

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022082.D
 Acq On : 30 Apr 2025 14:44
 Operator : SY/MD
 Sample : Q1883-11
 Misc : 14.43g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-32-042325

Quant Time: May 01 01:36:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

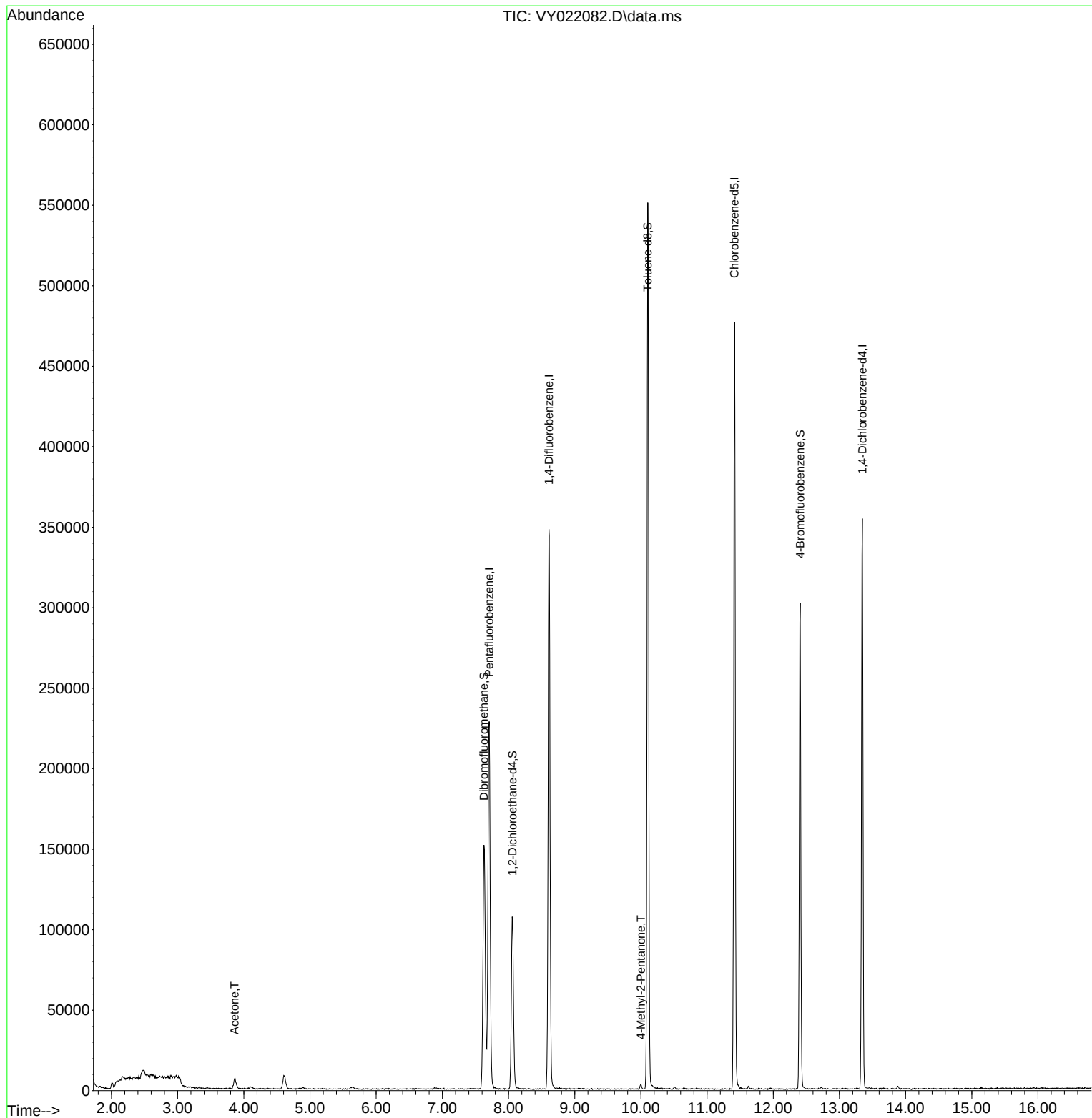
Internal Standards						
1) Pentafluorobenzene	7.707	168	183390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	313489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	269104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	96684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85952	50.741	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.480%	
35) Dibromofluoromethane	7.628	113	111914	54.037	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.080%	
50) Toluene-d8	10.103	98	378713	48.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	12.408	95	94131	35.812	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 71.620%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	10178	26.837	ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	1782	1.772	ug/l	97

