

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021263.D
 Acq On : 20 Feb 2025 20:36
 Operator : SY/MD
 Sample : Q1382-09
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-05-021725

Quant Time: Feb 21 02:46:44 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)

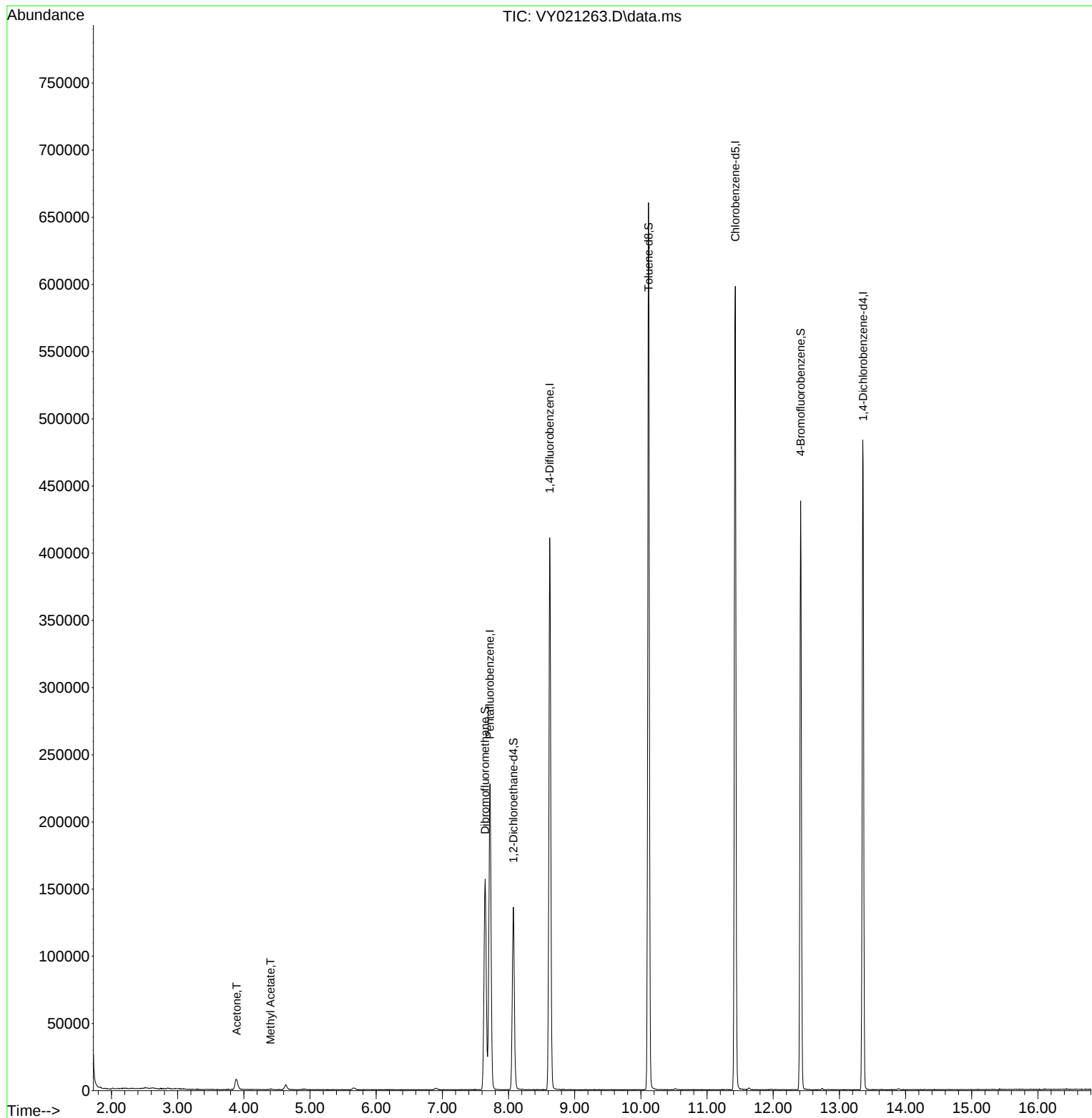
Internal Standards						
1) Pentafluorobenzene	7.719	168	169351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	335677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	305834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	120617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	107273	61.824	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.640%
35) Dibromofluoromethane	7.646	113	109013	50.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.115	98	409499	50.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.000%
62) 4-Bromofluorobenzene	12.414	95	129071	48.240	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.480%
Target Compounds						
16) Acetone	3.891	43	15444	57.075	ug/l #	84
18) Methyl Acetate	4.403	43	1138	1.198	ug/l #	73

