

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023020.D
 Acq On : 21 Jul 2025 12:39
 Operator : SY/MD
 Sample : Q2639-07
 Misc : 4.24g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-41-071725

Quant Time: Jul 22 04:50:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	312888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	608344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	609203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	265662	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186874	58.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.000%
35) Dibromofluoromethane	7.634	113	190768	49.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.880%
50) Toluene-d8	10.103	98	745492	48.715	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.401	95	262966	54.589	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.180%

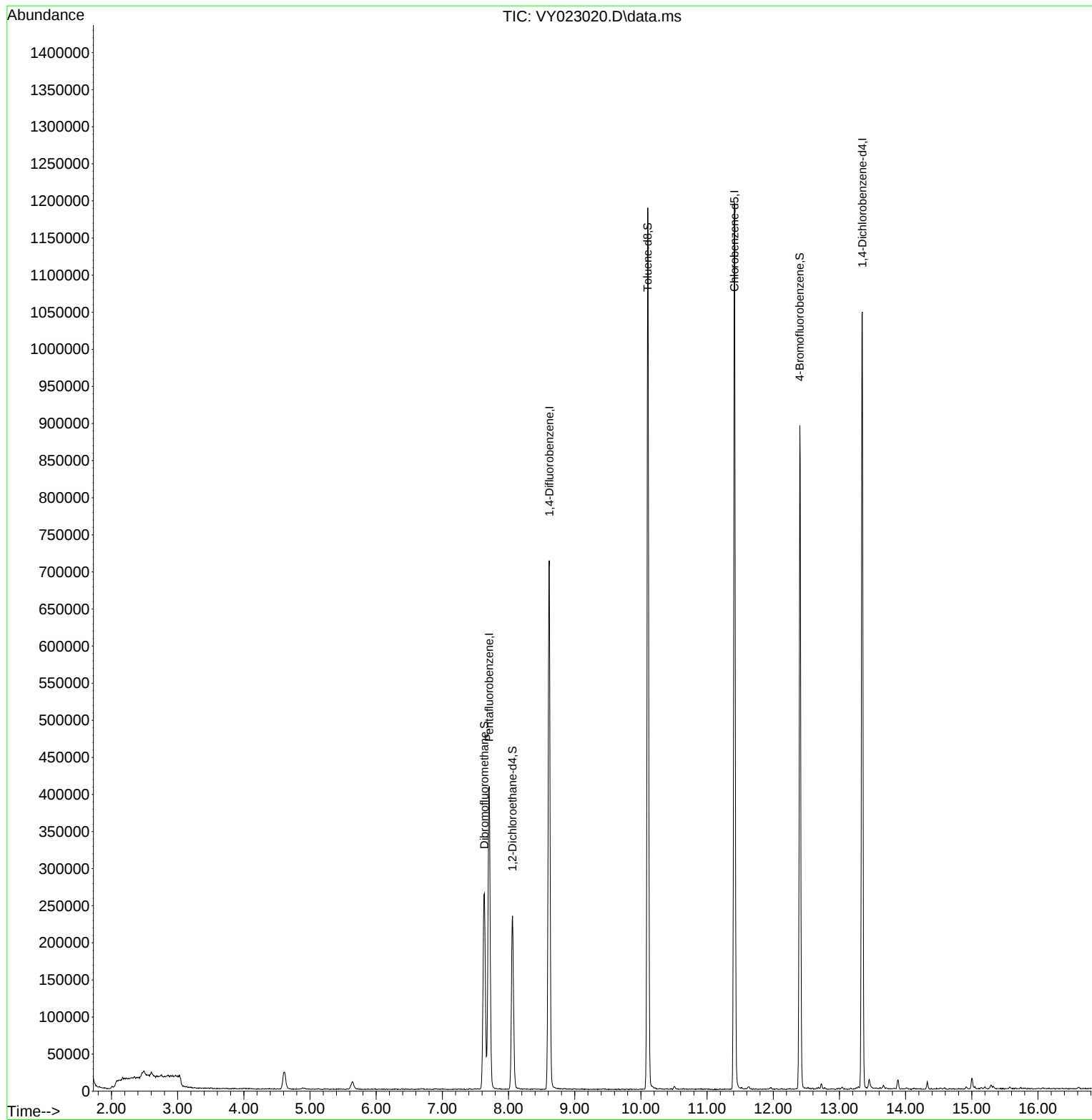
Target Compounds	Qvalue

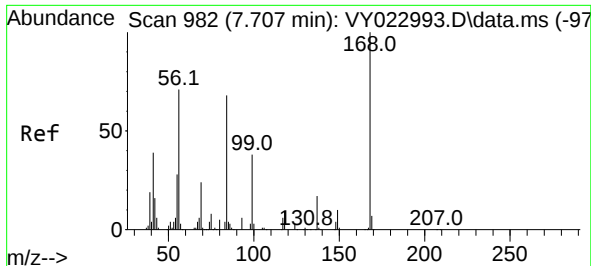
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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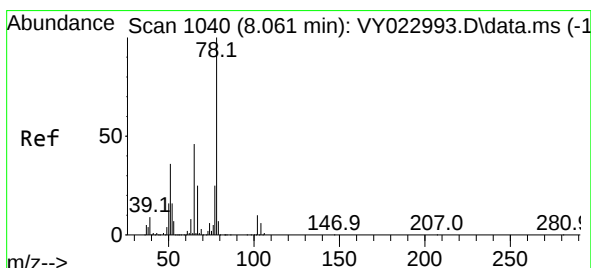
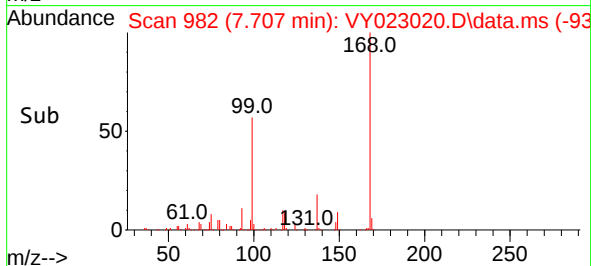
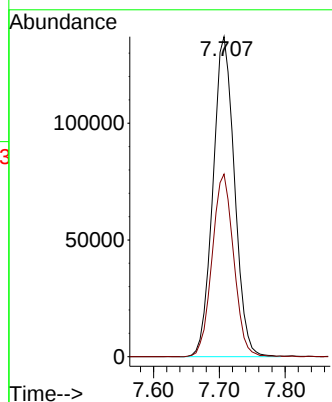
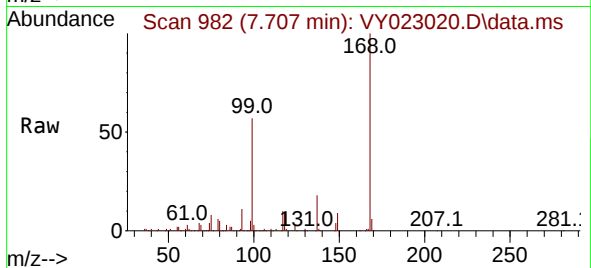




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

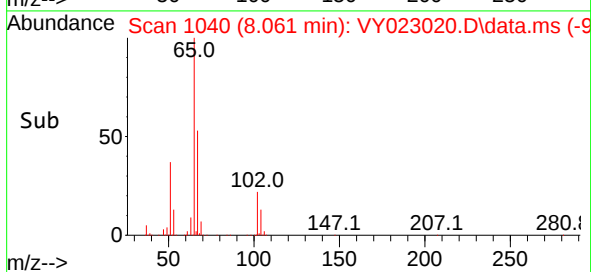
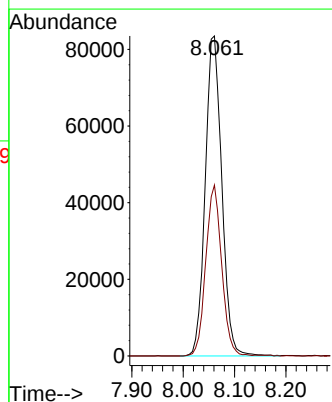
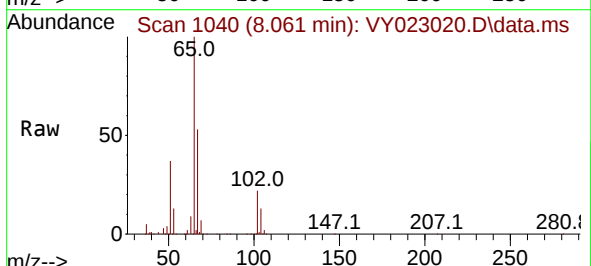
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