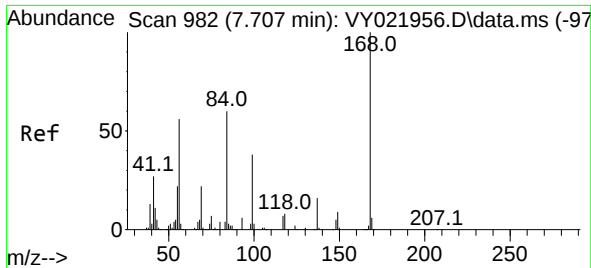
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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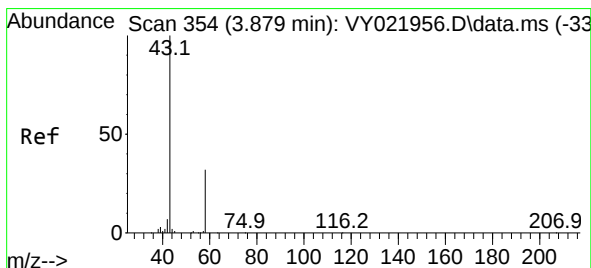
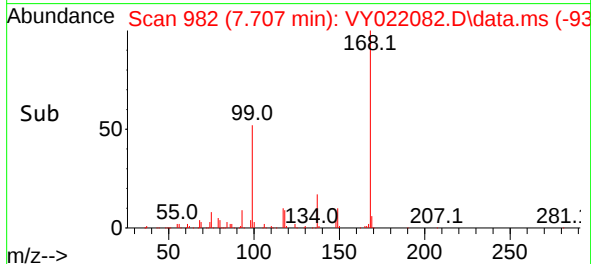
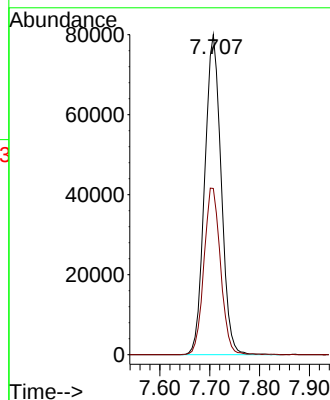
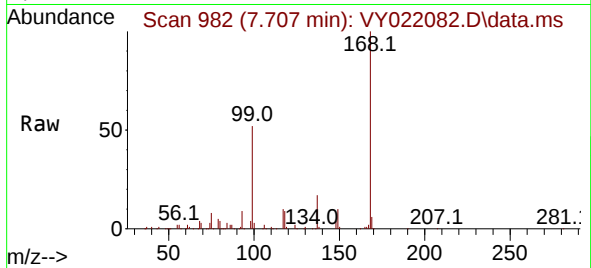




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

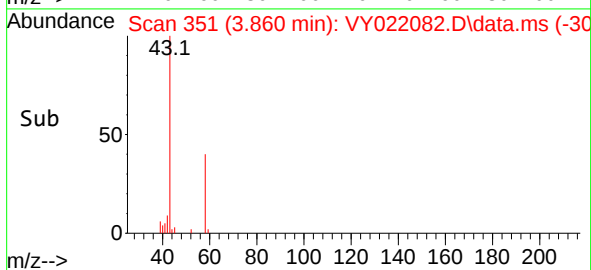
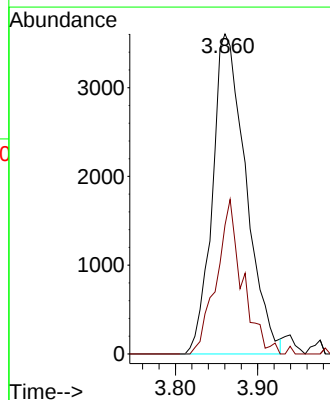
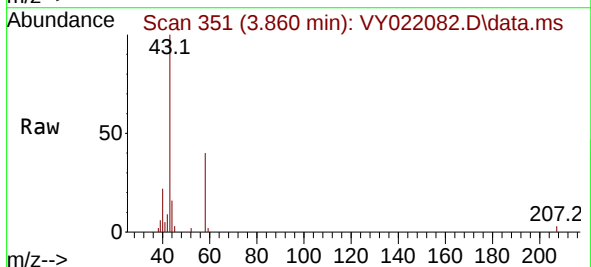
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