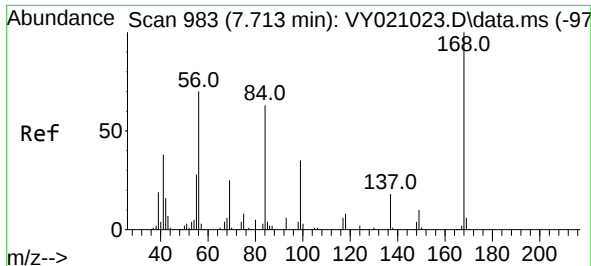
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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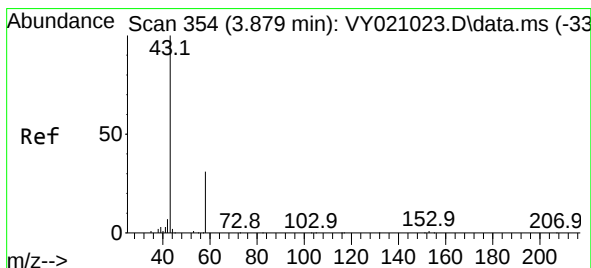
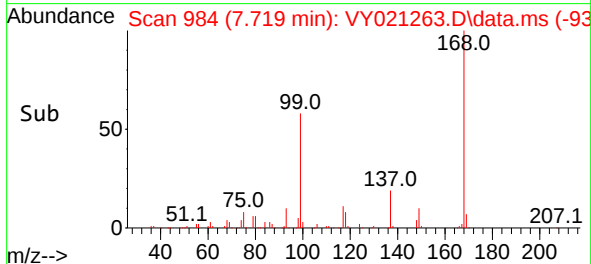
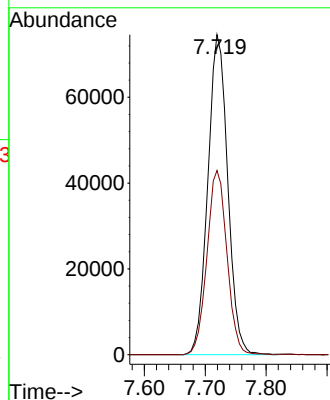
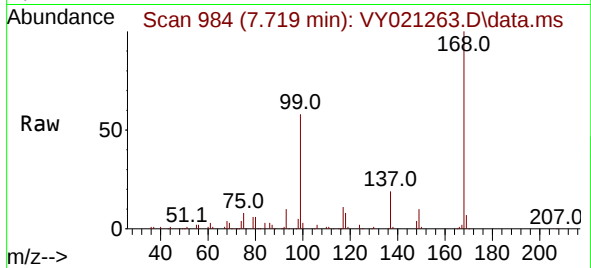




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021263.D
Acq: 20 Feb 2025 20:36

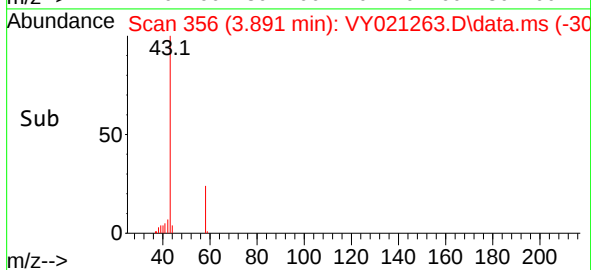
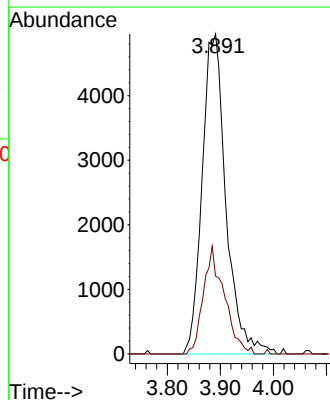
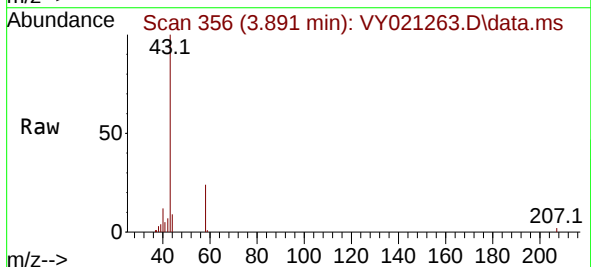
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

