

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021257.D
 Acq On : 20 Feb 2025 18:16
 Operator : SY/MD
 Sample : Q1383-13
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-17-021725

Quant Time: Feb 21 02:44:41 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)

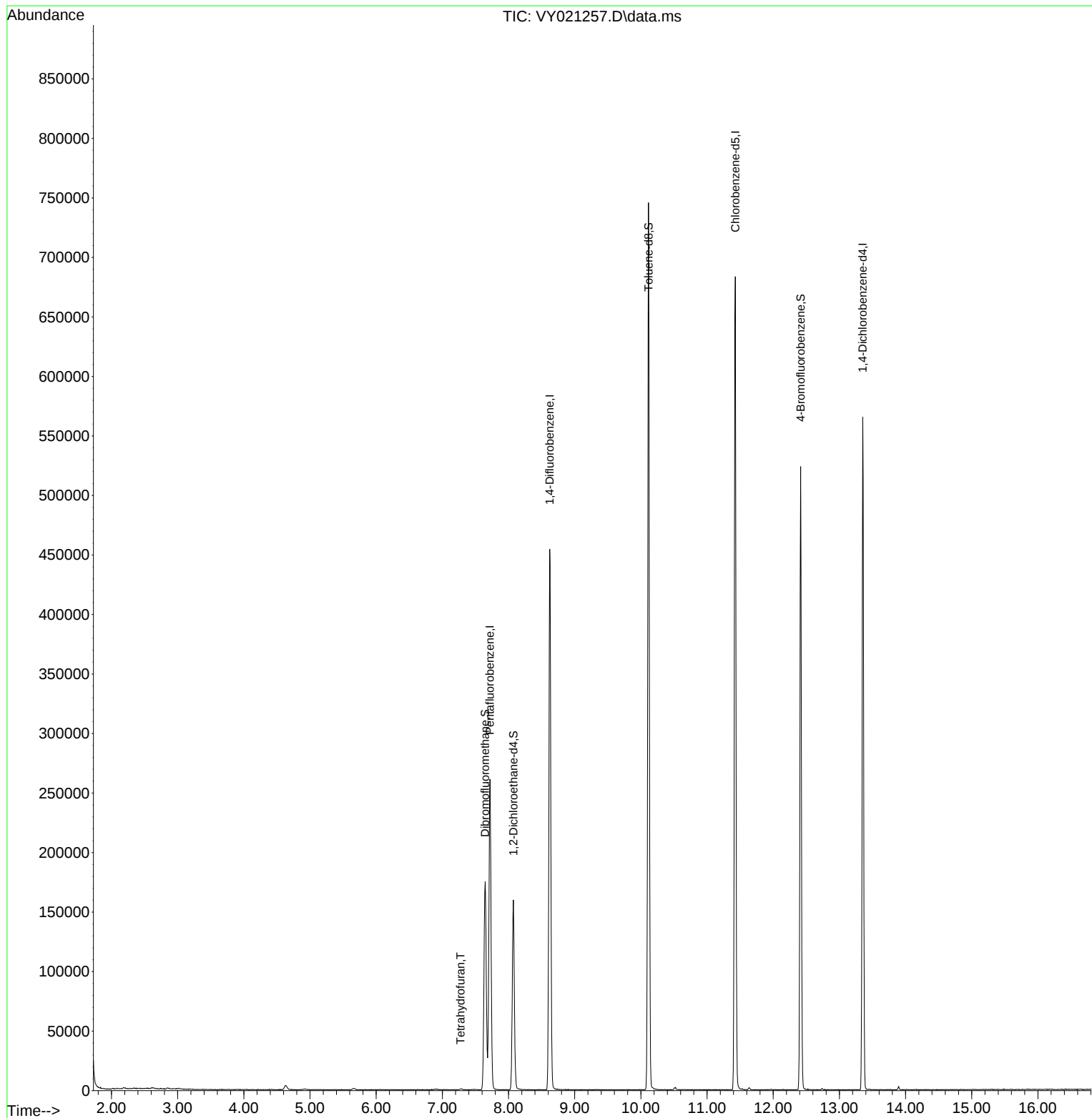
Internal Standards						
1) Pentafluorobenzene	7.719	168	192679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	378357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	350067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	136716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	124389	63.009	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.020%	
35) Dibromofluoromethane	7.646	113	124975	51.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.115	98	464866	50.358	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.414	95	150154	49.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.580%	
Target Compounds						
29) Tetrahydrofuran	7.274	42	728	2.127	ug/l	Qvalue # 37

