

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021784.D
 Acq On : 04 Apr 2025 14:37
 Operator : SY/MD
 Sample : Q1730-07
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-21-040325

Quant Time: Apr 04 23:40:05 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)

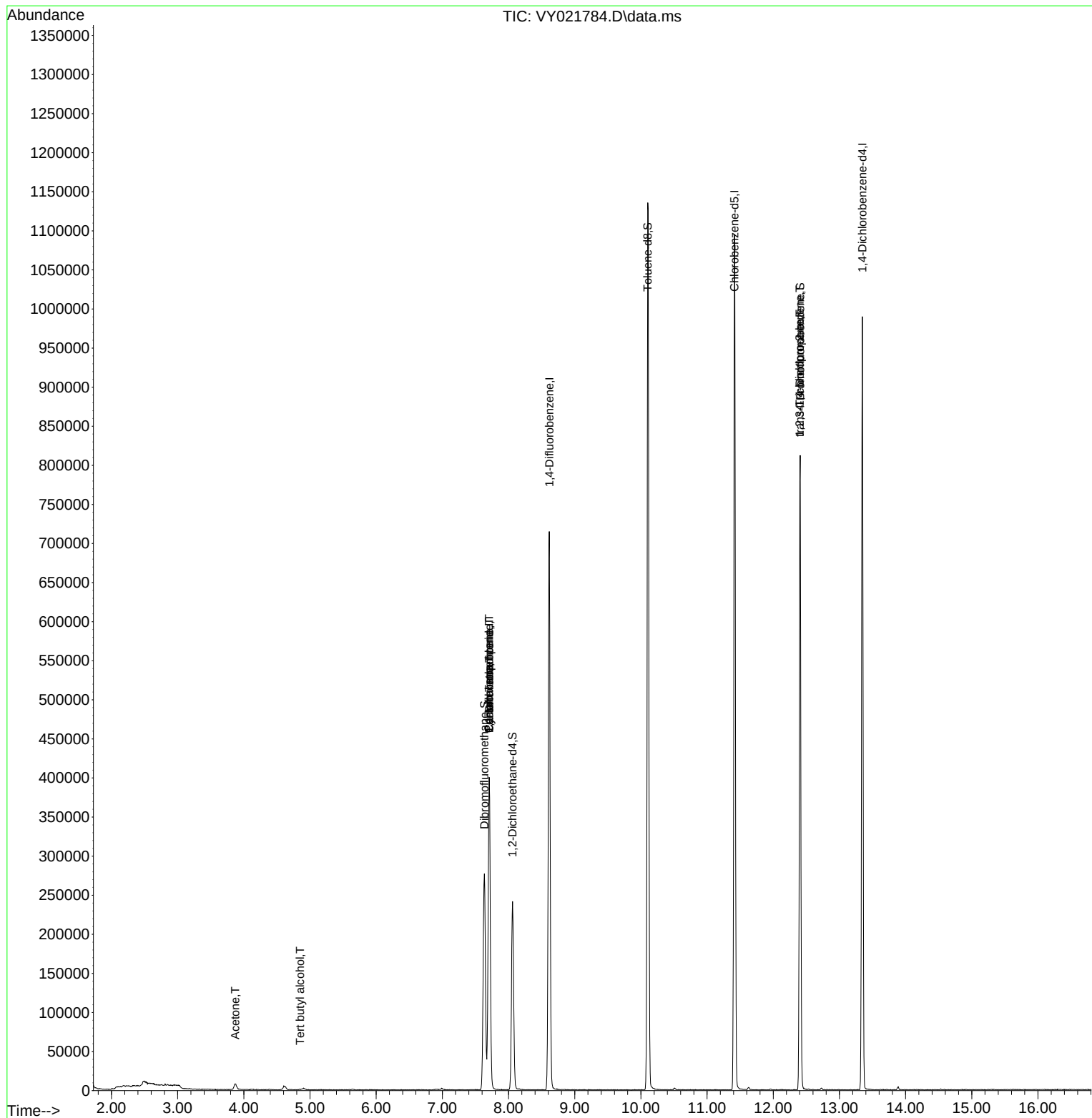
Internal Standards						
1) Pentafluorobenzene	7.707	168	300002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	589442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	558862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	191441	58.897	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.800%
35) Dibromofluoromethane	7.634	113	197606	51.680	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.360%
50) Toluene-d8	10.103	98	726513	49.945	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.900%
62) 4-Bromofluorobenzene	12.408	95	241379	49.059	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	672	3.183	ug/l #	70
16) Acetone	3.873	43	13804	20.751	ug/l	94
20) Methylene Chloride	4.604	84	3337	Below Cal	#	79
31) Cyclohexane	7.707	56	6579	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	24279	4.169	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30498	4.572	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	127440	54.258	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	127440	125.019	ug/l #	12

