

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021788.D
 Acq On : 04 Apr 2025 16:11
 Operator : SY/MD
 Sample : Q1730-15
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-25-040325

Quant Time: Apr 04 23:40:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

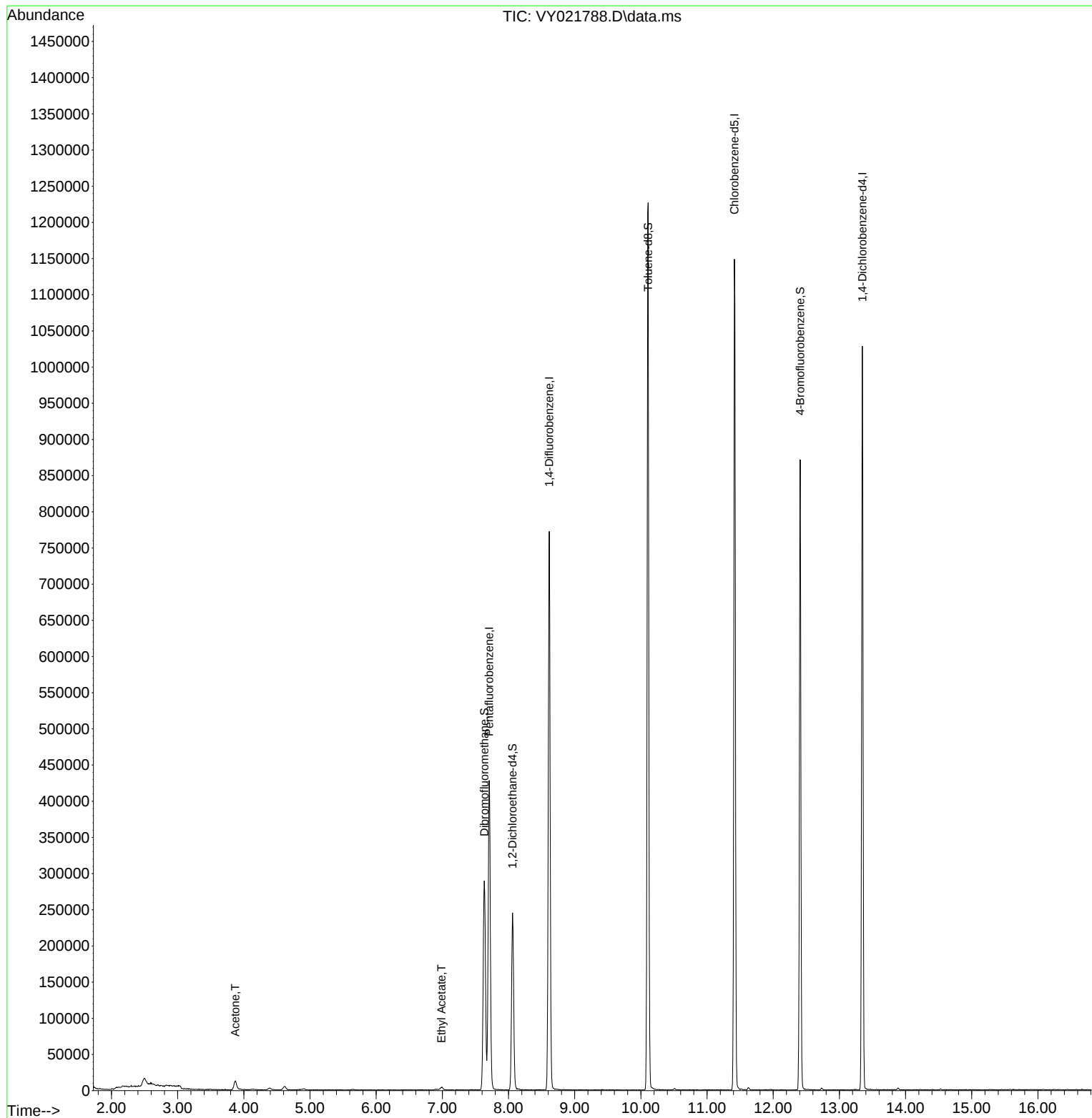
Internal Standards						
1) Pentafluorobenzene	7.707	168	320565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	630114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	590211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	247639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193209	55.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.260%
35) Dibromofluoromethane	7.634	113	206030	50.406	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.820%
50) Toluene-d8	10.109	98	780046	50.164	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.408	95	255317	48.542	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.080%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	22600	31.794	ug/l	100
37) Ethyl Acetate	6.988	43	5217	1.776	ug/l #	89