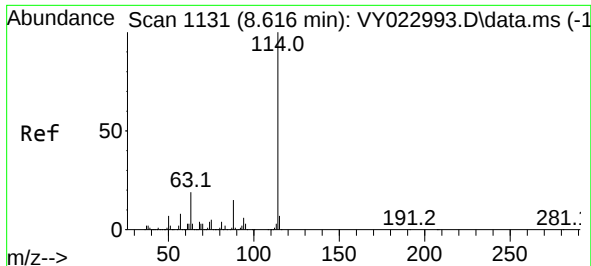
Tgt Ion:168 Resp: 312888
Ion Ratio Lower Upper
168 100
99 57.0 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 58.998 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion: 65 Resp: 186874
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023020.D

Acq: 21 Jul 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-41-071725

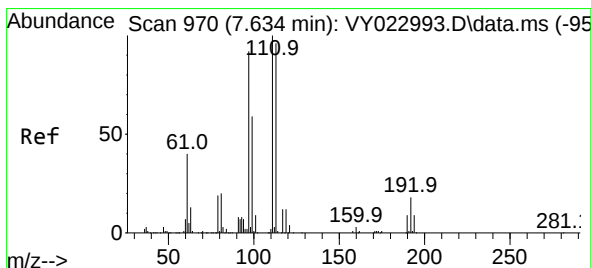
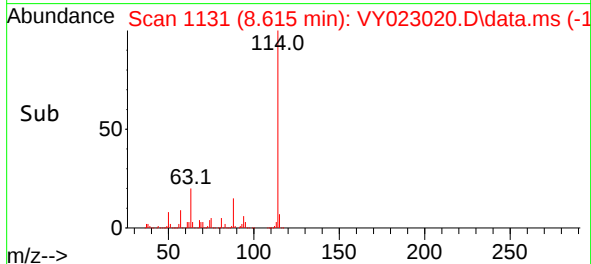
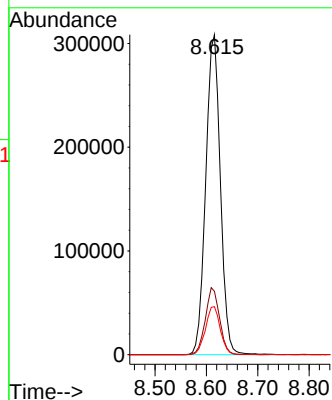
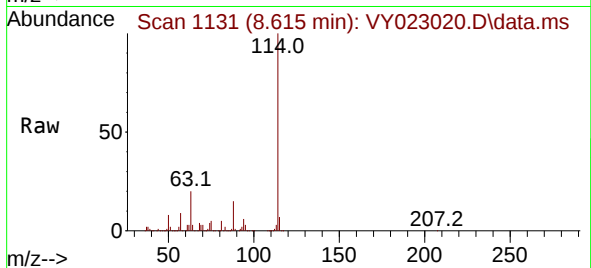
Tgt Ion:114 Resp: 608344

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 15.0 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.435 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023020.D

Acq: 21 Jul 2025 12:39

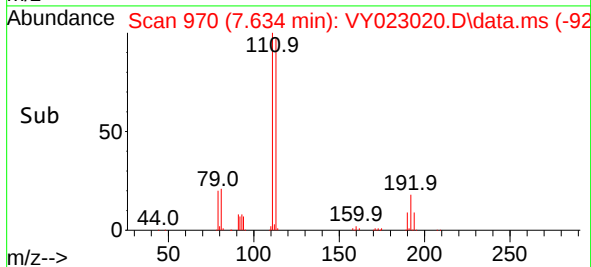
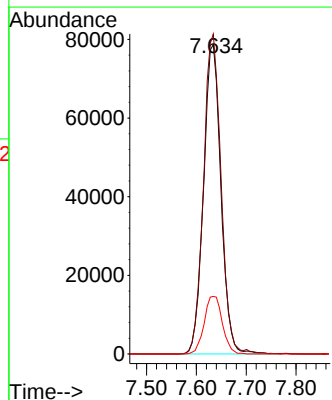
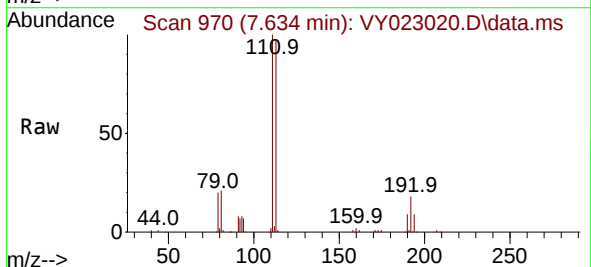
Tgt Ion:113 Resp: 190768