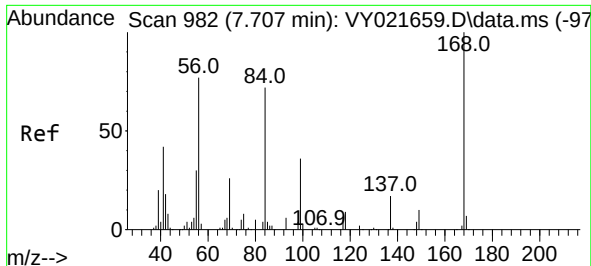
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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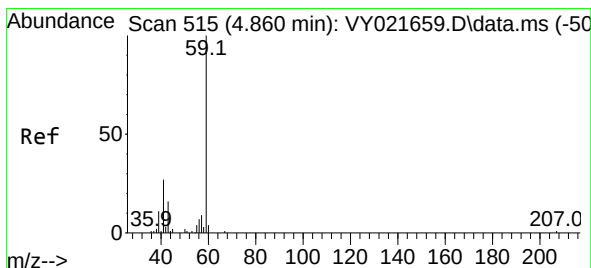
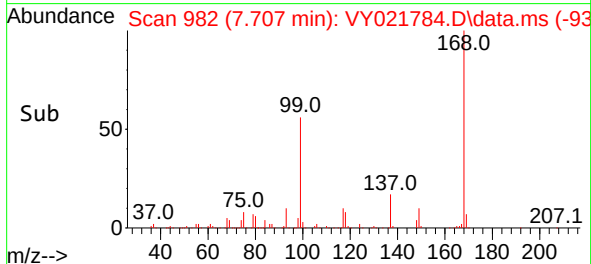
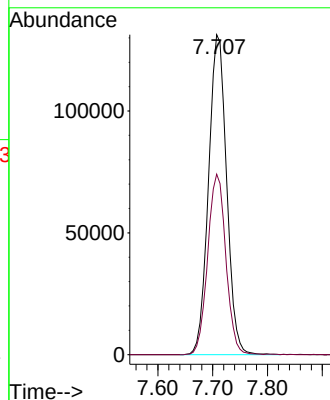
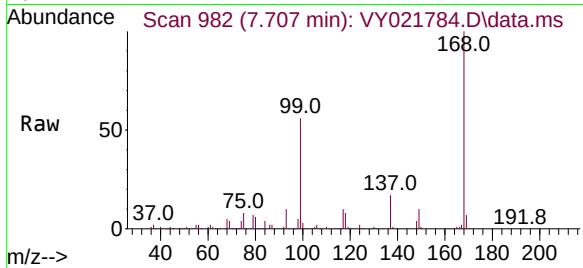




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

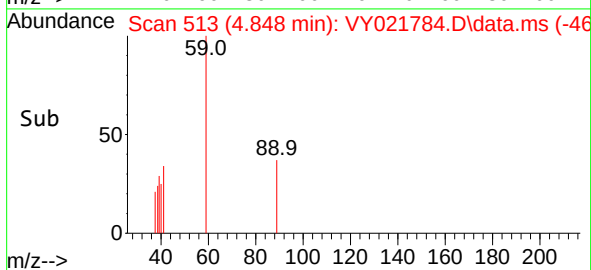
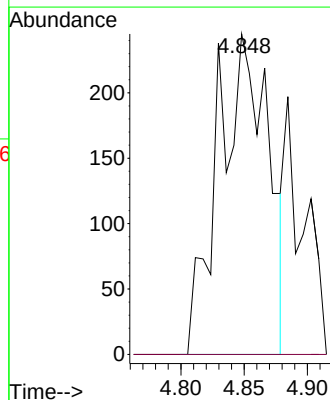
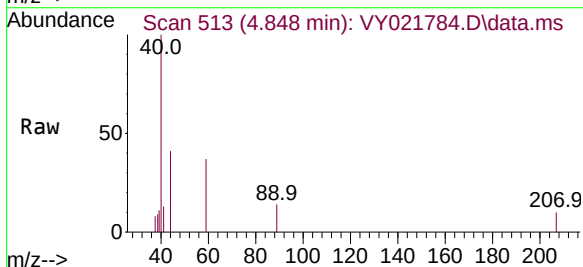
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

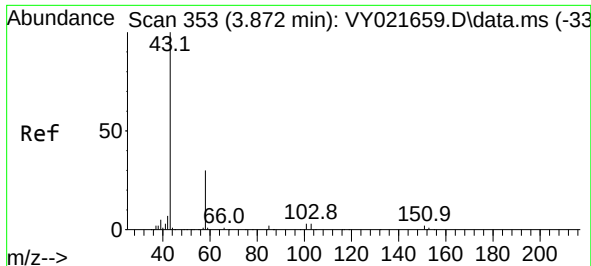
Tgt Ion:168 Resp: 300002
Ion Ratio Lower Upper
168 100
99 56.4 46.7 70.1



#11
Tert butyl alcohol
Concen: 3.183 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion: 59 Resp: 672
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 20.751 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