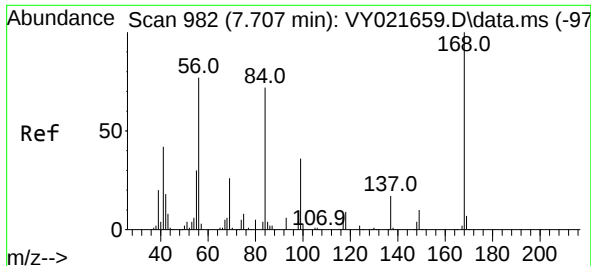
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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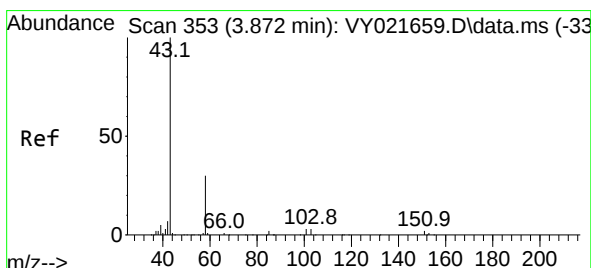
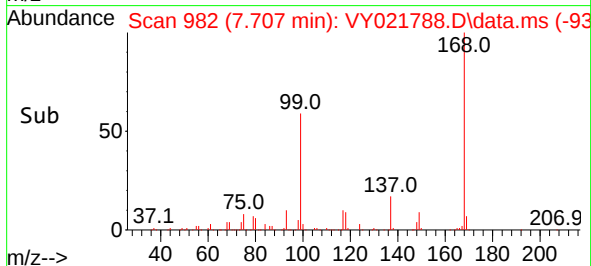
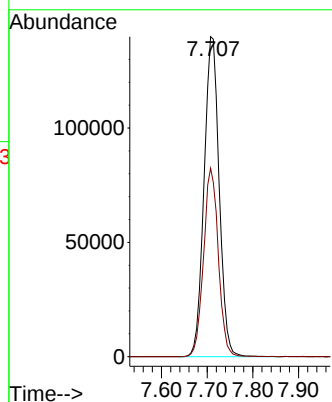
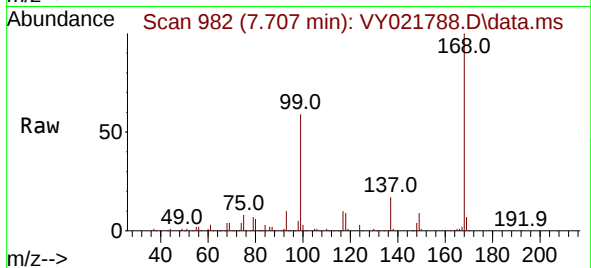




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

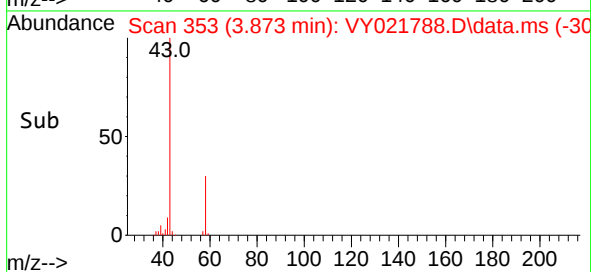
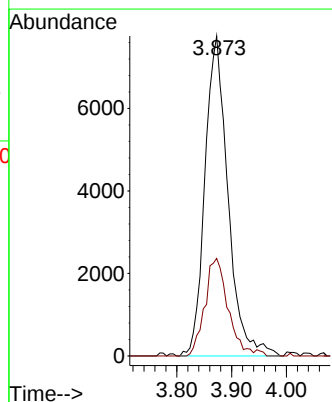
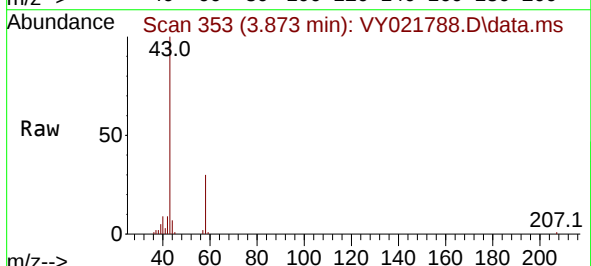
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