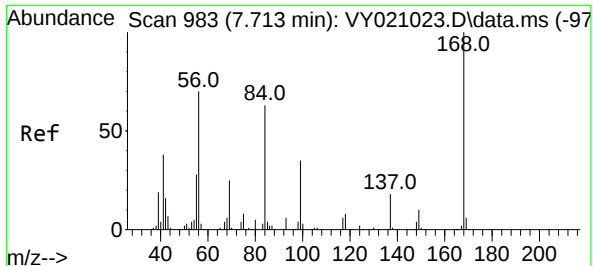
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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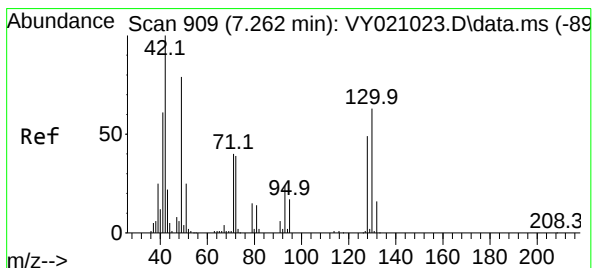
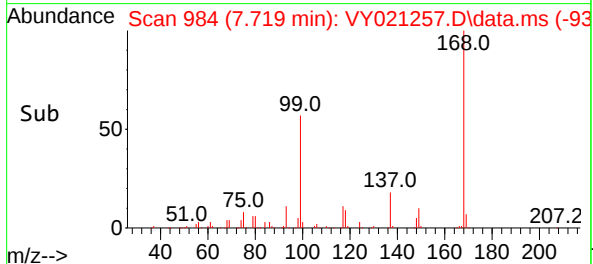
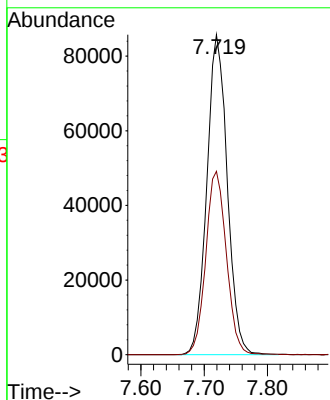
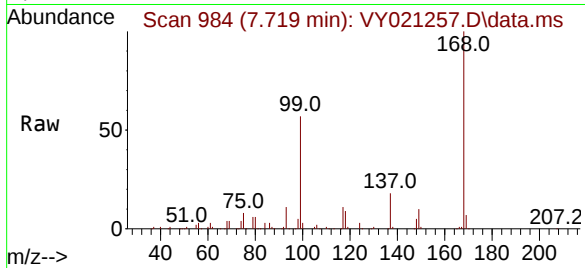




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY021257.D
Acq: 20 Feb 2025 18:16

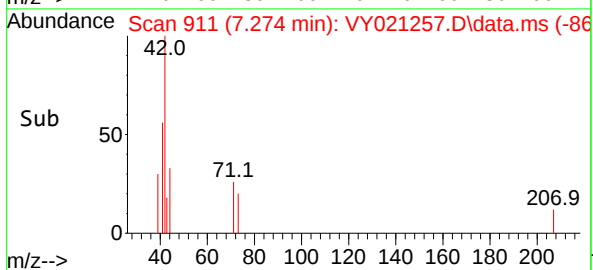
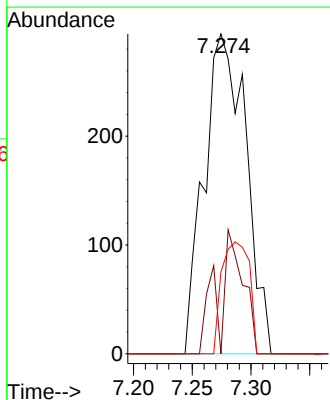
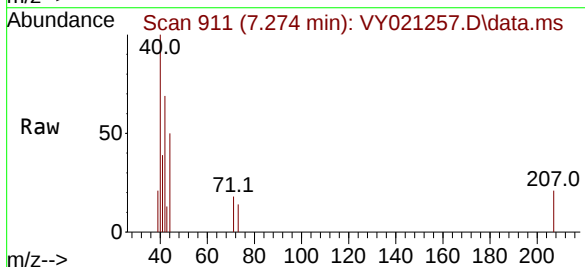
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-17-021725