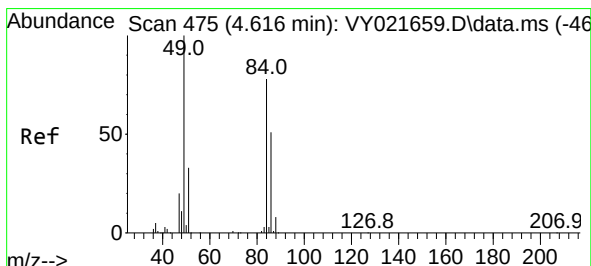
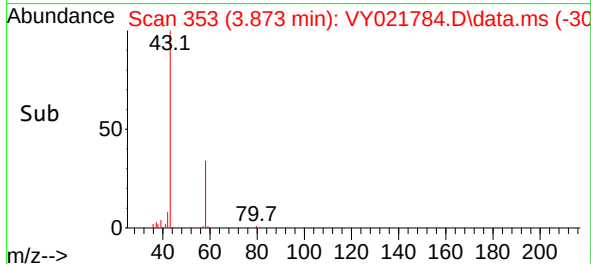
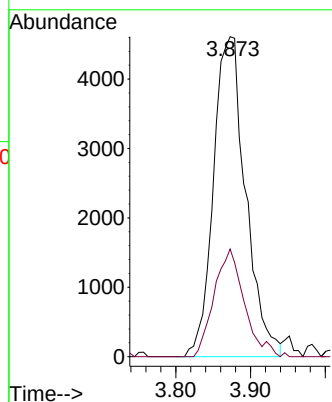
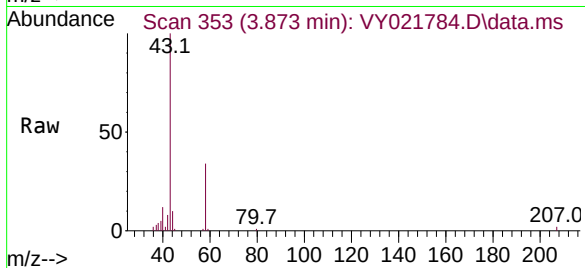
OU4-PCS-TC-21-040325

Tgt Ion: 43 Resp: 13804

Ion Ratio Lower Upper

43 100

58 33.7 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

Tgt Ion: 84 Resp: 3337

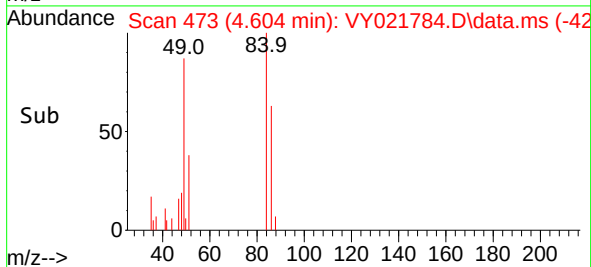
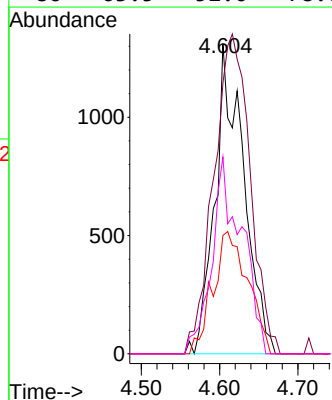
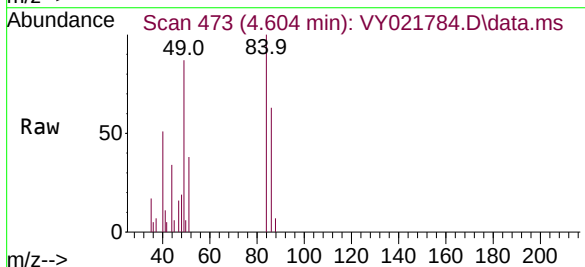
Ion Ratio Lower Upper