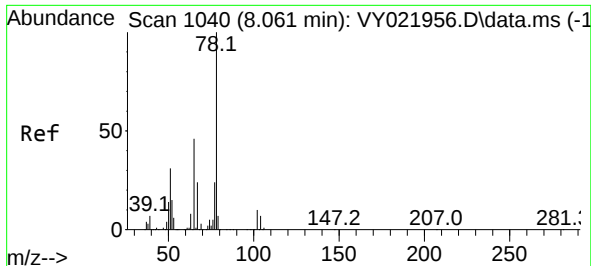
Tgt Ion:168 Resp: 183390
Ion Ratio Lower Upper
168 100
99 52.0 43.1 64.7



#16
Acetone
Concen: 26.837 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 43 Resp: 10178
Ion Ratio Lower Upper
43 100
58 40.3 27.0 40.4

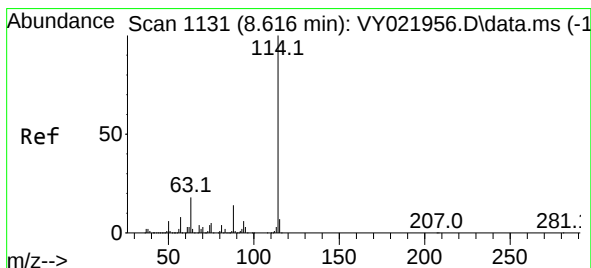
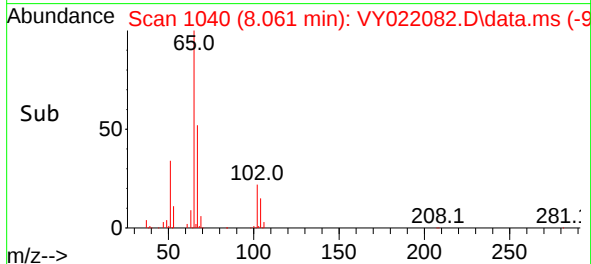
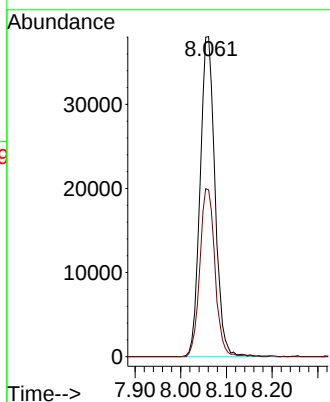
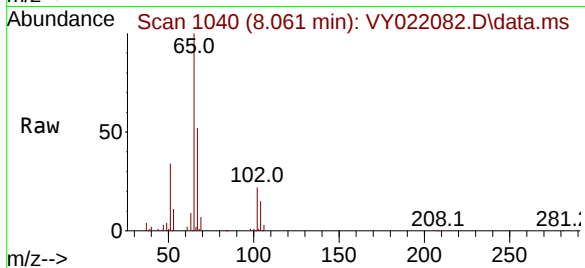




#33
 1,2-Dichloroethane-d4
 Concen: 50.741 ug/l
 RT: 8.061 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VY022082.D
 Acq: 30 Apr 2025 14:44

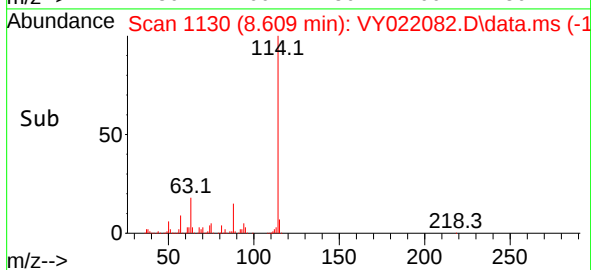
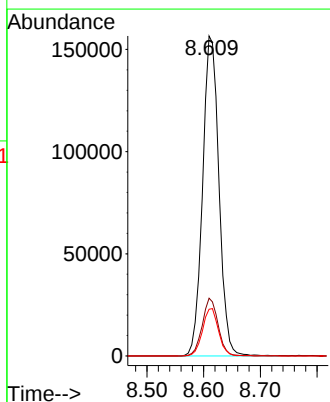
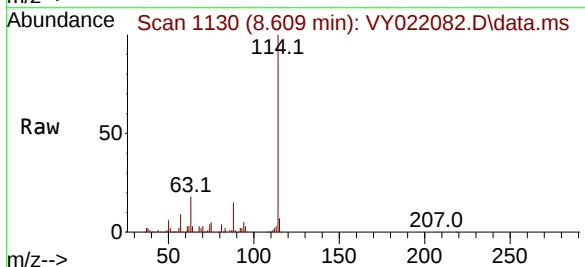
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-32-042325

