

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021243.D
 Acq On : 19 Feb 2025 17:45
 Operator : SY/MD
 Sample : Q1382-03
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-02-021725

Quant Time: Feb 20 00:21:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	210258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	406195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	144547	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	123068	57.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.260%
35) Dibromofluoromethane	7.640	113	130706	50.210	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.420%
50) Toluene-d8	10.109	98	491037	49.547	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.414	95	157261	48.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.140%

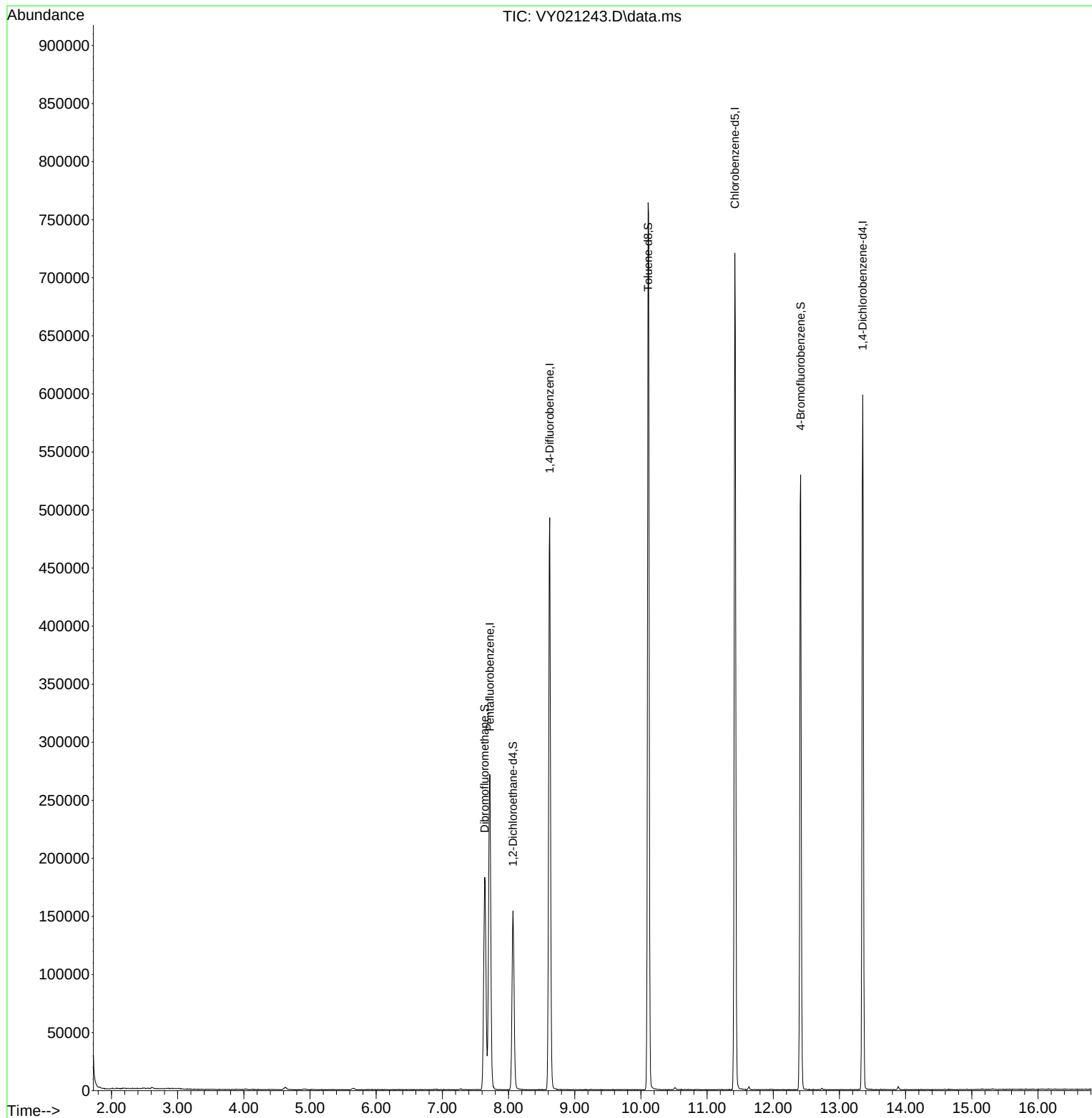
Target Compounds	Qvalue

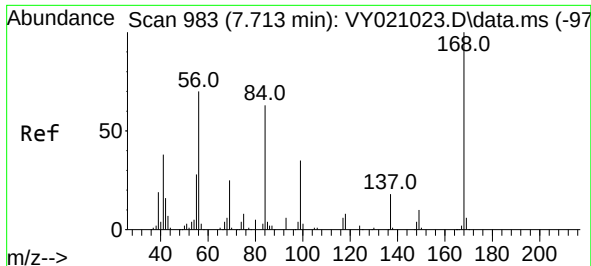
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
Data File : VY021243.D
Acq On : 19 Feb 2025 17:45
Operator : SY/MD
Sample : Q1382-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-02-021725

Quant Time: Feb 20 00:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

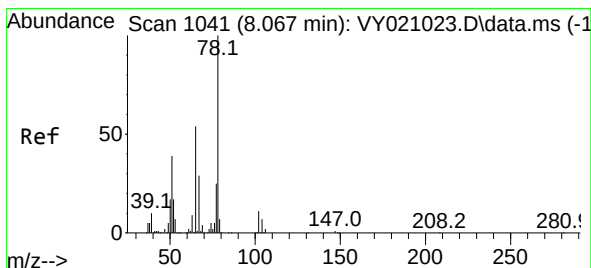
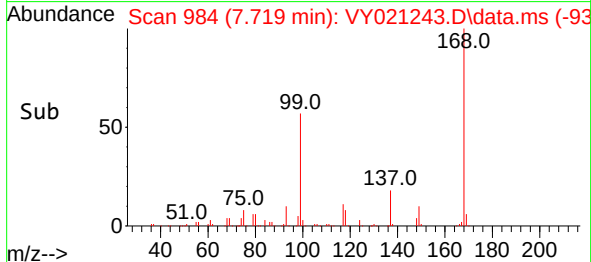
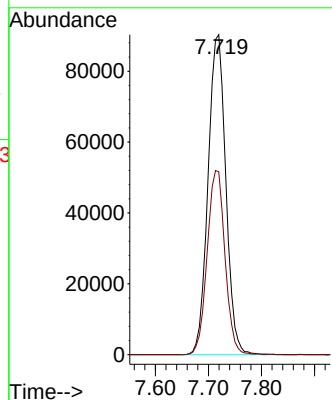
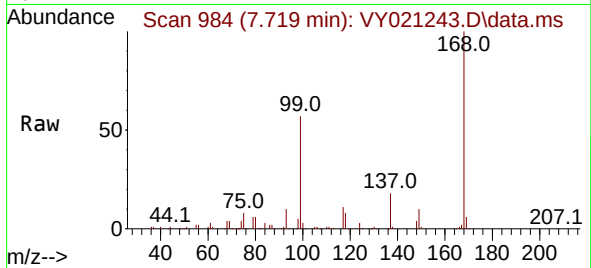




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

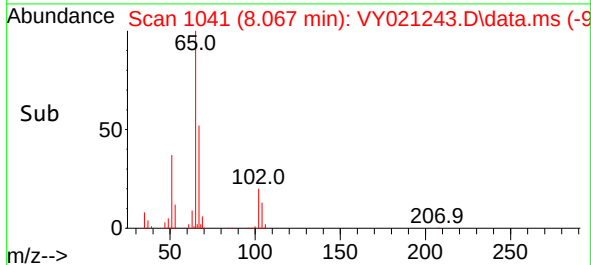
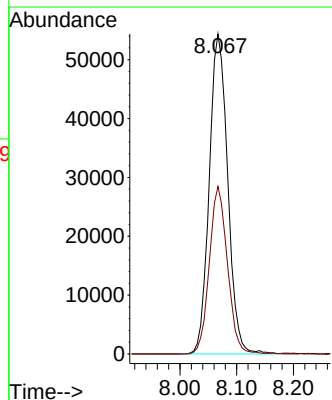
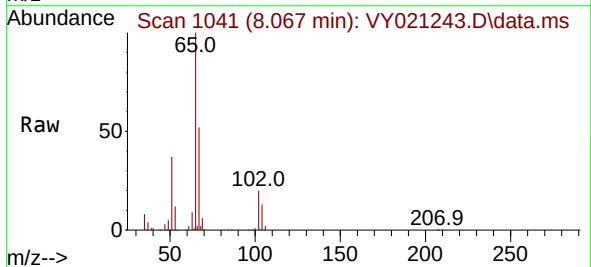
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-02-021725