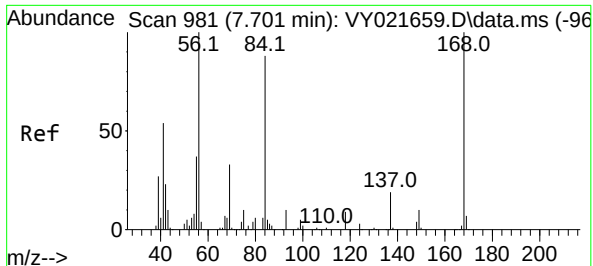
84 100

49 87.3 102.8 154.2#

51 38.2 33.5 50.3

86 63.5 52.0 78.0

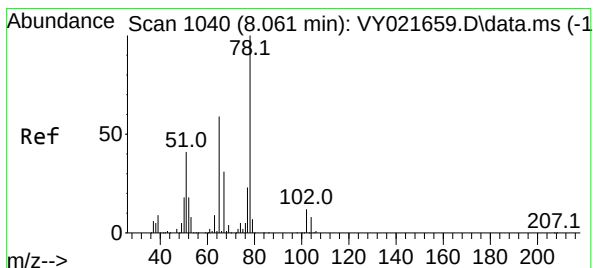
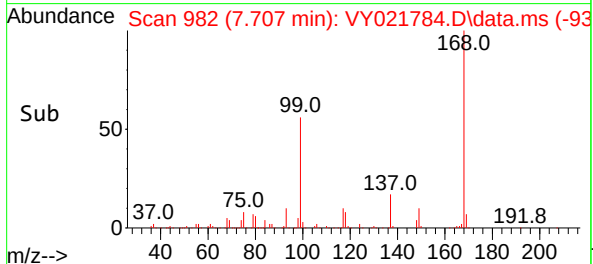
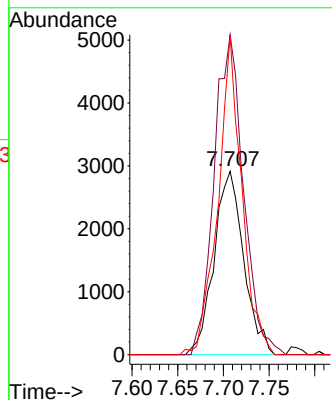
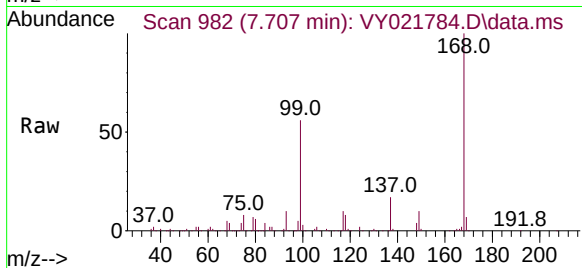




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

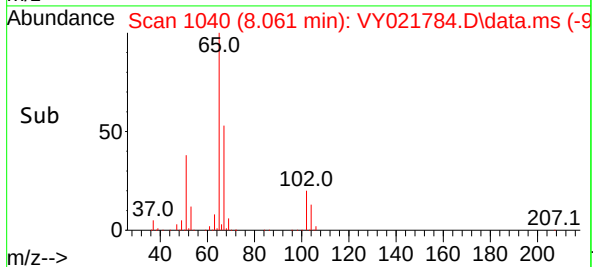
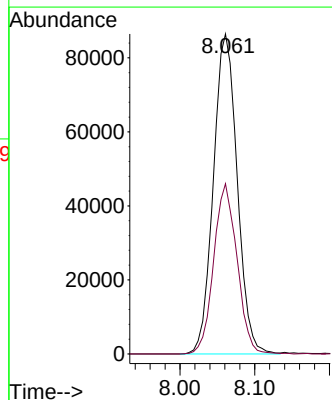
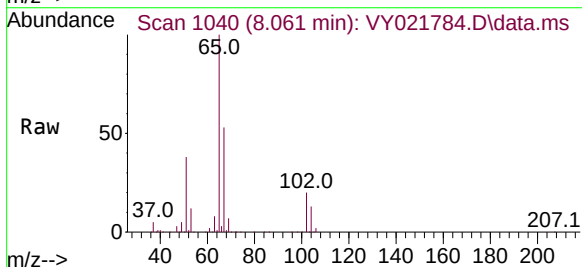
Instrument :
MSVOA_Y
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OU4-PCS-TC-21-040325

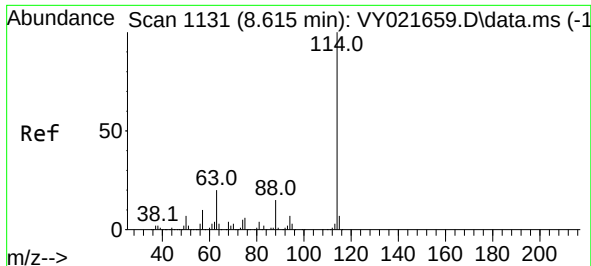
Tgt Ion: 56 Resp: 6579
Ion Ratio Lower Upper
56 100
69 174.5 26.6 40.0#
84 174.0 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 58.897 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion: 65 Resp: 191441
Ion Ratio Lower Upper
65 100
67 52.1 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: VY021784.D