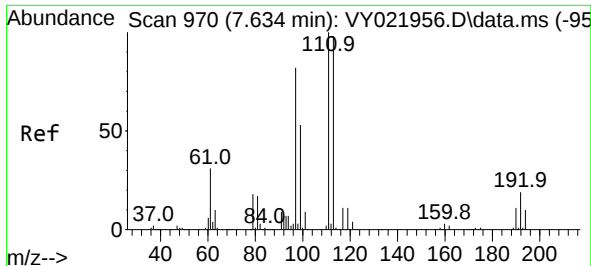
Tgt Ion: 65 Resp: 85952
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022082.D
 Acq: 30 Apr 2025 14:44

Tgt Ion: 114 Resp: 313489
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.4
 88 14.6 0.0 28.2

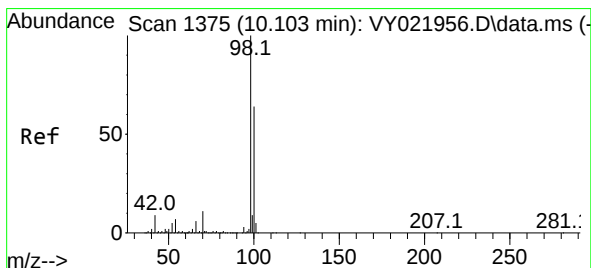
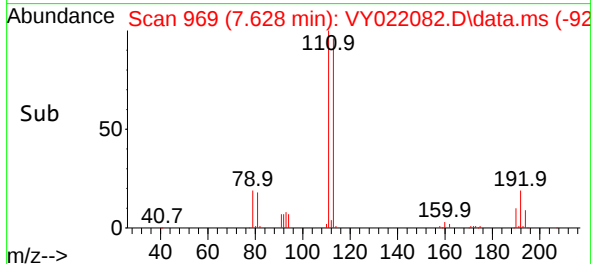
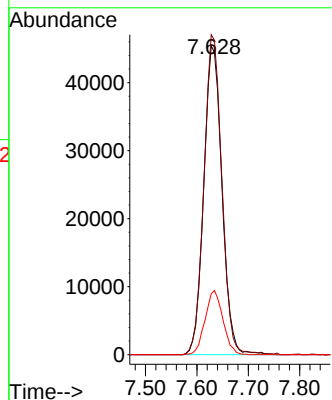
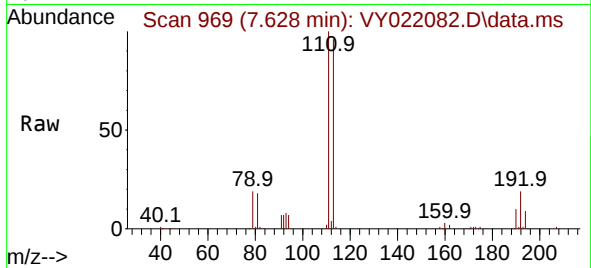




#35
Dibromofluoromethane
Concen: 54.037 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