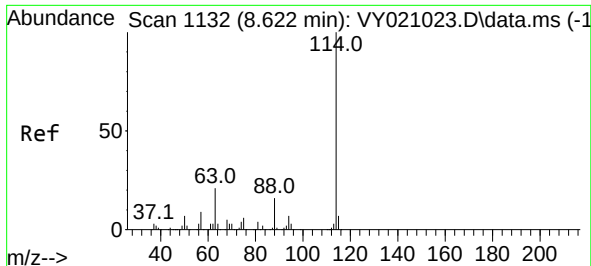
Tgt Ion:168 Resp: 210258
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 57.128 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 65 Resp: 123068
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021243.D

Acq: 19 Feb 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-02-021725

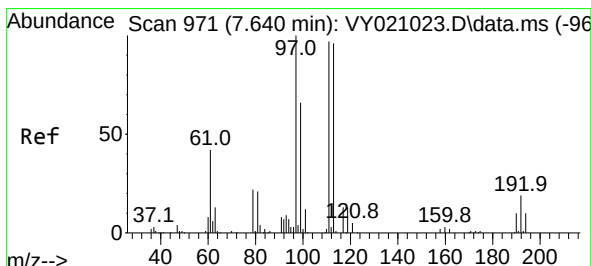
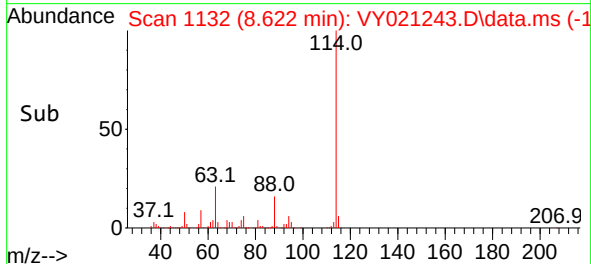
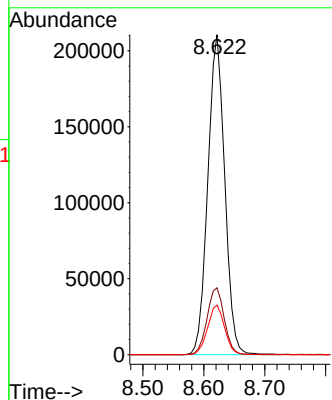
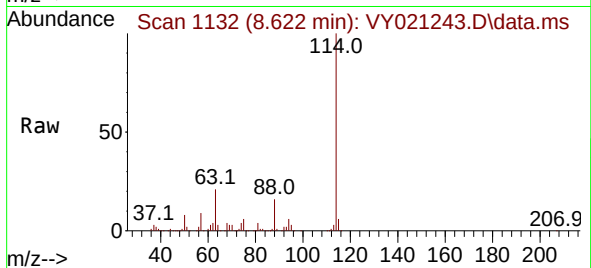
Tgt Ion:114 Resp: 406195

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.210 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021243.D