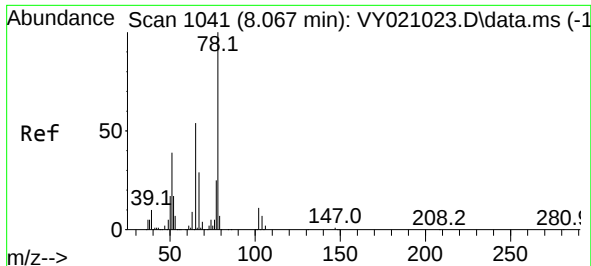
Tgt Ion:168 Resp: 192679
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



#29
Tetrahydrofuran
Concen: 2.127 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY021257.D
Acq: 20 Feb 2025 18:16

Tgt Ion: 42 Resp: 728
Ion Ratio Lower Upper
42 100
72 6.9 36.6 54.8#
71 0.0 33.8 50.6#





#33

1,2-Dichloroethane-d4

Concen: 63.009 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021257.D

Acq: 20 Feb 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

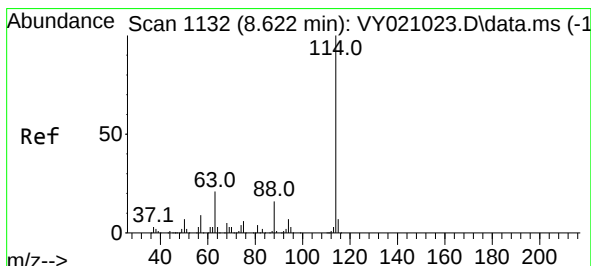
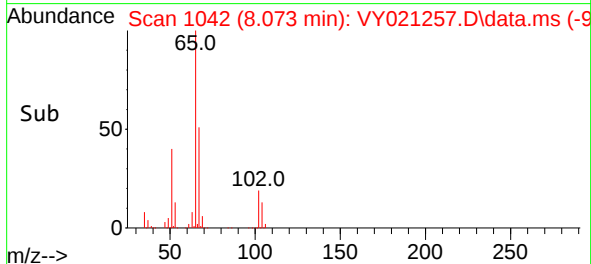
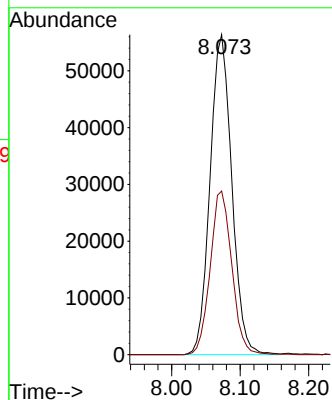
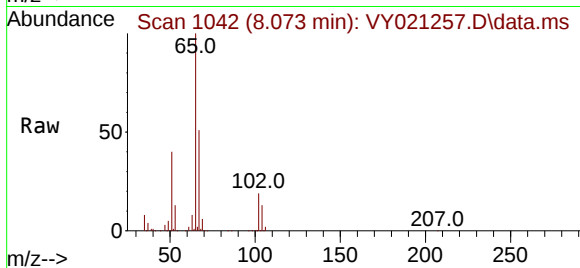
OU4-PCS-TC-17-021725