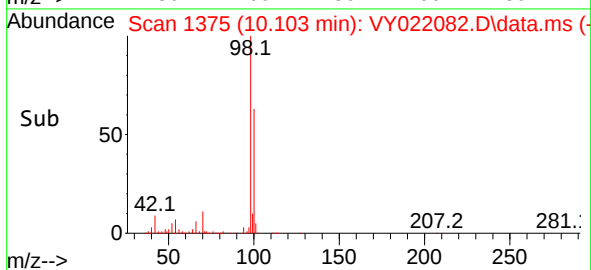
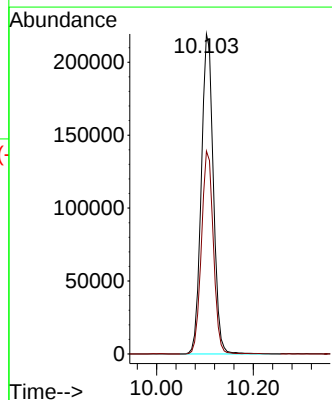
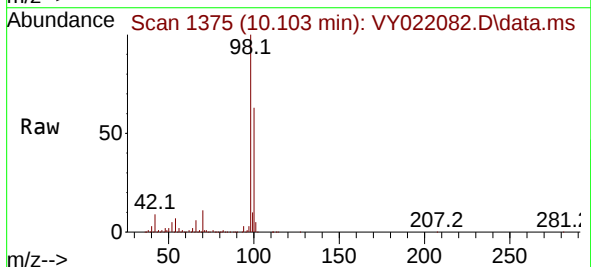
Instrument :
MSVOA_Y
ClientSampleId :
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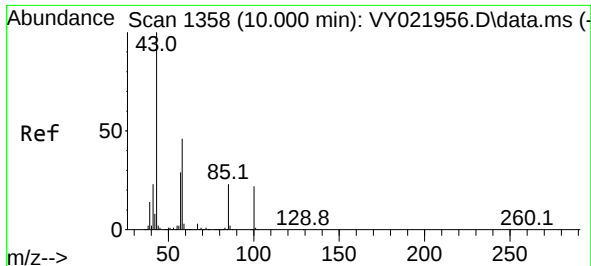
Tgt Ion:113 Resp: 111914
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 20.4 15.6 23.4



#50
Toluene-d8
Concen: 48.504 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 98 Resp: 378713
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4

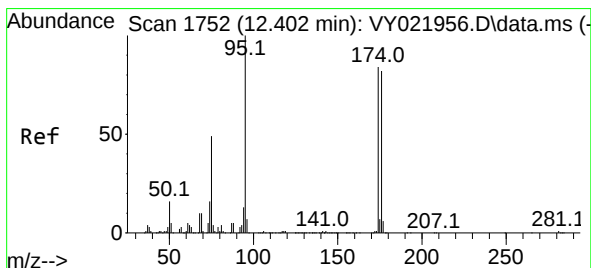
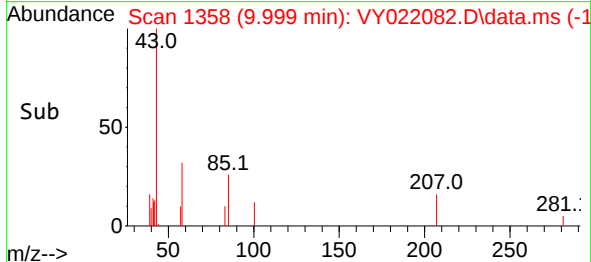
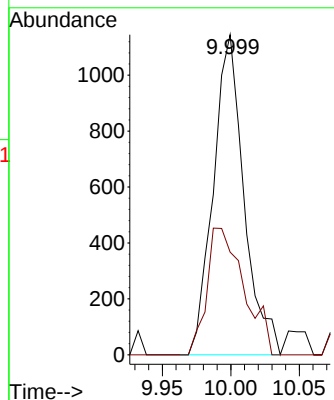
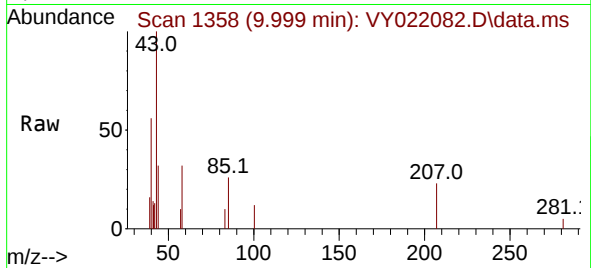




#51
4-Methyl-2-Pentanone
Concen: 1.772 ug/l
RT: 9.999 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