Acq: 04 Apr 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-21-040325

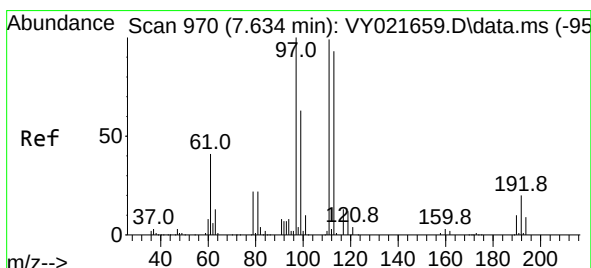
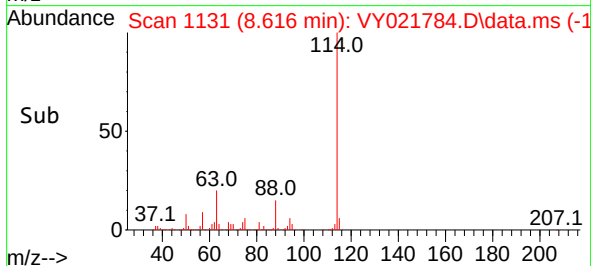
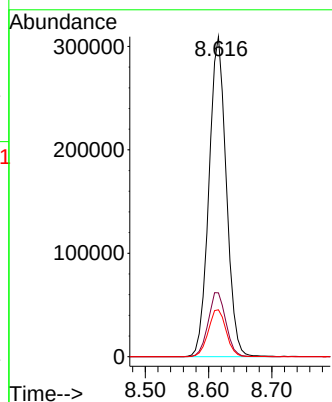
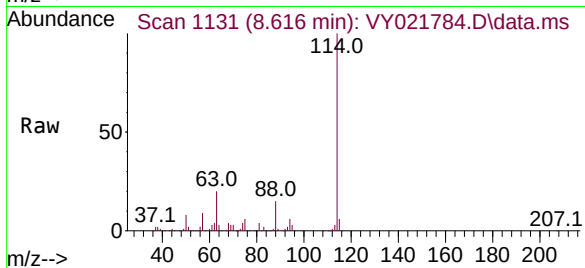
Tgt Ion:114 Resp: 589442

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 14.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.680 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

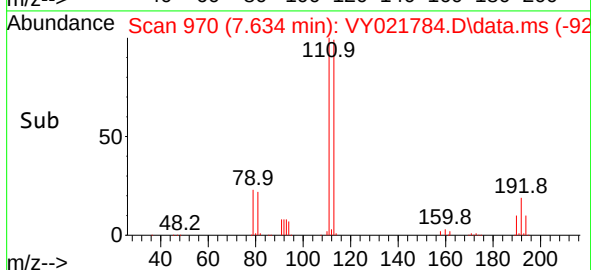
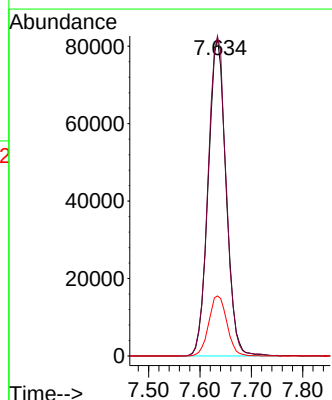
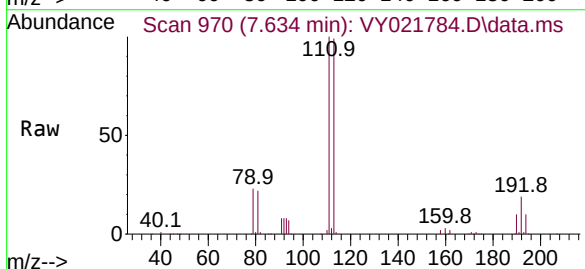
Tgt Ion:113 Resp: 197606

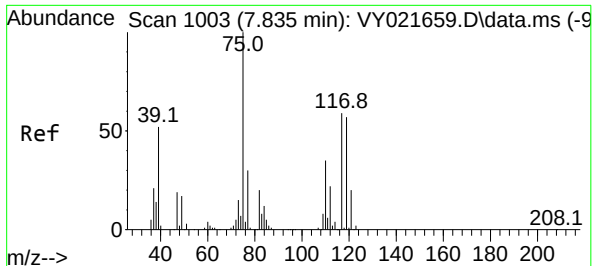
Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 19.3 16.2 24.4

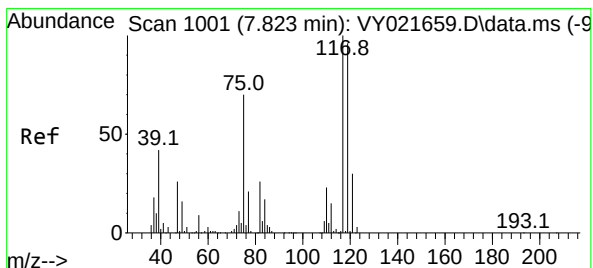
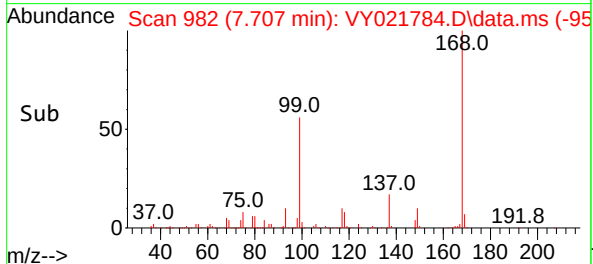
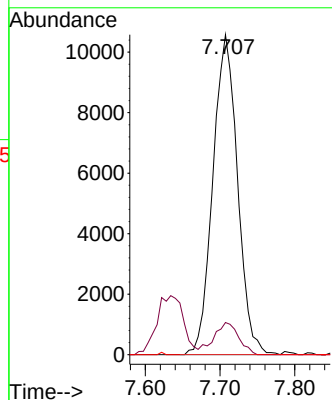
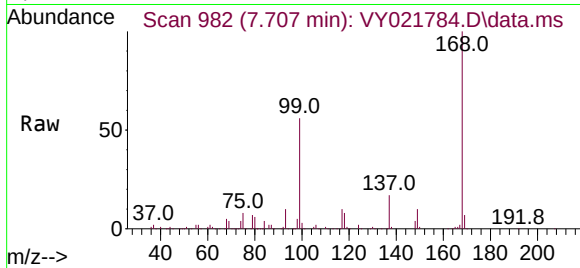