Acq: 19 Feb 2025 17:45

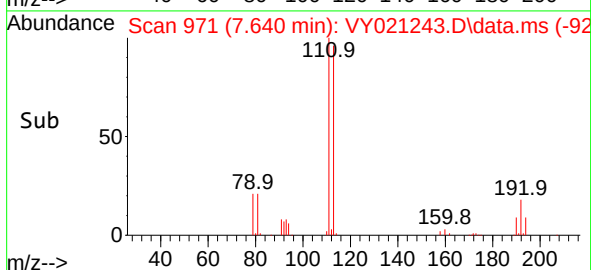
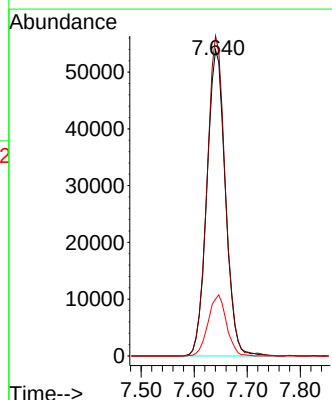
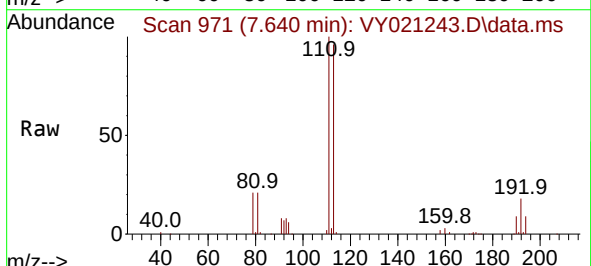
Tgt Ion:113 Resp: 130706

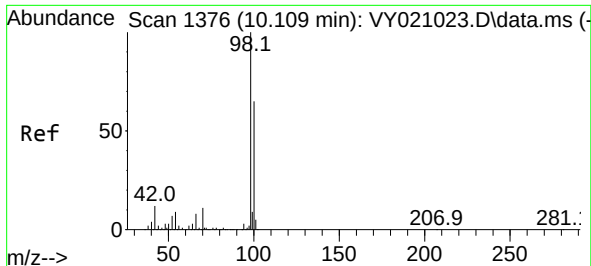
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 19.8 14.5 21.7

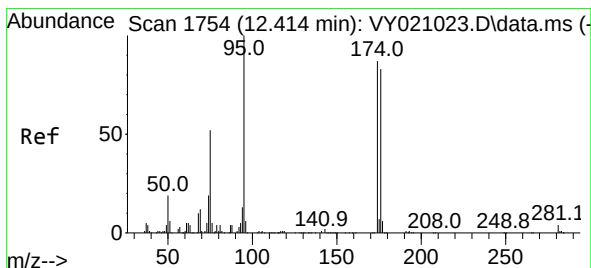
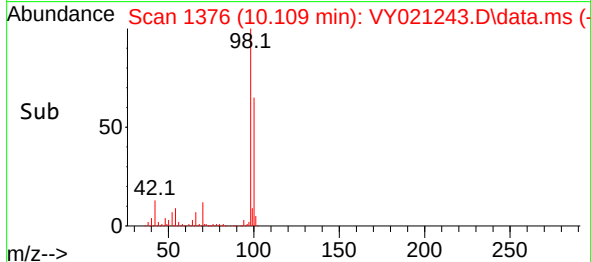
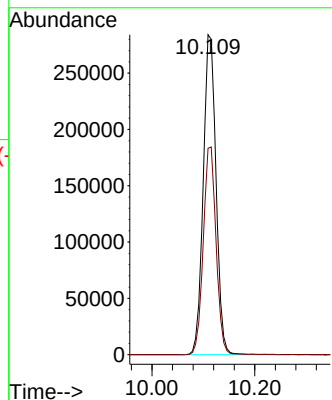
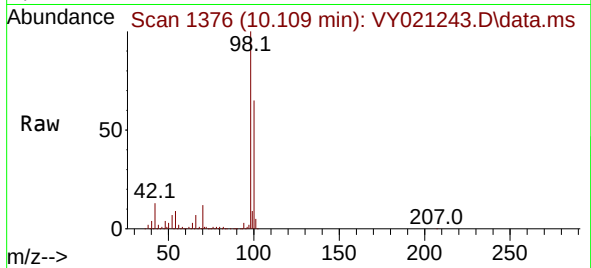




#50
Toluene-d8
Concen: 49.547 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

