

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021745.D
 Acq On : 01 Apr 2025 16:38
 Operator : SY/MD
 Sample : Q1692-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-04012025

Quant Time: Apr 02 03:24:49 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	131556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	215527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	171094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	56723	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	59104	41.466	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.940%
35) Dibromofluoromethane	7.634	113	72487	51.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.700%
50) Toluene-d8	10.109	98	252486	47.471	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.940%
62) 4-Bromofluorobenzene	12.408	95	61851	34.380	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.760%

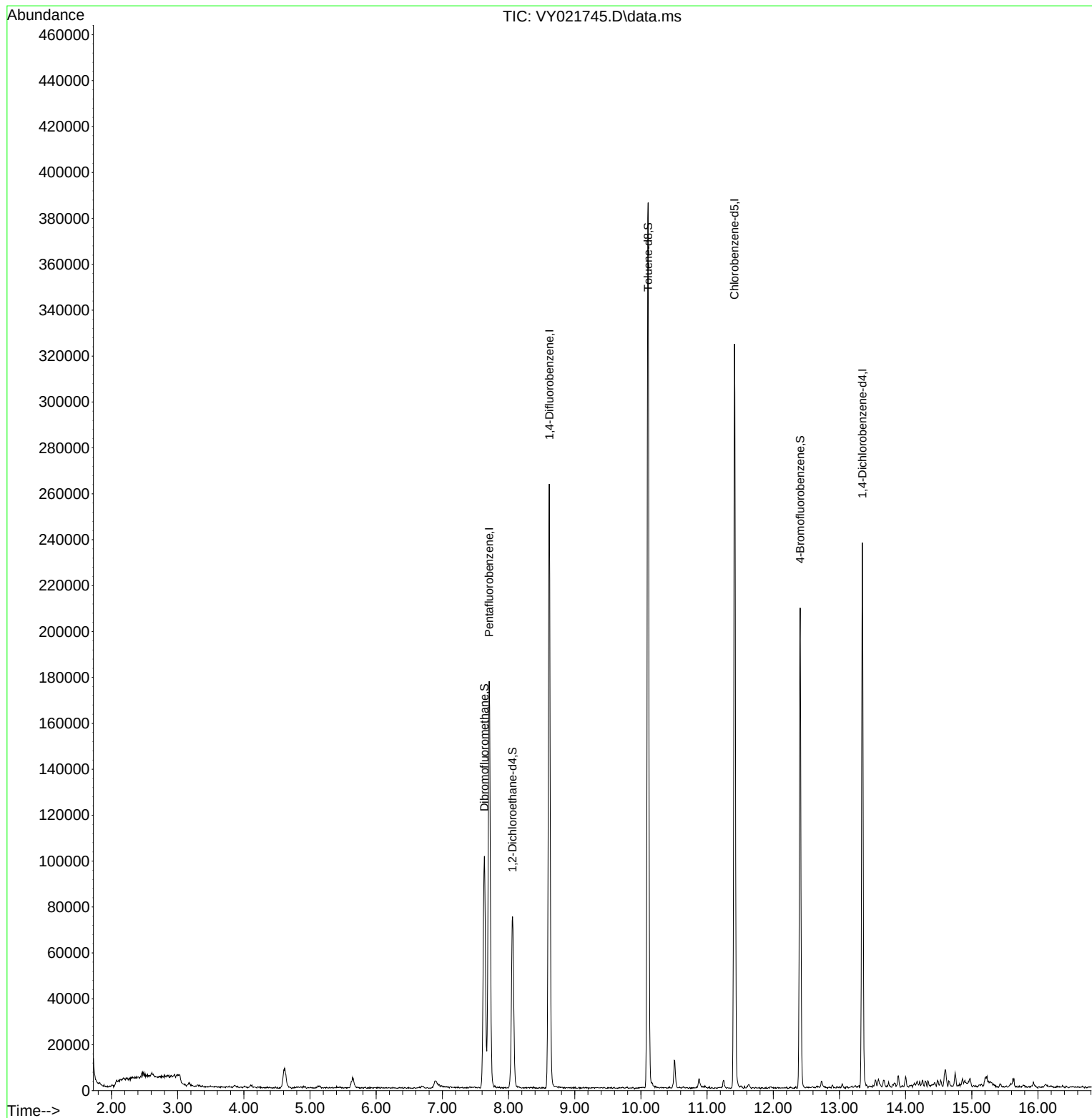
Target Compounds	Qvalue

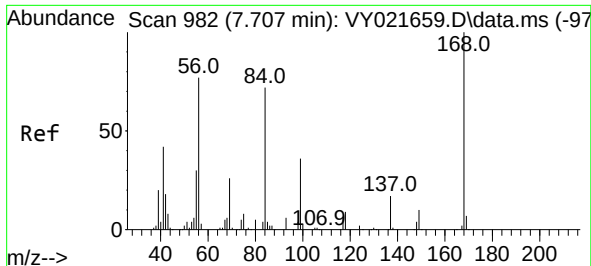
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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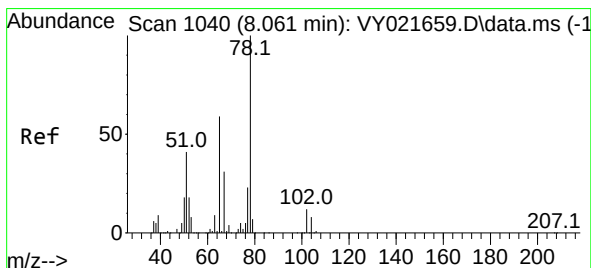
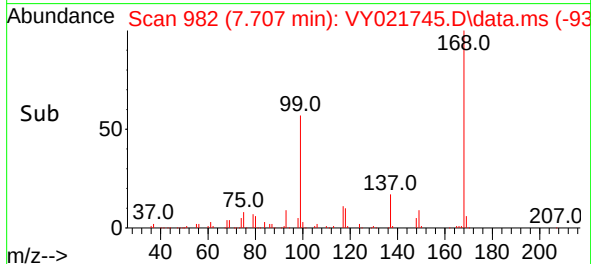
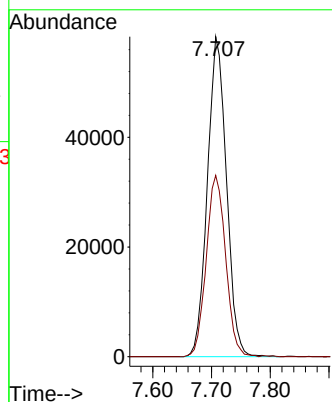
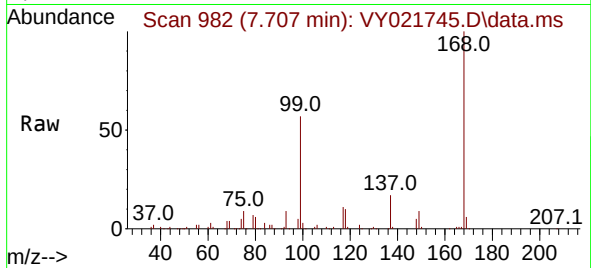




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021745.D
Acq: 01 Apr 2025 16:38

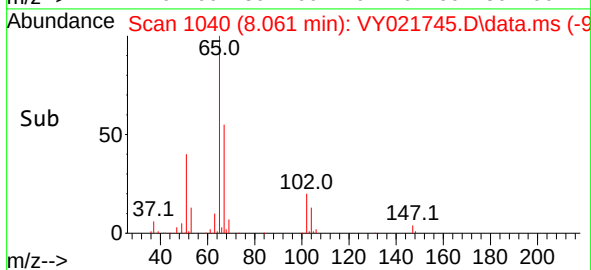
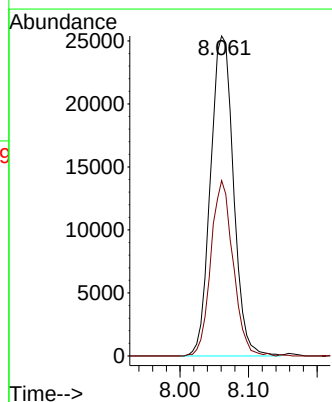
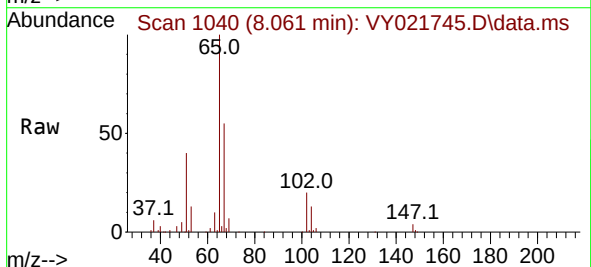
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-04012025