#36
1,1-Dichloropropene
Concen: 4.169 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

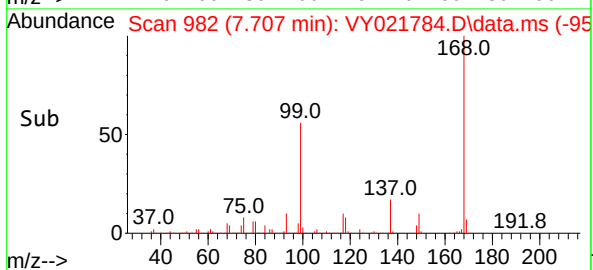
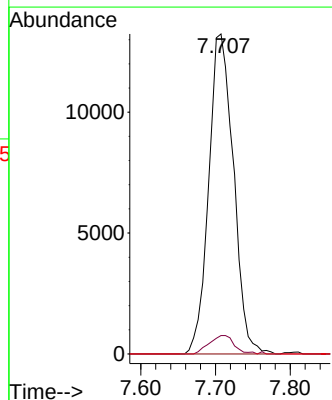
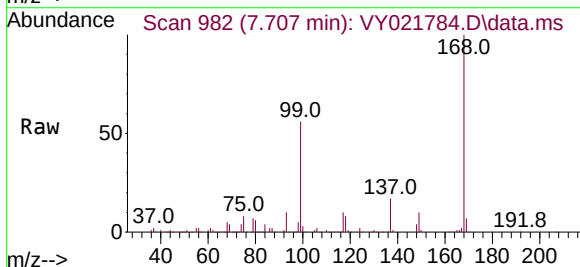
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

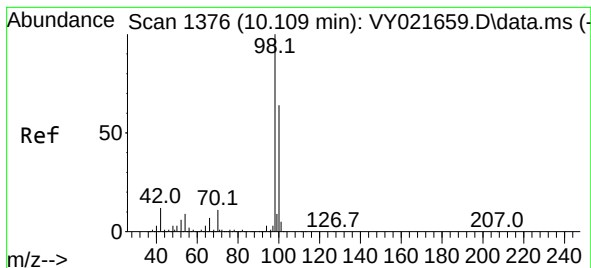
Tgt Ion: 75 Resp: 24279
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.572 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion: 117 Resp: 30498
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.4#
121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 49.945 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

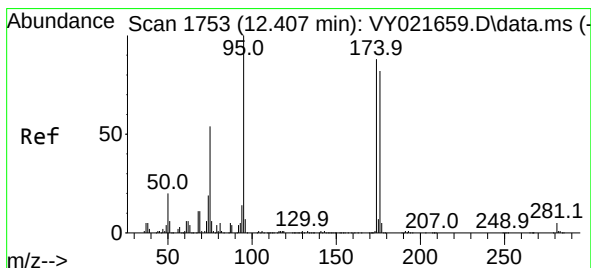
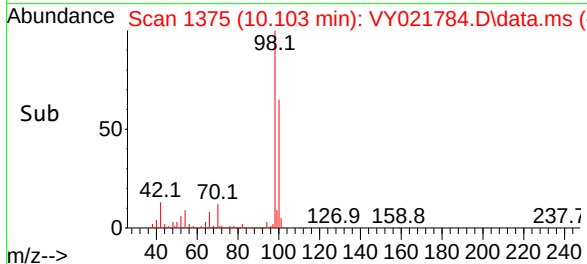
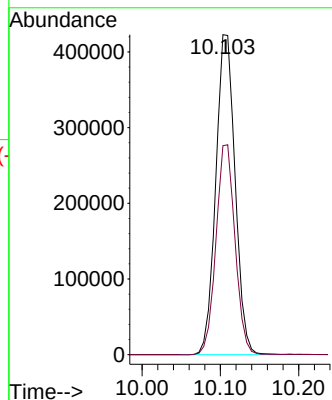
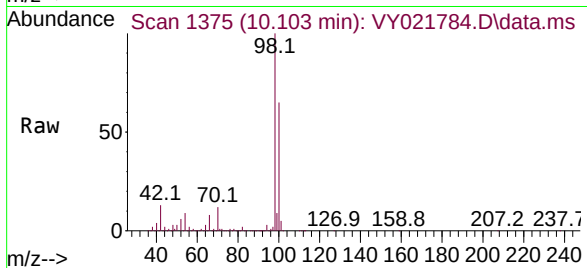
OU4-PCS-TC-21-040325