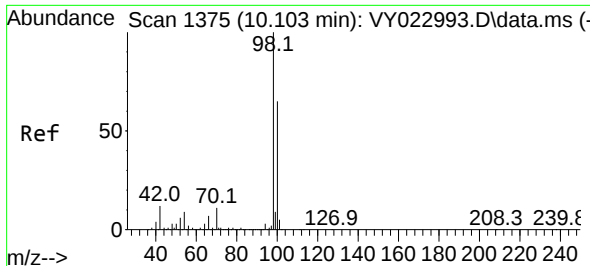
Ion Ratio Lower Upper

113 100

111 104.2 83.2 124.8

192 19.4 15.3 22.9

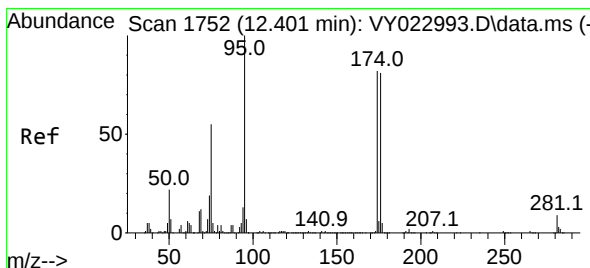
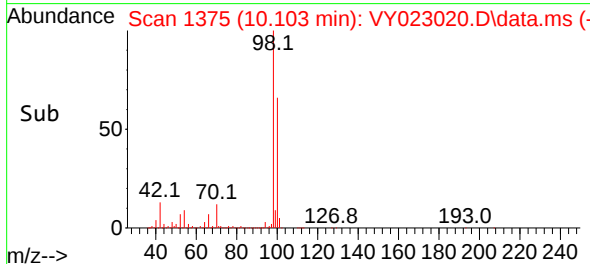
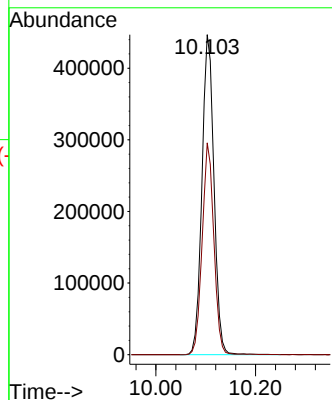
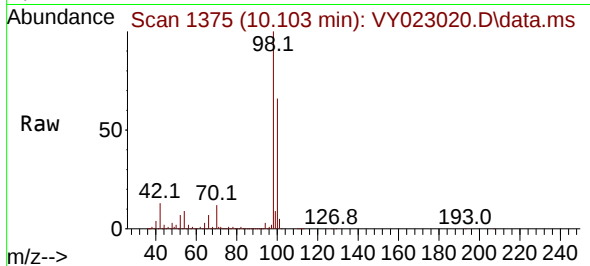




#50
Toluene-d8
Concen: 48.715 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