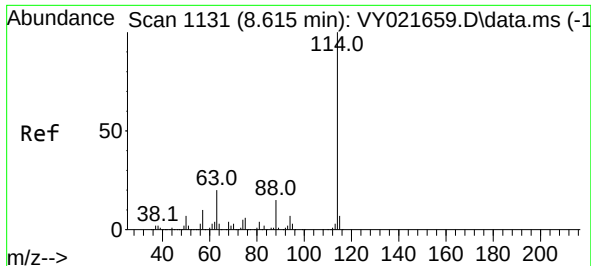
Tgt Ion:168 Resp: 131556
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 41.466 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021745.D
Acq: 01 Apr 2025 16:38

Tgt Ion: 65 Resp: 59104
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6

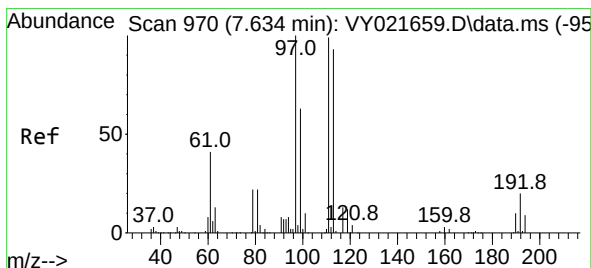
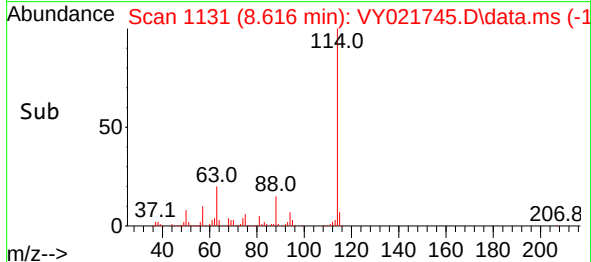
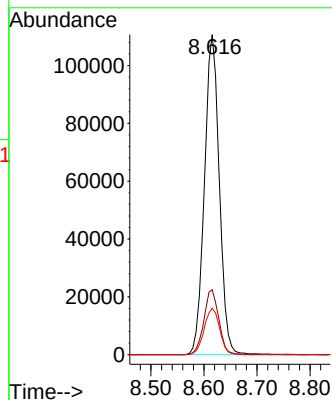
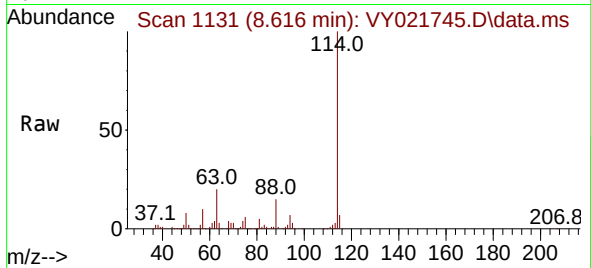




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021745.D
 Acq: 01 Apr 2025 16:38

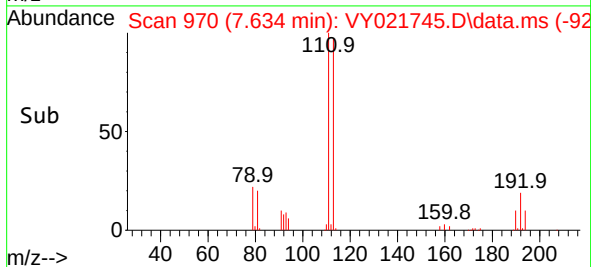
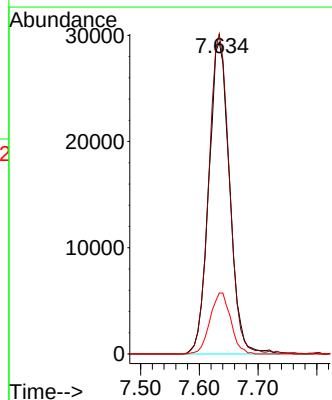
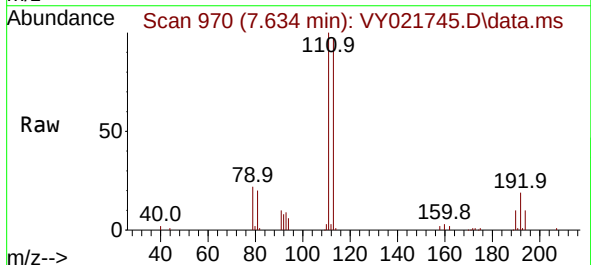
Instrument :
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 ClientSampleId :
 NB-08-04012025