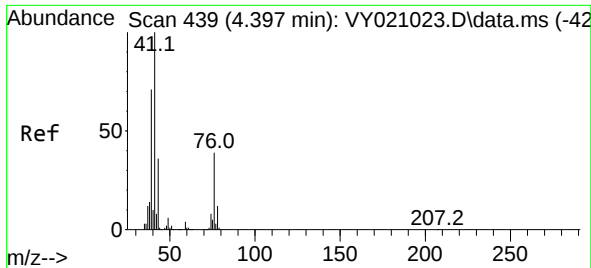
Tgt Ion:168 Resp: 169351
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4



#16
Acetone
Concen: 57.075 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021263.D
Acq: 20 Feb 2025 20:36

Tgt Ion: 43 Resp: 15444
Ion Ratio Lower Upper
43 100
58 24.3 26.6 39.8#





#18

Methyl Acetate

Concen: 1.198 ug/l

RT: 4.403 min Scan# 440

Delta R.T. 0.006 min

Lab File: VY021263.D

Acq: 20 Feb 2025 20:36

Instrument :

MSVOA_Y

ClientSampleId :

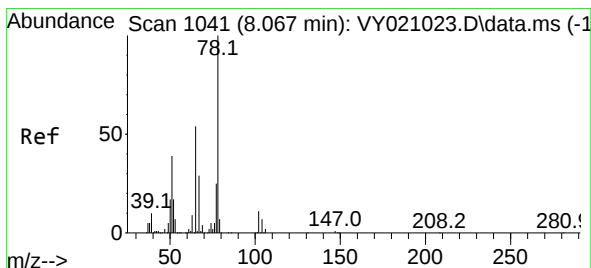
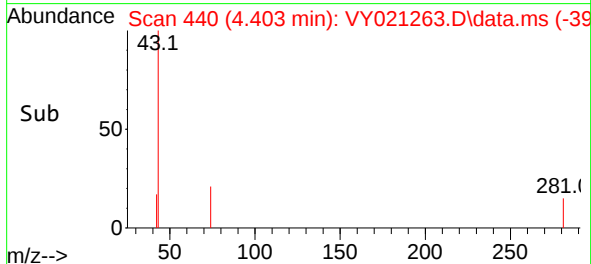
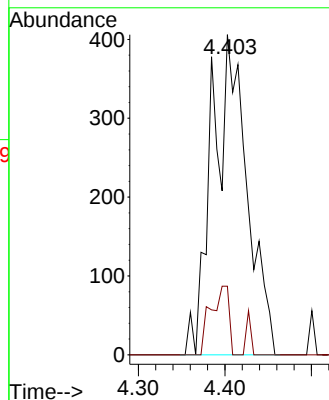
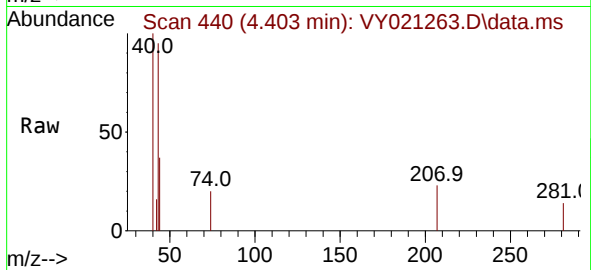
OU4-PCS-TC-05-021725