Tgt Ion: 98 Resp: 726513

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 49.059 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021784.D

Acq: 04 Apr 2025 14:37

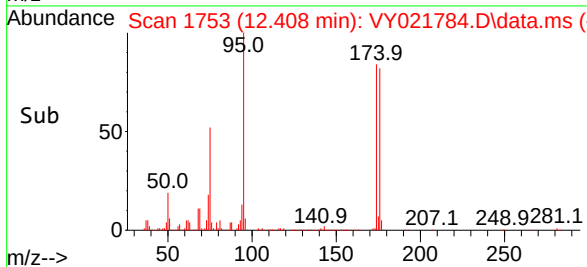
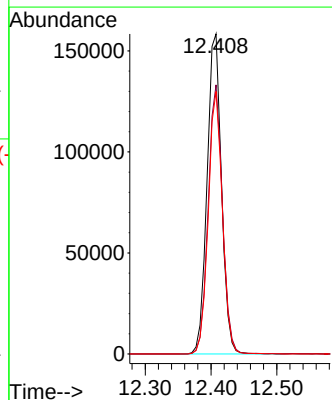
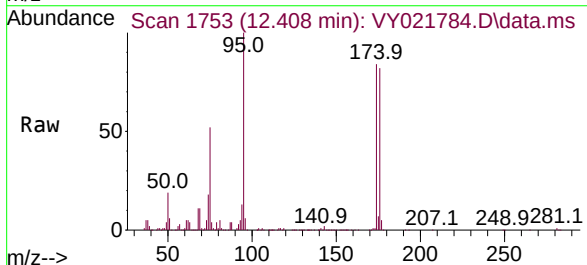
Tgt Ion: 95 Resp: 241379

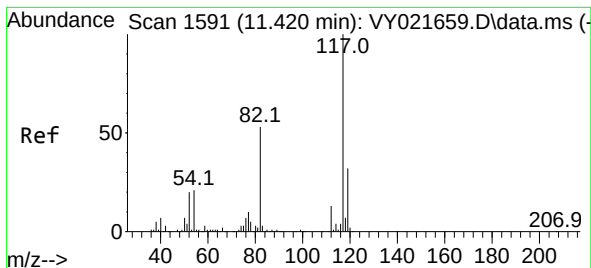
Ion Ratio Lower Upper

95 100

174 83.6 0.0 170.8

176 80.6 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: VY021784.D

Acq: 04 Apr 2025 14:37

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OU4-PCS-TC-21-040325

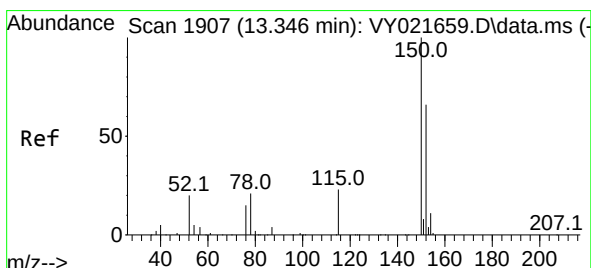
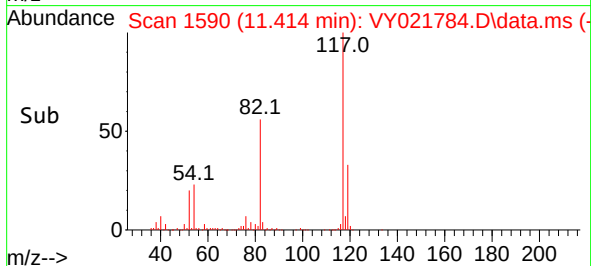
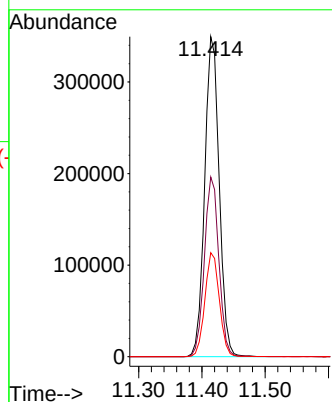
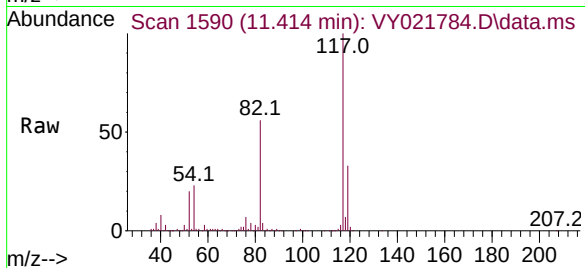
Tgt Ion:117 Resp: 558862