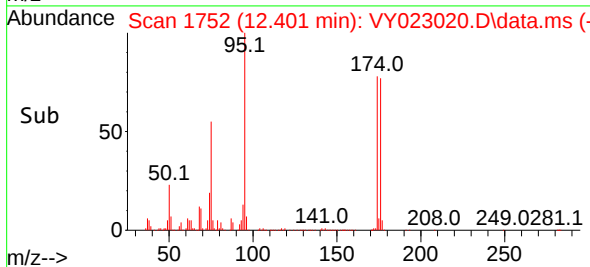
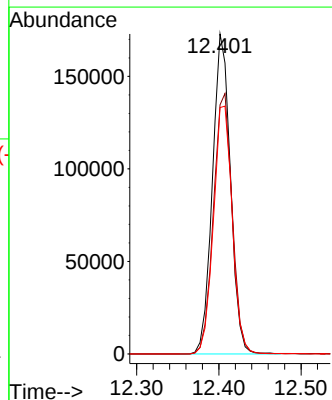
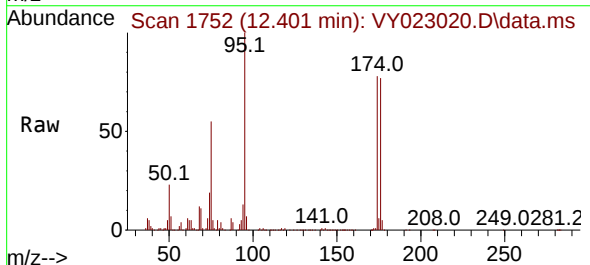
Instrument :
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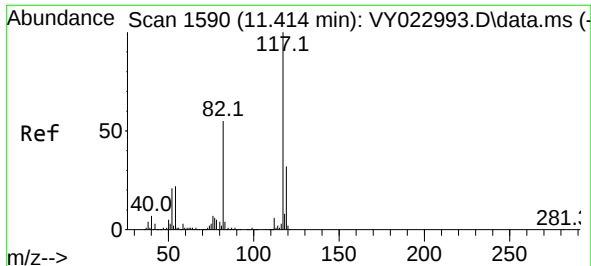
Tgt Ion: 98 Resp: 745492
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.589 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion: 95 Resp: 262966
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.8
176 81.0 0.0 163.6

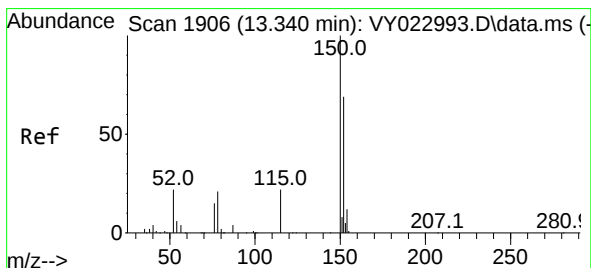
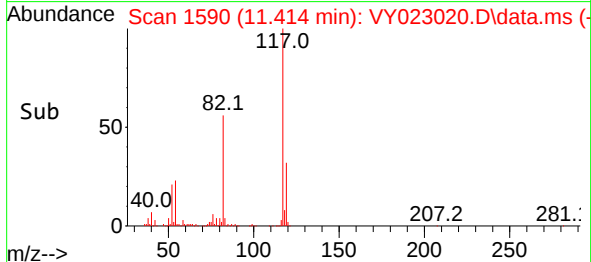
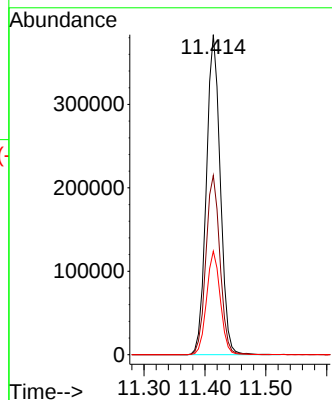
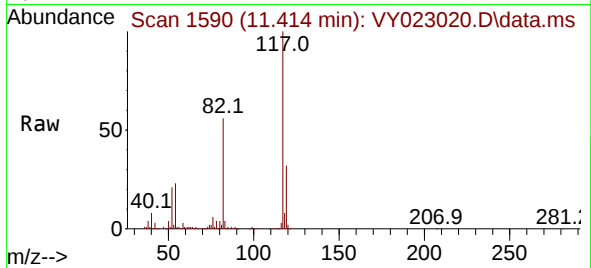




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

Tgt Ion:117 Resp: 609203
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 32.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023020.D
Acq: 21 Jul 2025 12:39

Tgt Ion:152 Resp: 265662
Ion Ratio Lower Upper
152 100
115 57.5 29.4 88.2
150 158.2 0.0 350.0