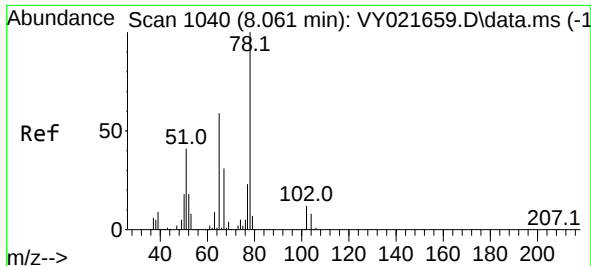
Tgt Ion:168 Resp: 320565
Ion Ratio Lower Upper
168 100
99 58.9 46.7 70.1



#16
Acetone
Concen: 31.794 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 43 Resp: 22600
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 55.628 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

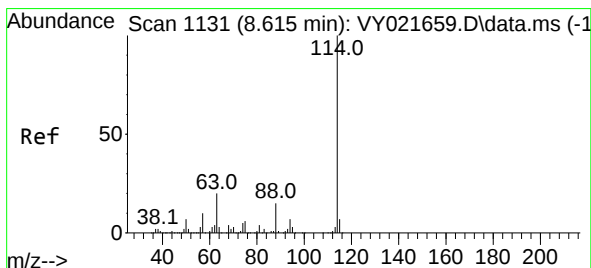
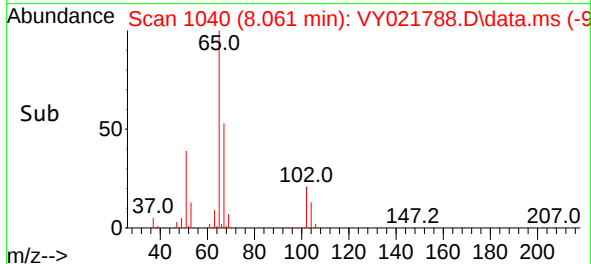
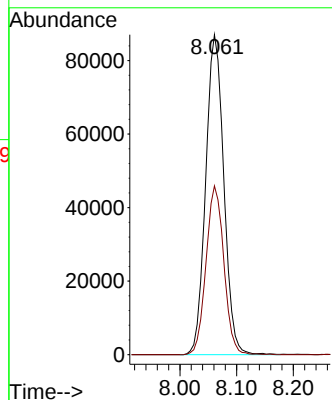
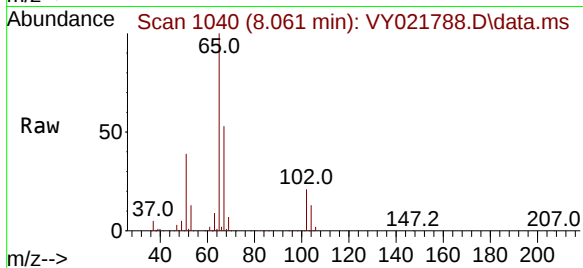
OU4-PCS-TC-25-040325

Tgt Ion: 65 Resp: 193209

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

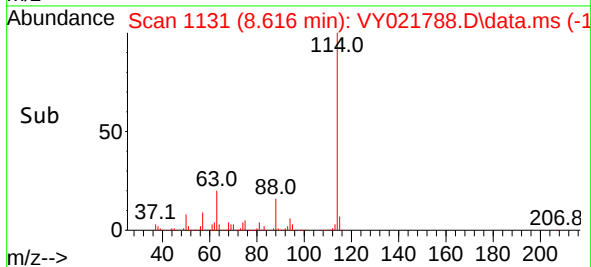
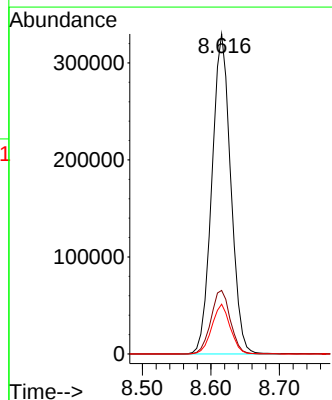
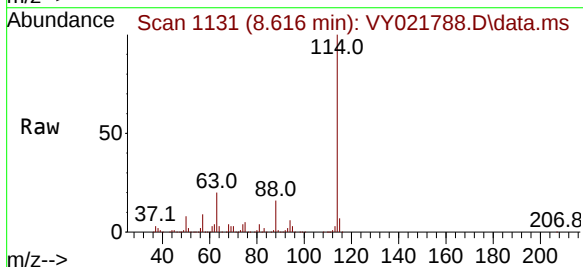
Tgt Ion: 114 Resp: 630114