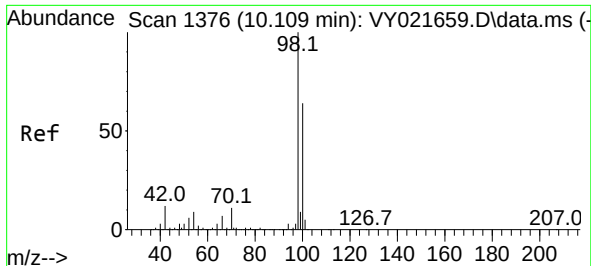
Tgt Ion:114 Resp: 215527
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 14.5 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 51.847 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY021745.D
 Acq: 01 Apr 2025 16:38

Tgt Ion:113 Resp: 72487
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.6 123.8
 192 19.3 16.2 24.4

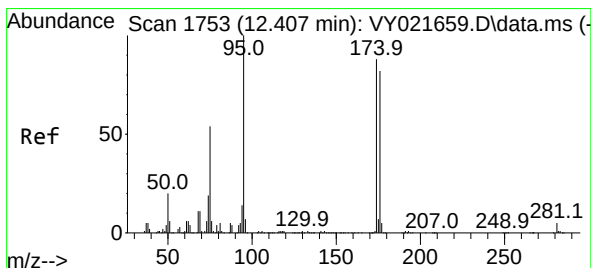
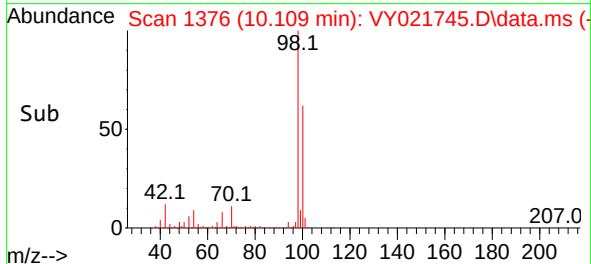
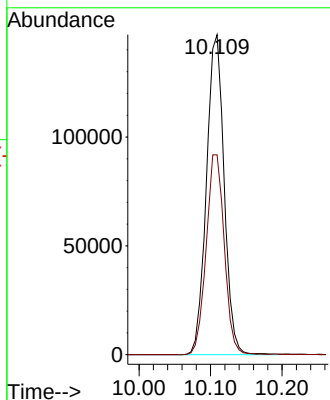
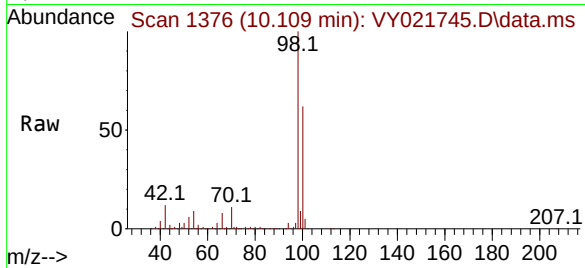




#50
Toluene-d8
Concen: 47.471 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021745.D
Acq: 01 Apr 2025 16:38