Tgt Ion: 65 Resp: 124389

Ion Ratio Lower Upper

65 100

67 50.9 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: VY021257.D

Acq: 20 Feb 2025 18:16

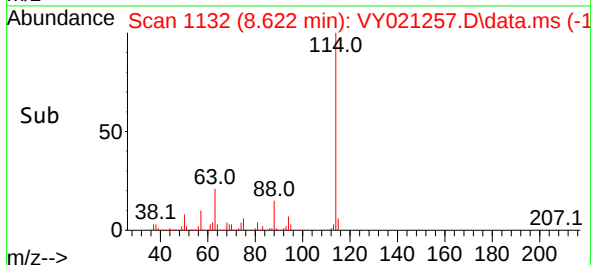
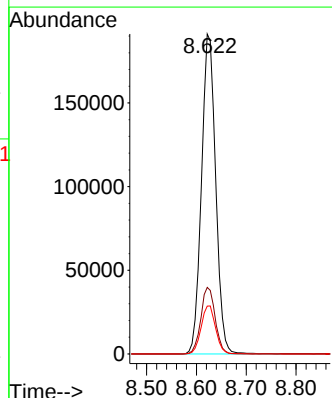
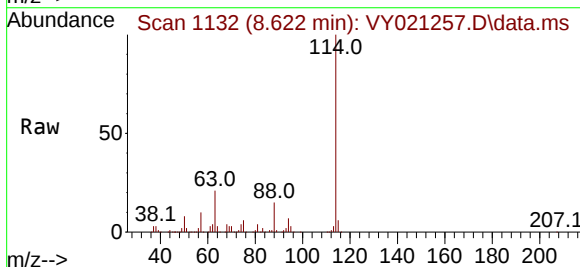
Tgt Ion: 114 Resp: 378357

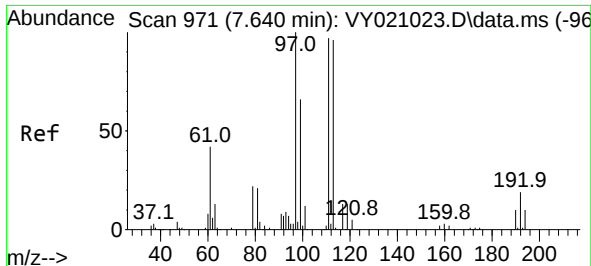
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.0 0.0 29.0

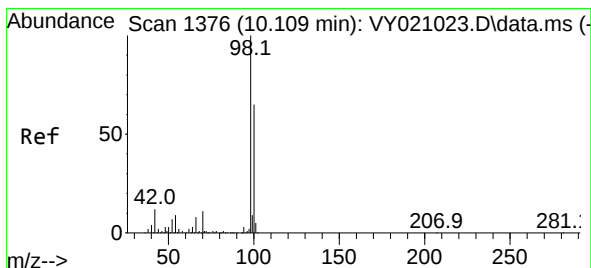
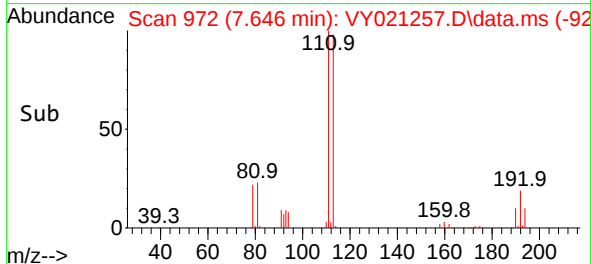
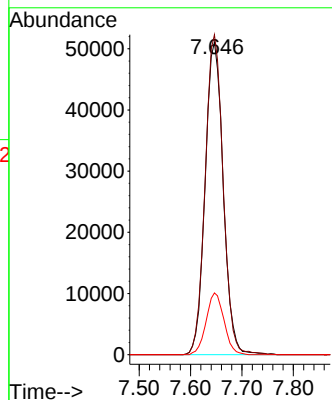
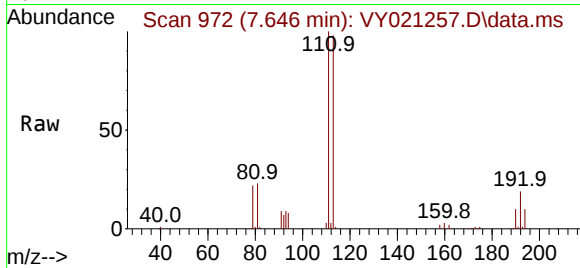