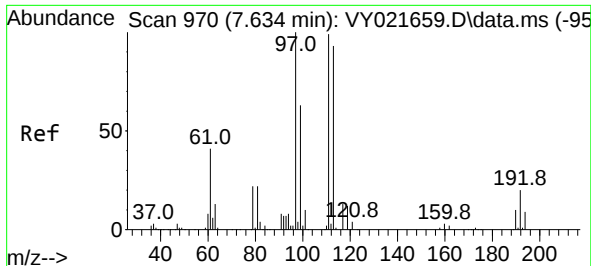
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.6 0.0 29.8

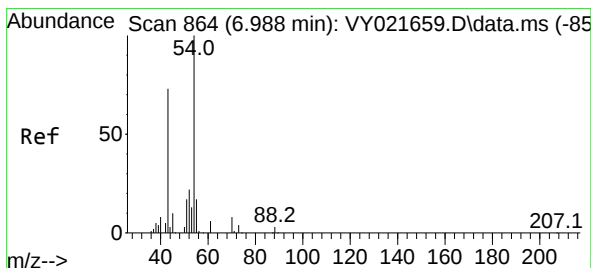
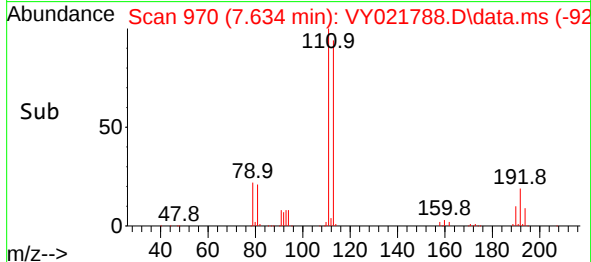
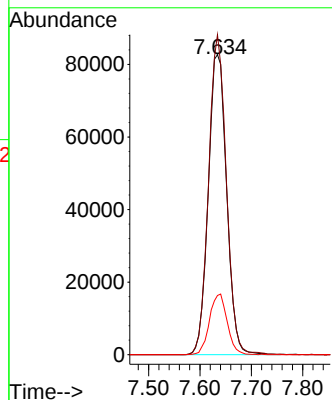
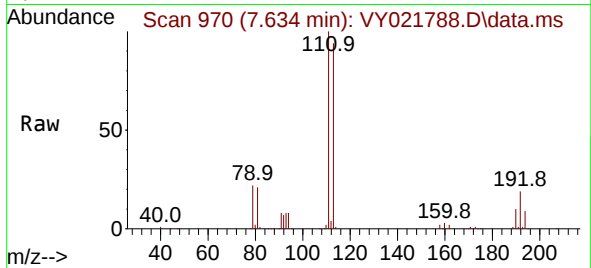




#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

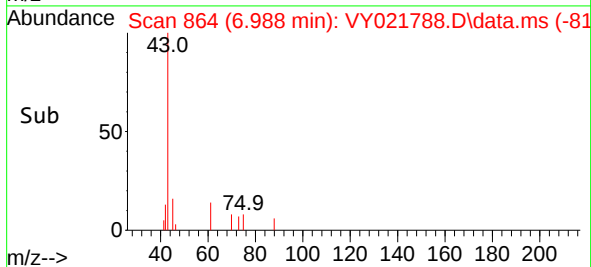
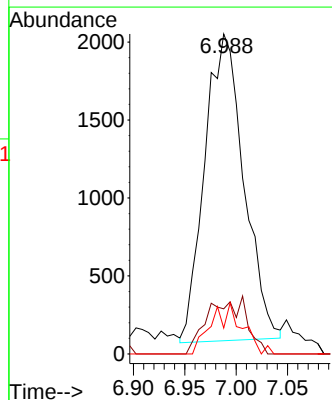
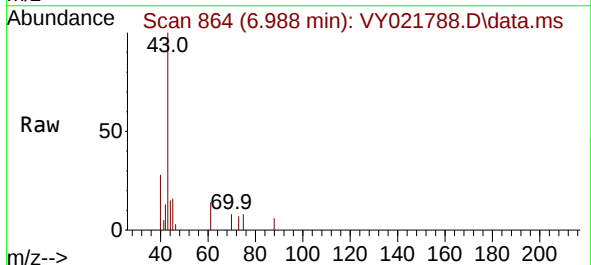
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

