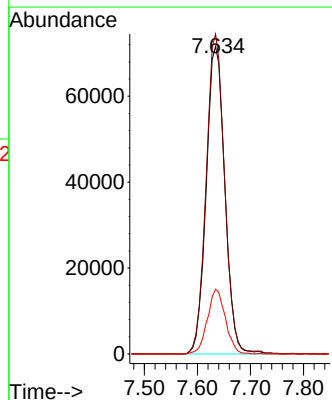
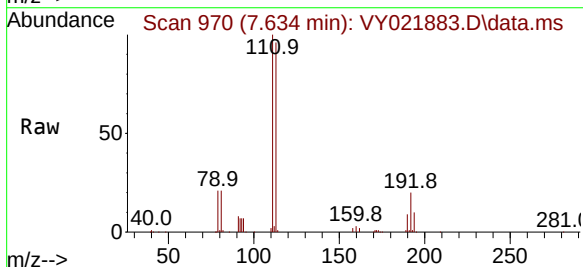
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBL01

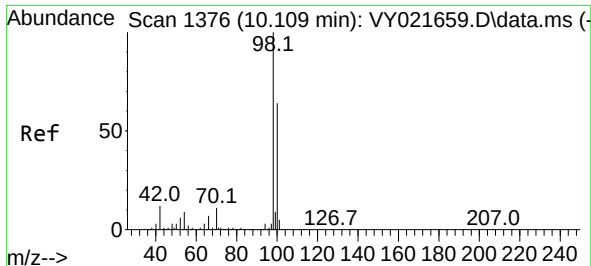
Tgt Ion:114 Resp: 553930
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.2
 88 14.8 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 48.567 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY021883.D
 Acq: 15 Apr 2025 09:37

Tgt Ion:113 Resp: 174513
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 20.4 16.2 24.4

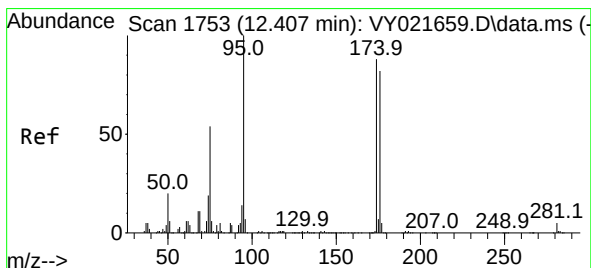
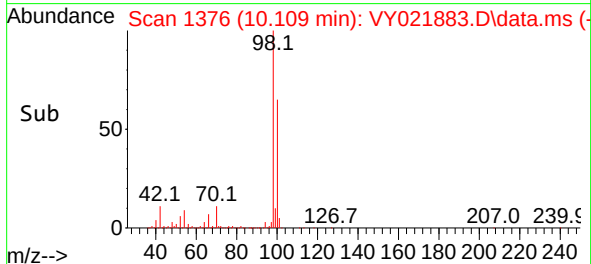
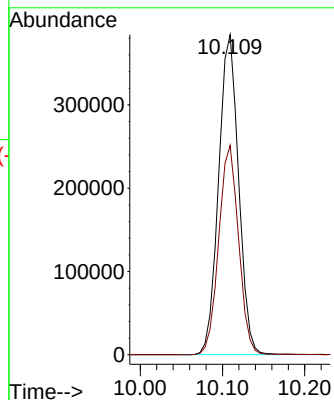
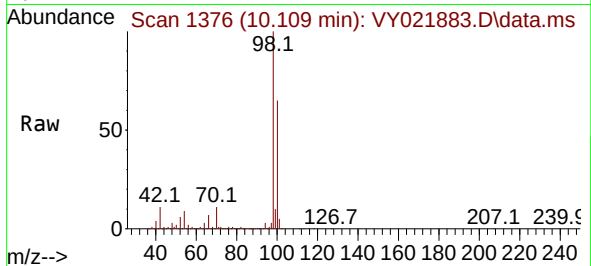




#50
Toluene-d8
Concen: 47.533 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