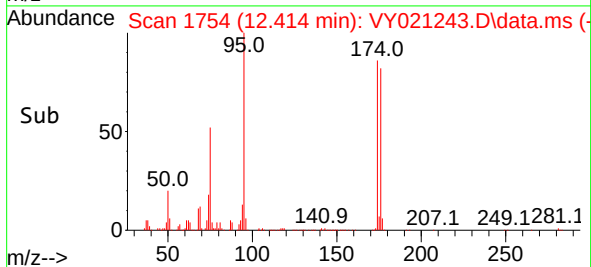
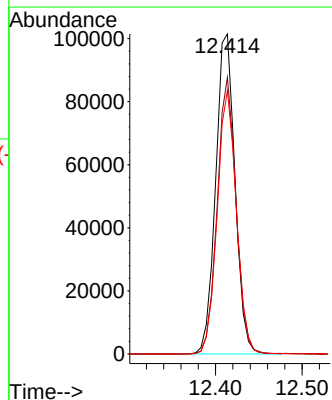
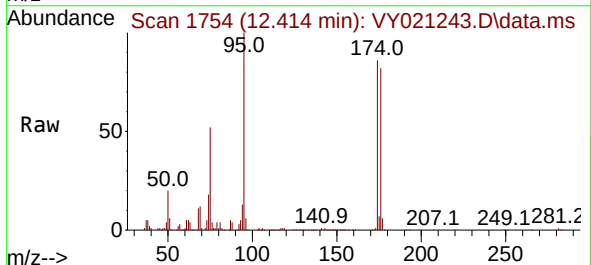
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-02-021725

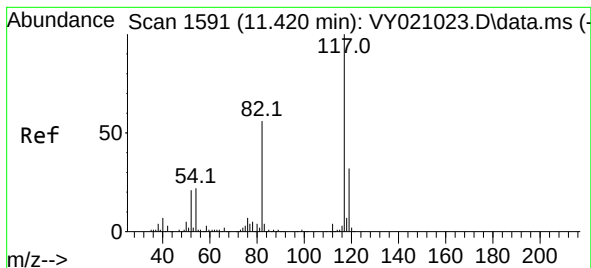
Tgt Ion: 98 Resp: 491037
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.572 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 95 Resp: 157261
Ion Ratio Lower Upper
95 100
174 84.5 0.0 160.0
176 81.3 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021243.D

Acq: 19 Feb 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-02-021725

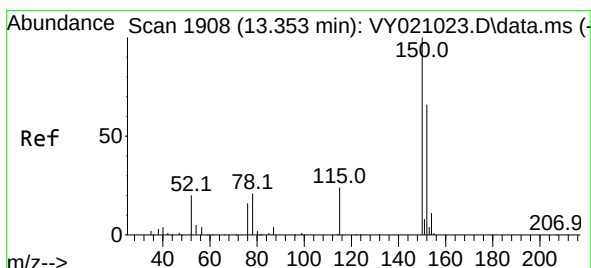
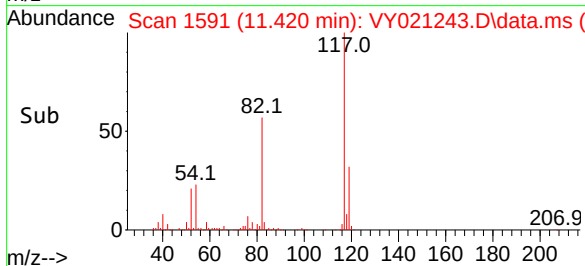
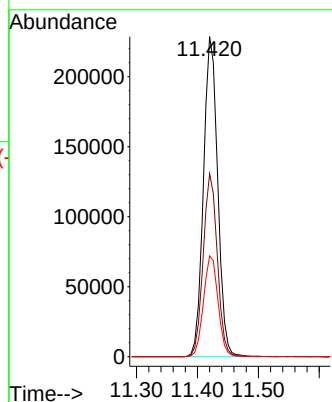
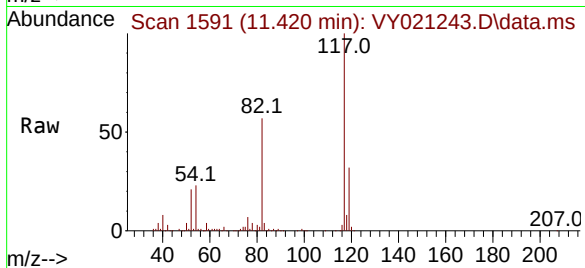
Tgt Ion:117 Resp: 371758

Ion Ratio Lower Upper

117 100

82 57.2 43.8 65.8

119 31.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021243.D

Acq: 19 Feb 2025 17:45

Tgt Ion:152 Resp: 144547

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 155.7 0.0 344.6