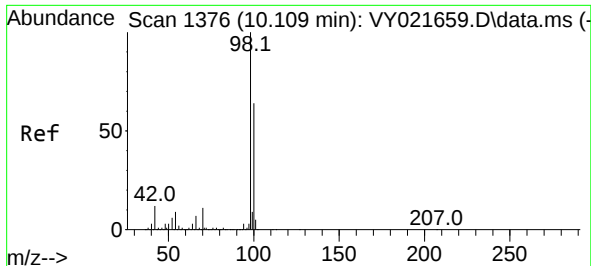
Tgt Ion:113 Resp: 206030
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.5 16.2 24.4



#37
Ethyl Acetate
Concen: 1.776 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 43 Resp: 5217
Ion Ratio Lower Upper
43 100
61 9.4 11.0 16.6#
70 6.3 8.1 12.1#

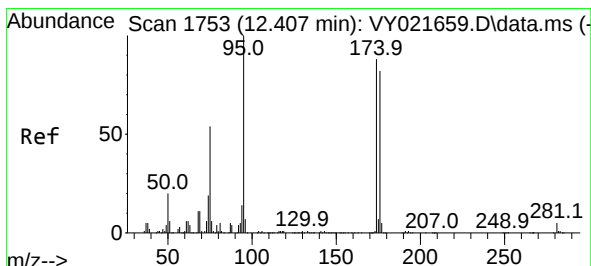
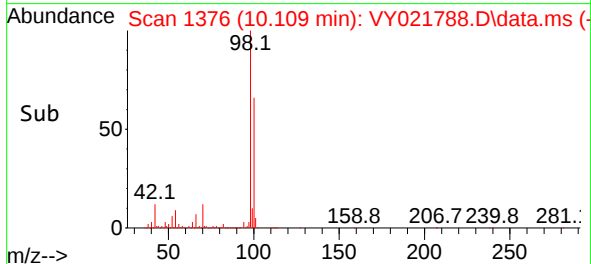
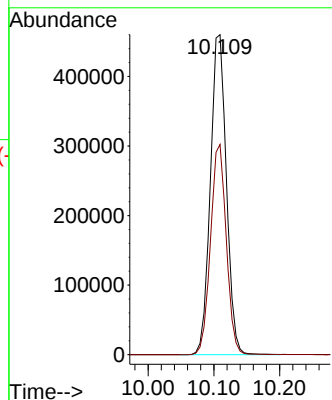
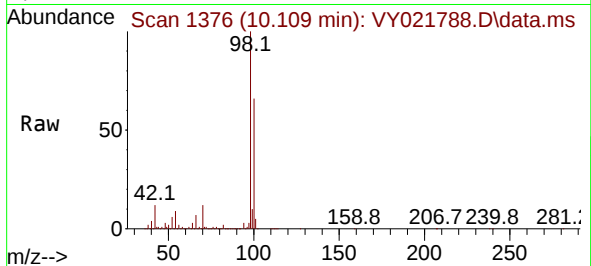




#50
Toluene-d8
Concen: 50.164 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