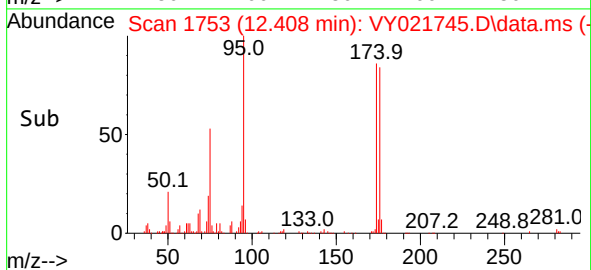
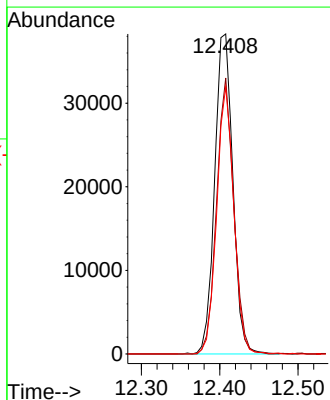
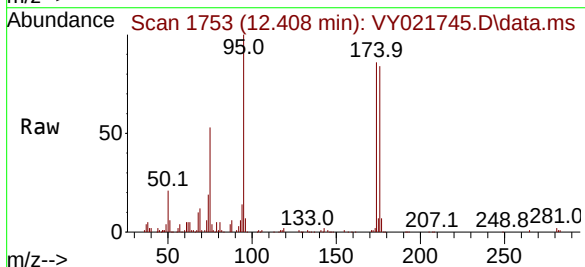
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-04012025

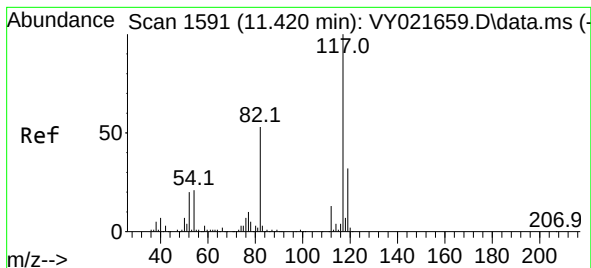
Tgt Ion: 98 Resp: 252486
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 34.380 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021745.D
Acq: 01 Apr 2025 16:38

Tgt Ion: 95 Resp: 61851
Ion Ratio Lower Upper
95 100
174 81.3 0.0 170.8
176 78.8 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021745.D

Acq: 01 Apr 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-04012025

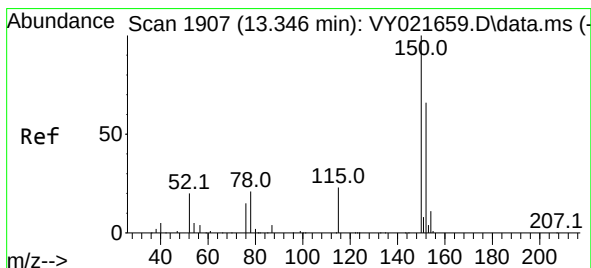
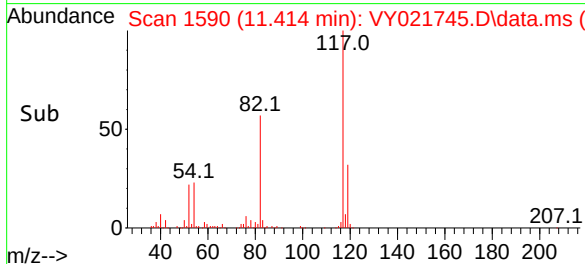
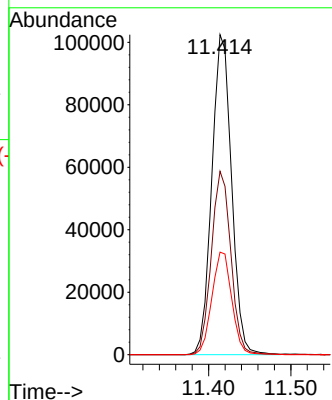
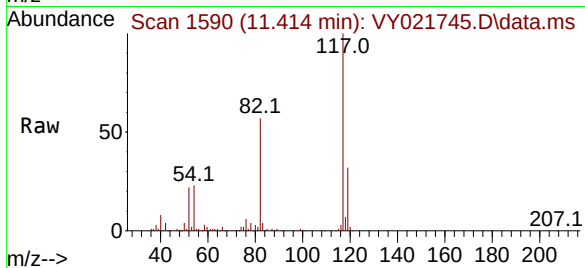
Tgt Ion:117 Resp: 171094

Ion Ratio Lower Upper

117 100

82 57.3 42.8 64.2

119 32.0 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: VY021745.D

Acq: 01 Apr 2025 16:38

Tgt Ion:152 Resp: 56723

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 157.2 0.0 348.4