#35
Dibromofluoromethane
Concen: 51.541 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021257.D
Acq: 20 Feb 2025 18:16

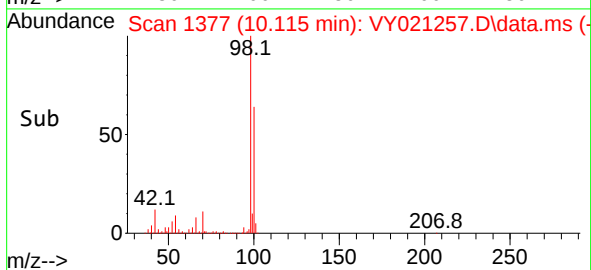
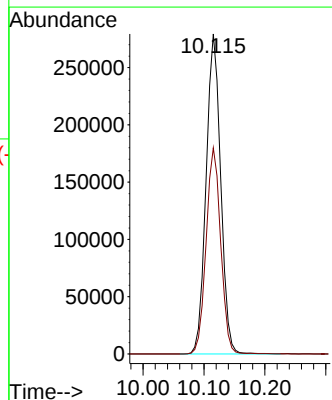
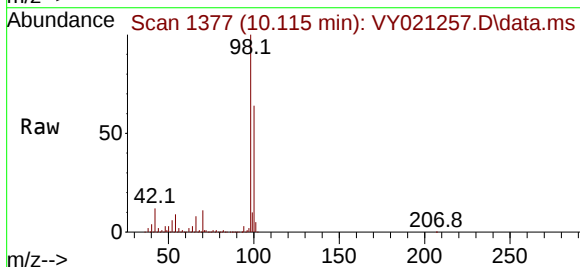
Instrument :
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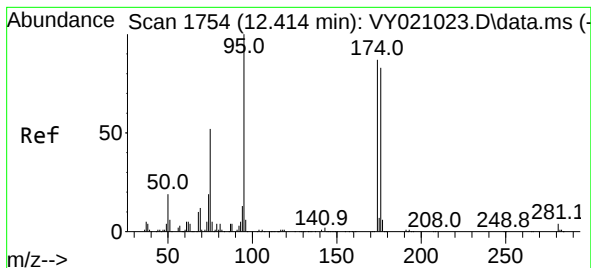
Tgt Ion:113 Resp: 124975
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 19.5 14.5 21.7



#50
Toluene-d8
Concen: 50.358 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021257.D
Acq: 20 Feb 2025 18:16

Tgt Ion: 98 Resp: 464866
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

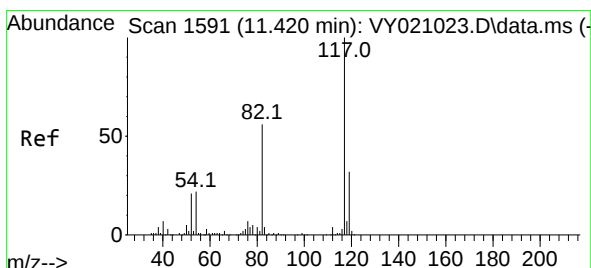
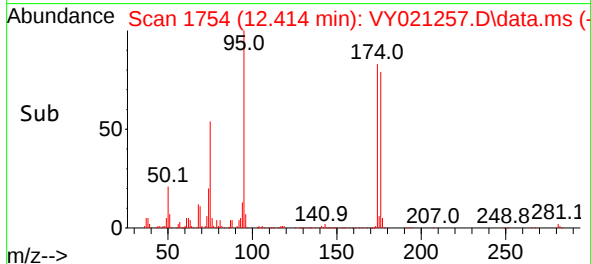
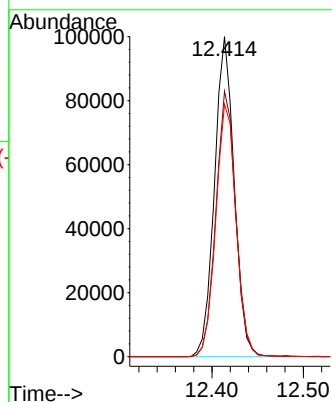
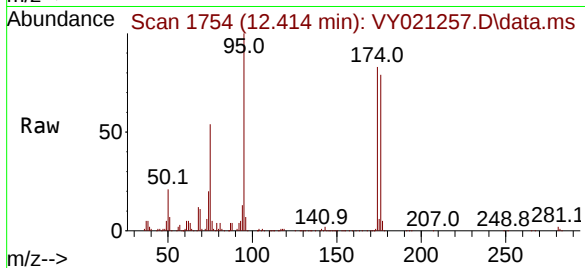