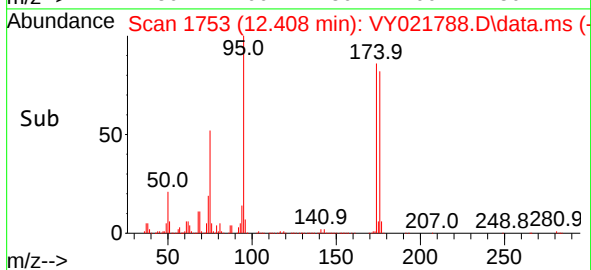
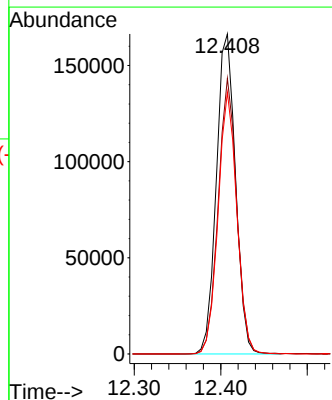
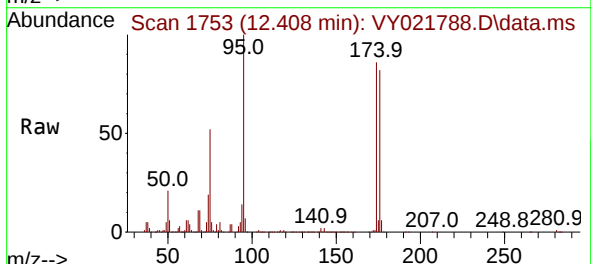
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ClientSampleId :
OU4-PCS-TC-25-040325

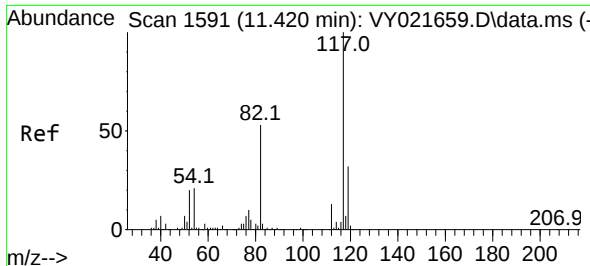
Tgt Ion: 98 Resp: 780046
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.542 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 95 Resp: 255317
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 79.9 0.0 162.0

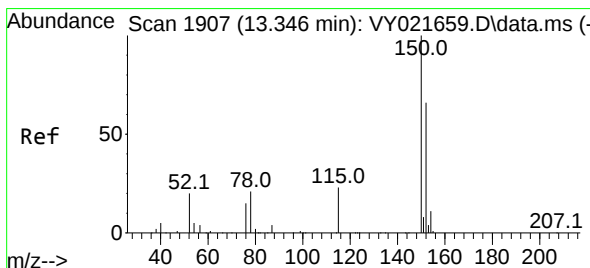
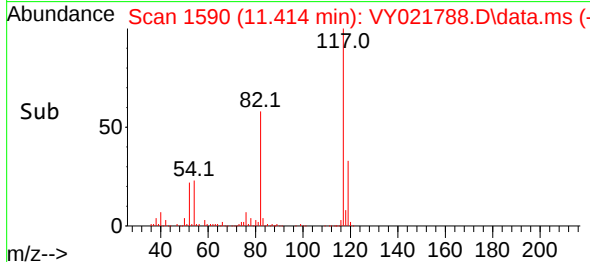
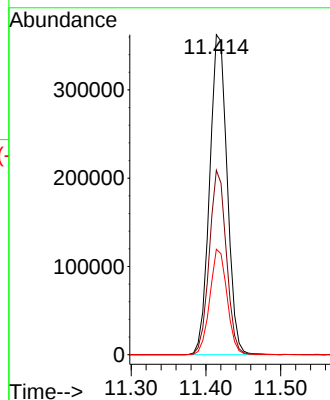
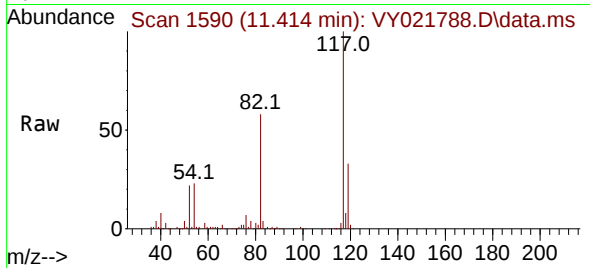




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

Tgt Ion:117 Resp: 590211
Ion Ratio Lower Upper
117 100
82 57.7 42.8 64.2
119 33.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion:152 Resp: 247639
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 158.2 0.0 348.4