Ion Ratio Lower Upper

117 100

82 56.2 42.8 64.2

119 32.5 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: VY021784.D

Acq: 04 Apr 2025 14:37

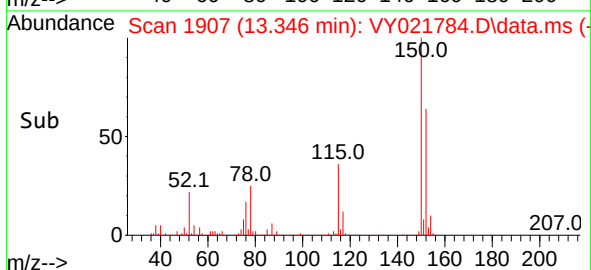
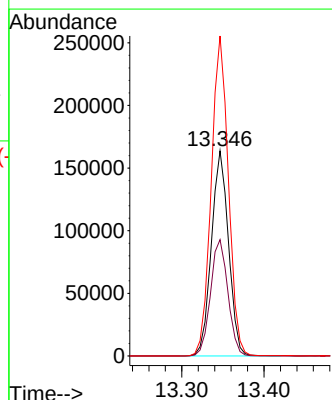
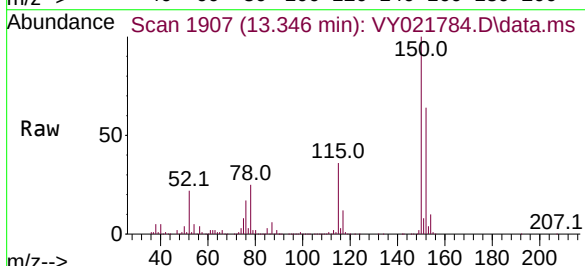
Tgt Ion:152 Resp: 236951

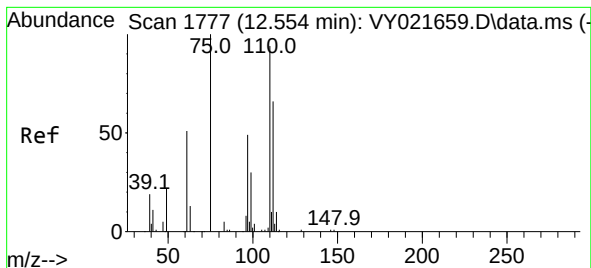
Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 156.0 0.0 348.4

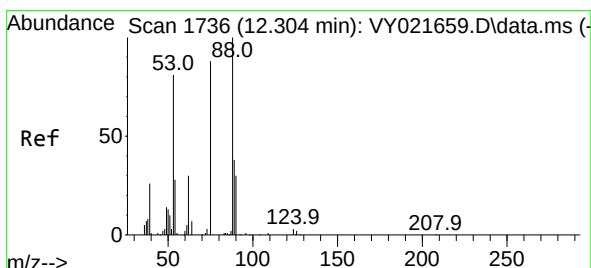
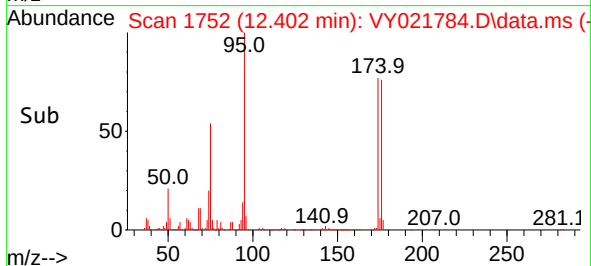
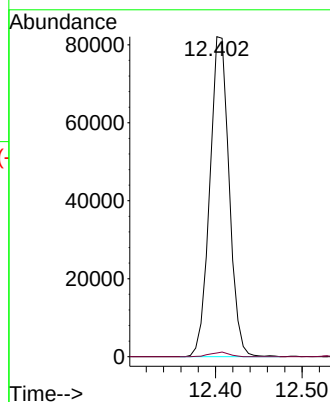
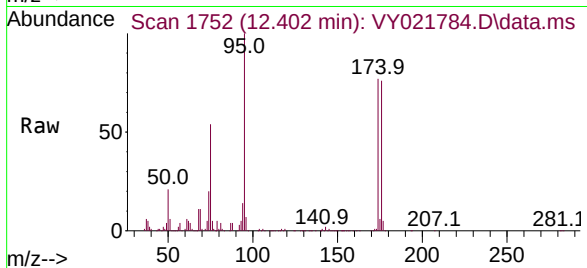




#76
1,2,3-Trichloropropane
Concen: 54.258 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-21-040325

Tgt Ion: 75 Resp: 127440
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.019 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021784.D
Acq: 04 Apr 2025 14:37

Tgt Ion: 75 Resp: 127440
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 36.2 54.4#