#62
4-Bromofluorobenzene
Concen: 49.789 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021257.D
Acq: 20 Feb 2025 18:16

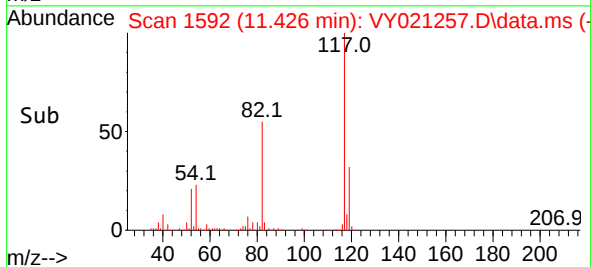
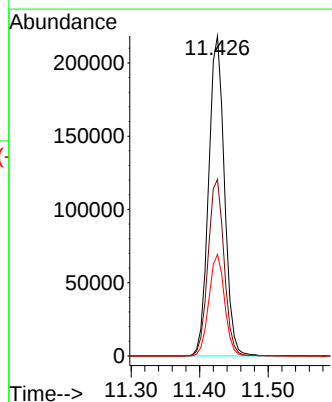
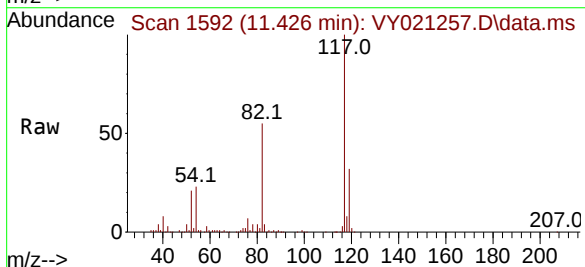
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ClientSampleId :
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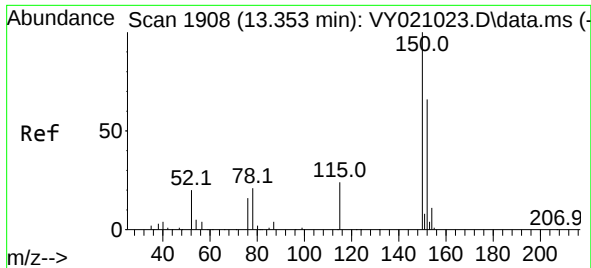
Tgt Ion: 95 Resp: 150154
Ion Ratio Lower Upper
95 100
174 83.5 0.0 160.0
176 81.2 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021257.D
Acq: 20 Feb 2025 18:16

Tgt Ion: 117 Resp: 350067
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 31.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021257.D

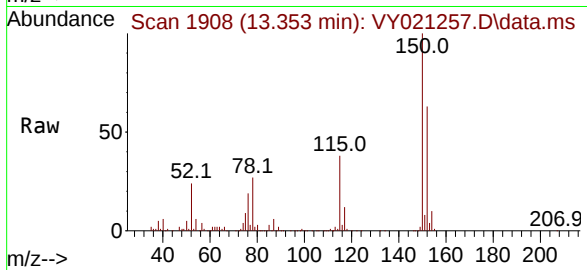
Acq: 20 Feb 2025 18:16

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-17-021725



Tgt Ion:152 Resp: 136716

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 158.1 0.0 344.6