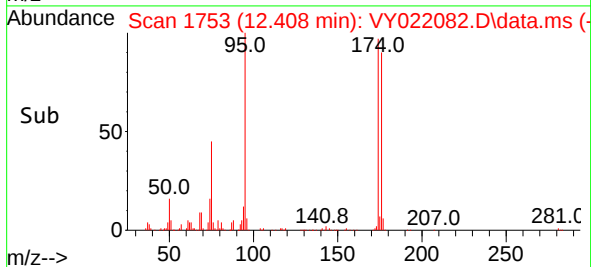
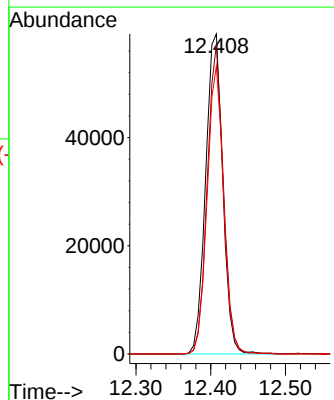
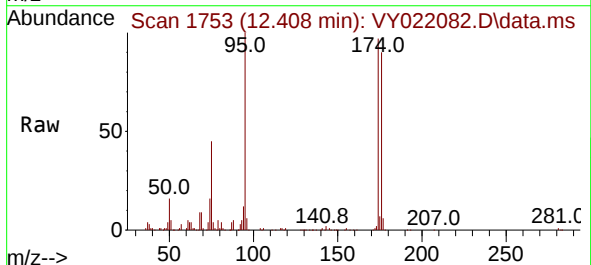
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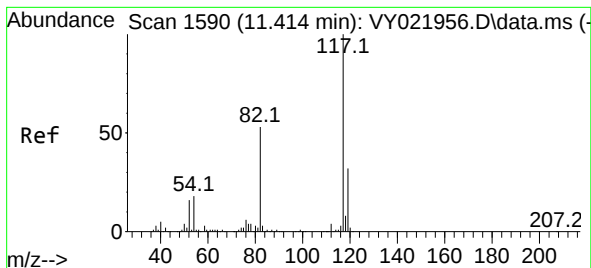
Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
58 48.0 36.6 55.0



#62
4-Bromofluorobenzene
Concen: 35.812 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022082.D
Acq: 30 Apr 2025 14:44

Tgt Ion: 95 Resp: 94131
Ion Ratio Lower Upper
95 100
174 91.9 0.0 179.0
176 86.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022082.D

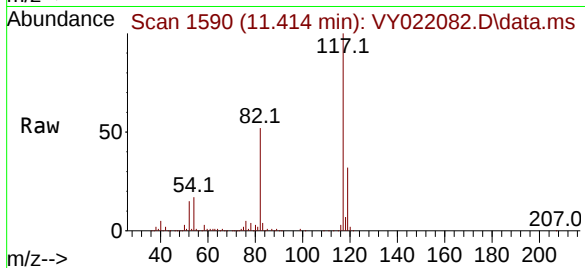
Acq: 30 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-32-042325



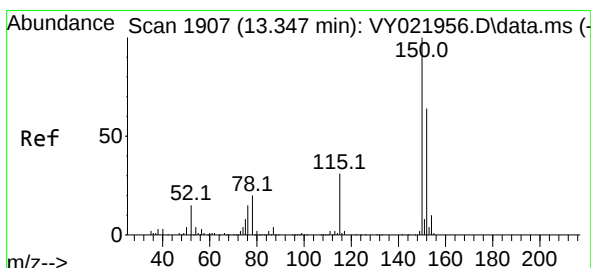
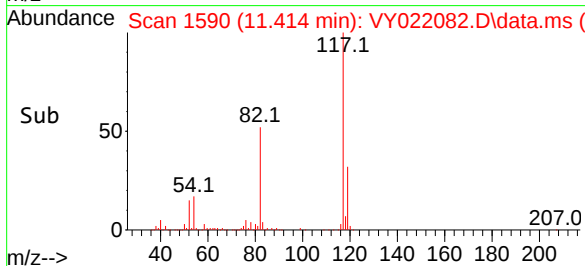
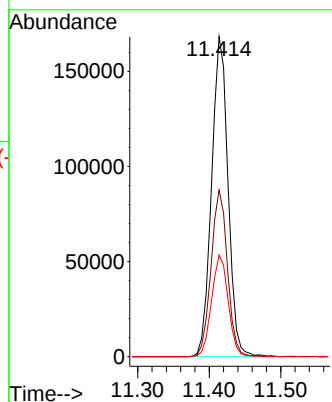
Tgt Ion:117 Resp: 269104

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 31.8 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: VY022082.D

Acq: 30 Apr 2025 14:44

Tgt Ion:152 Resp: 96684

Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 157.2 0.0 345.6