Tgt Ion: 43 Resp: 1138

Ion Ratio Lower Upper

43 100

74 11.2 19.8 29.6#



#33

1,2-Dichloroethane-d4

Concen: 61.824 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY021263.D

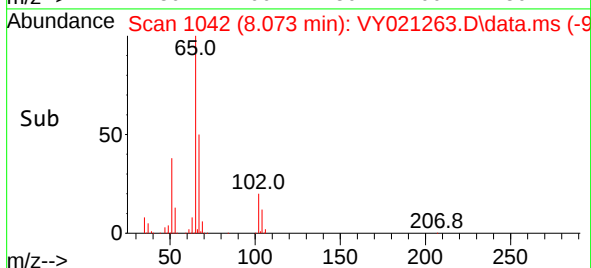
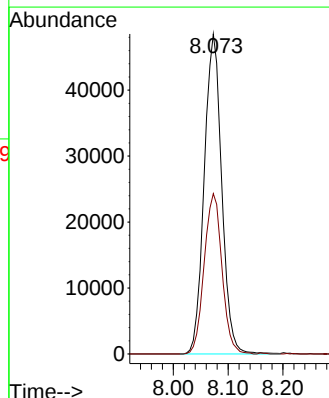
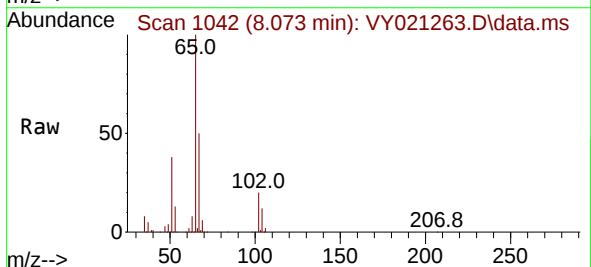
Acq: 20 Feb 2025 20:36

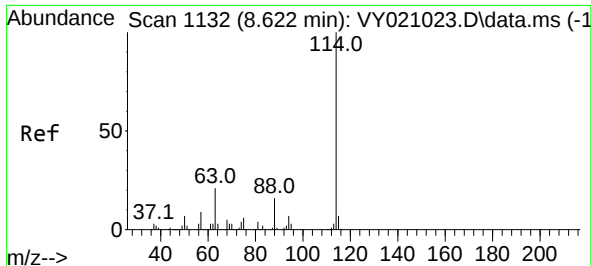
Tgt Ion: 65 Resp: 107273

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.0

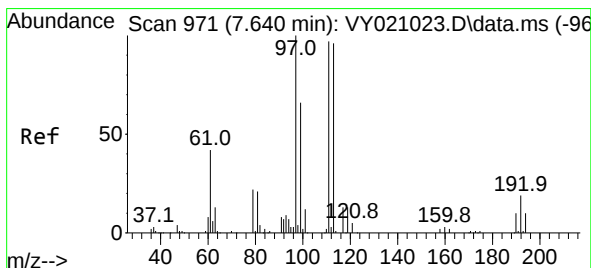
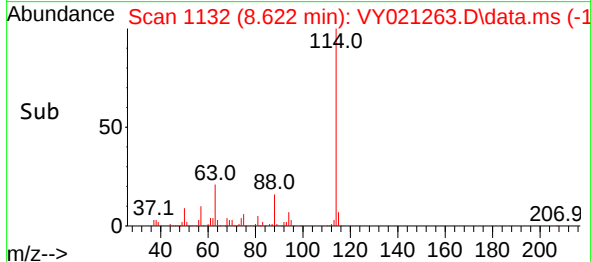
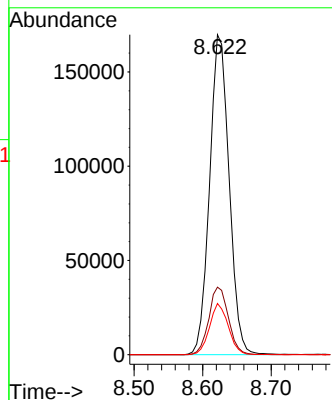
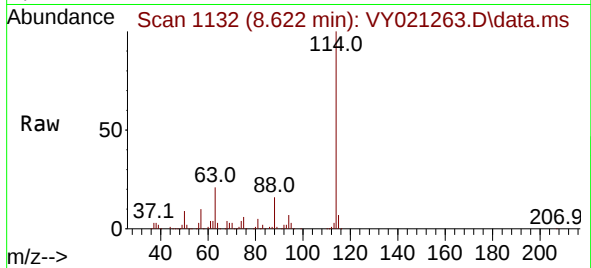




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021263.D
Acq: 20 Feb 2025 20:36