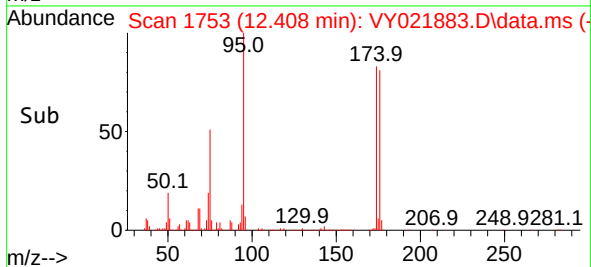
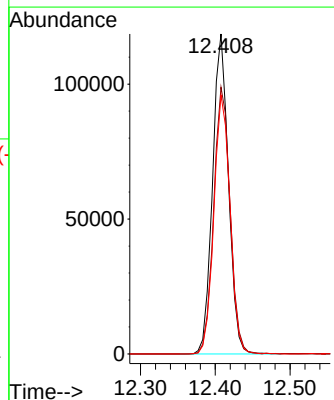
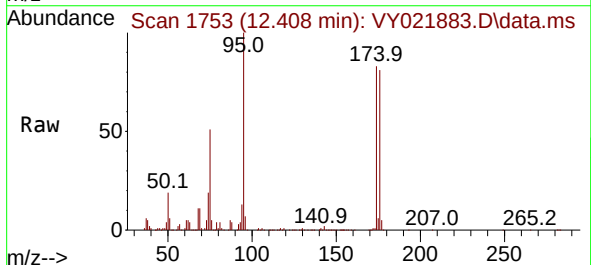
Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBL01

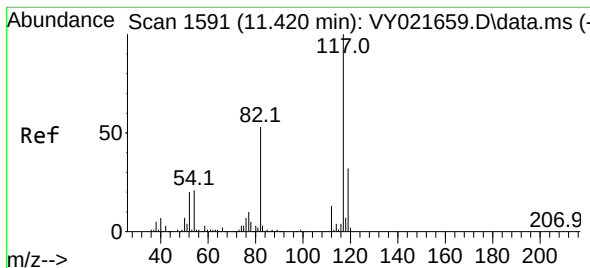
Tgt Ion: 98 Resp: 649771
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.915 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021883.D
Acq: 15 Apr 2025 09:37

Tgt Ion: 95 Resp: 175312
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.8
176 82.3 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: VY021883.D

Acq: 15 Apr 2025 09:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0415SBL01

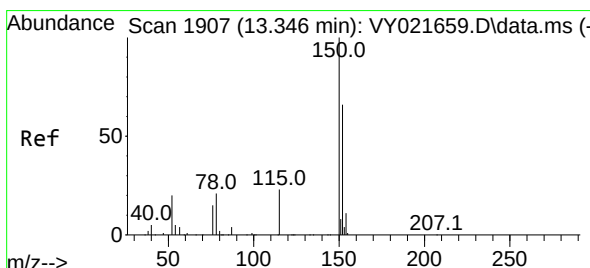
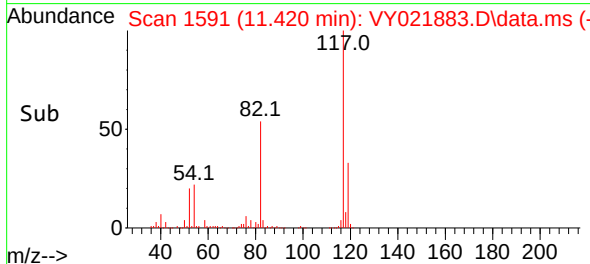
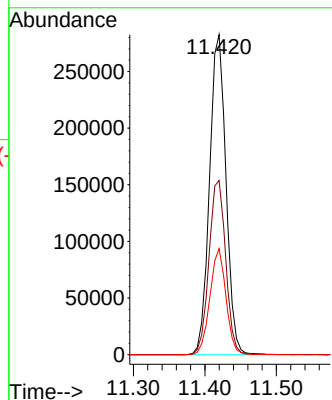
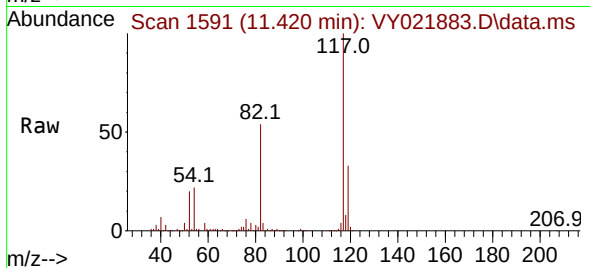
Tgt Ion:117 Resp: 451920

Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

119 33.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021883.D

Acq: 15 Apr 2025 09:37

Tgt Ion:152 Resp: 163838

Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 156.5 0.0 348.4