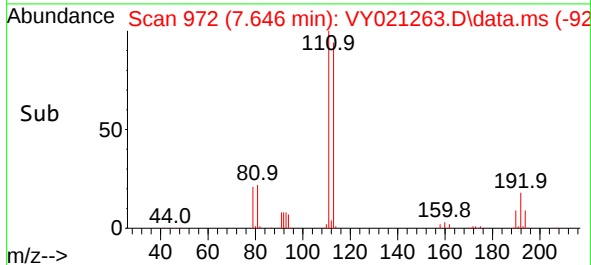
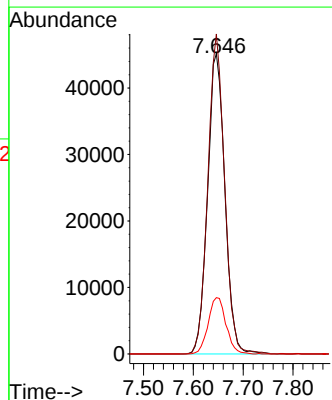
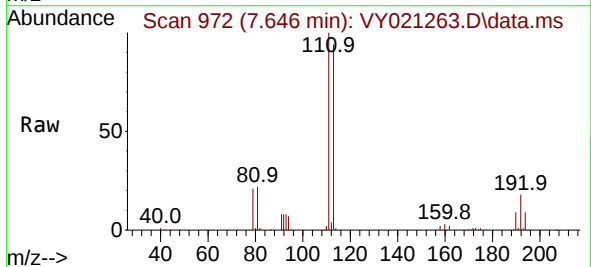
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

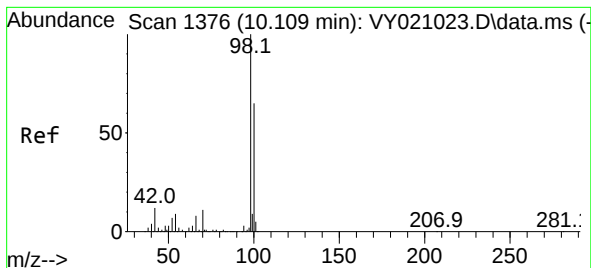
Tgt Ion:114 Resp: 335677
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 16.0 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.674 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY021263.D
Acq: 20 Feb 2025 20:36

Tgt Ion:113 Resp: 109013
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 19.3 14.5 21.7





#50

Toluene-d8

Concen: 50.000 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021263.D

Acq: 20 Feb 2025 20:36

Instrument :

MSVOA_Y

ClientSampleId :

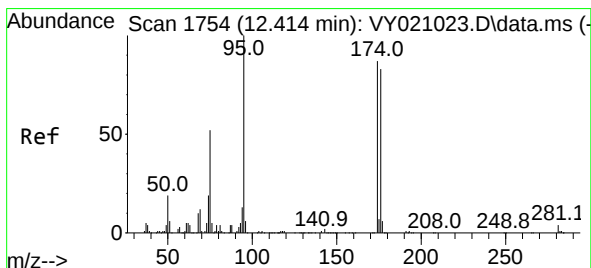
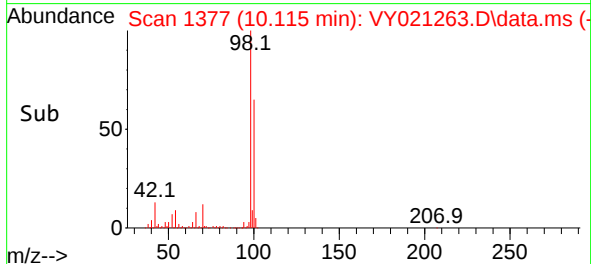
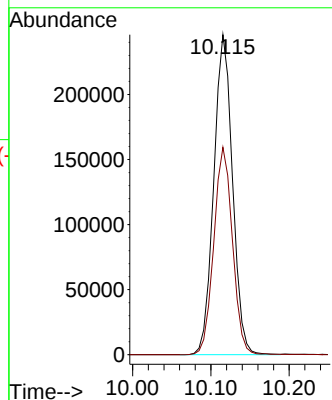
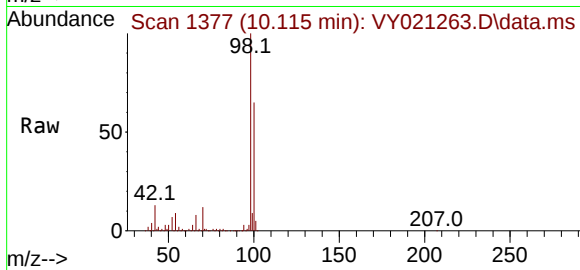
OU4-PCS-TC-05-021725

Tgt Ion: 98 Resp: 409499

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.240 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021263.D

Acq: 20 Feb 2025 20:36

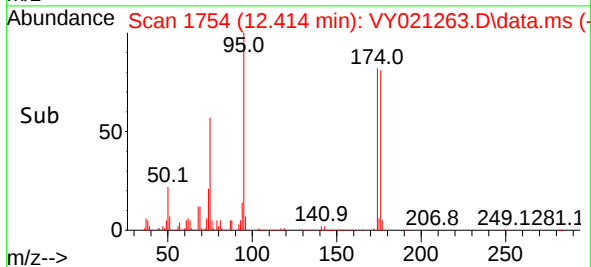
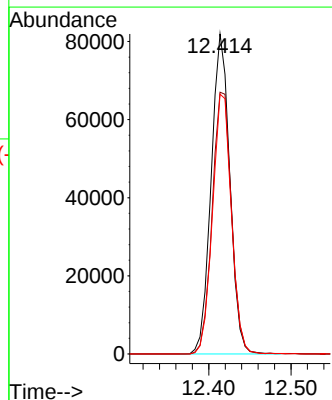
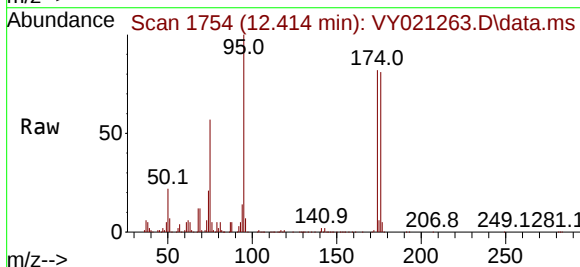
Tgt Ion: 95 Resp: 129071

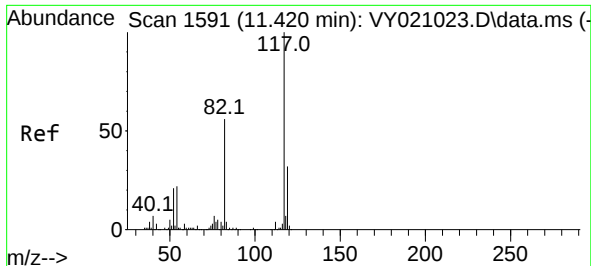
Ion Ratio Lower Upper

95 100

174 84.7 0.0 160.0

176 82.1 0.0 151.8

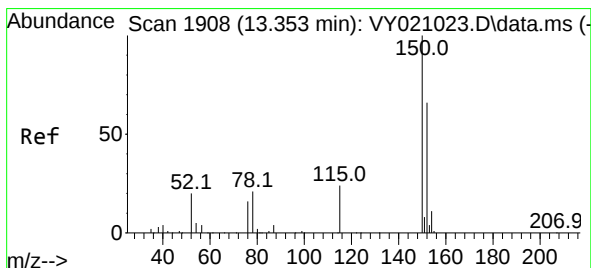
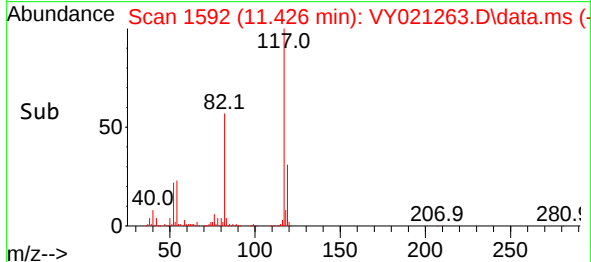
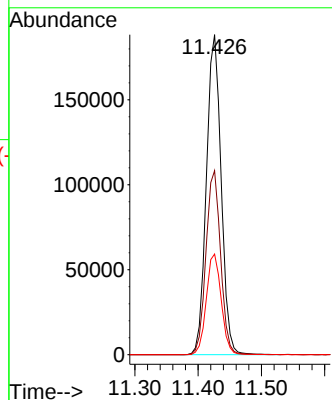
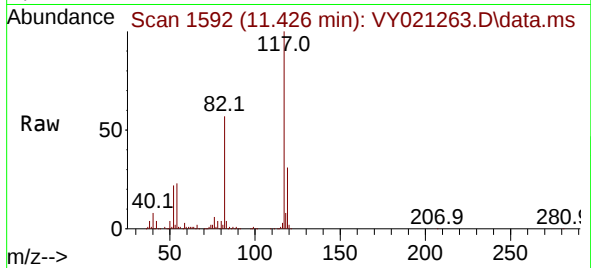




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021263.D
Acq: 20 Feb 2025 20:36

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

Tgt Ion:117 Resp: 305834
Ion Ratio Lower Upper
117 100
82 57.5 43.8 65.8
119 31.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021263.D
Acq: 20 Feb 2025 20:36

Tgt Ion:152 Resp: 120617
Ion Ratio Lower Upper
152 100
115 58.2 30.0 90.0
150 156.3 0.0 344.6

