

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

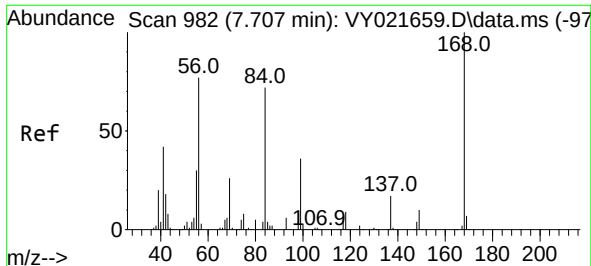
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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
11) Tert butyl alcohol	4.854	59	840	3.723	ug/l #	70
16) Acetone	3.873	43	22600	31.794	ug/l	100
18) Methyl Acetate	4.385	43	5441	3.088	ug/l	96
20) Methylene Chloride	4.616	84	3217	Below Cal	#	83
31) Cyclohexane	7.707	56	7395	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	26699	4.288	ug/l #	51
37) Ethyl Acetate	6.988	43	5217	1.776	ug/l #	89
38) Carbon Tetrachloride	7.707	117	33457	4.692	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	3664	1.264	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	136590	55.643	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	136590	128.212	ug/l #	12

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

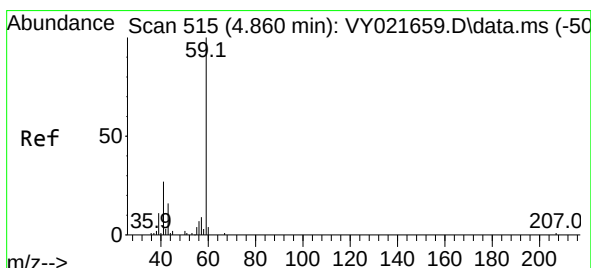
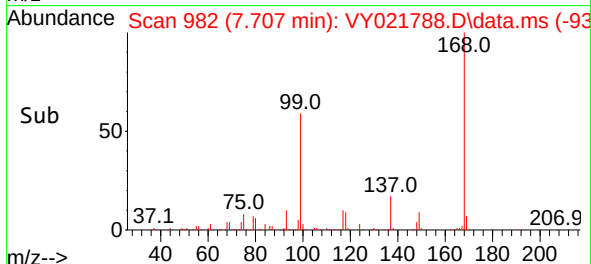
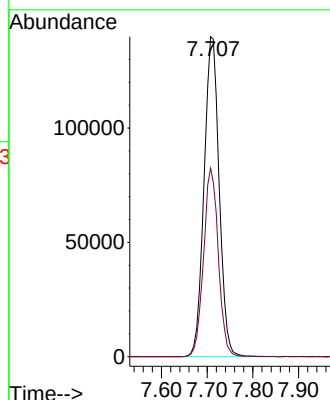
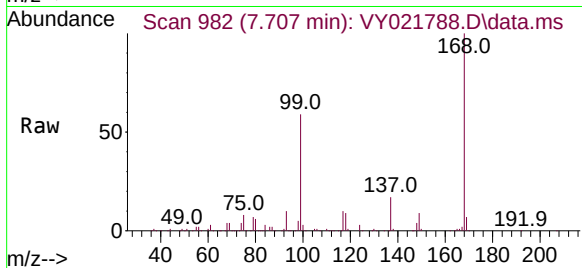




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

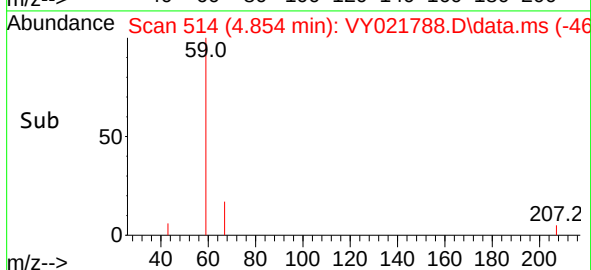
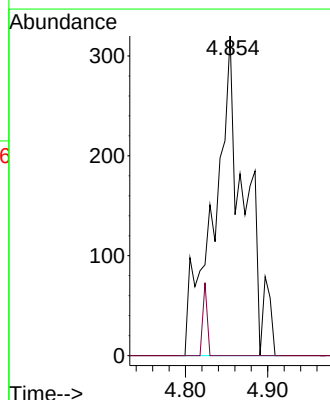
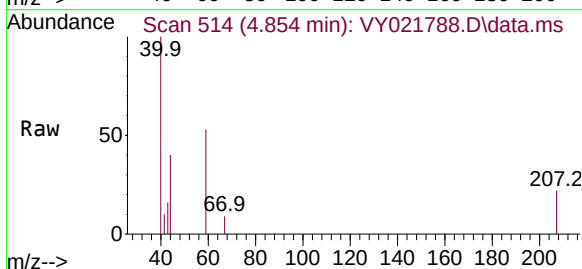
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

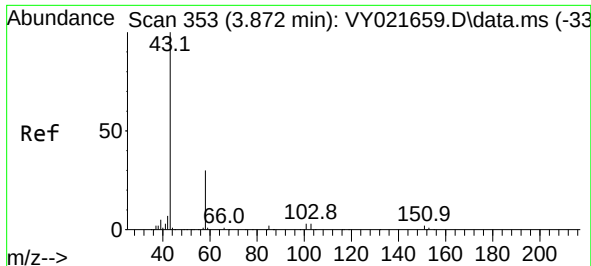
Tgt Ion:168 Resp: 320565
Ion Ratio Lower Upper
168 100
99 58.9 46.7 70.1



#11
Tert butyl alcohol
Concen: 3.723 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 59 Resp: 840
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#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

Instrument :

MSVOA_Y

ClientSampleId :

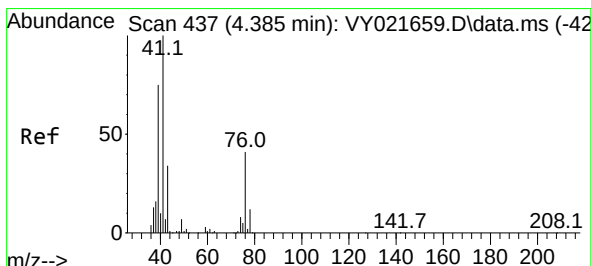
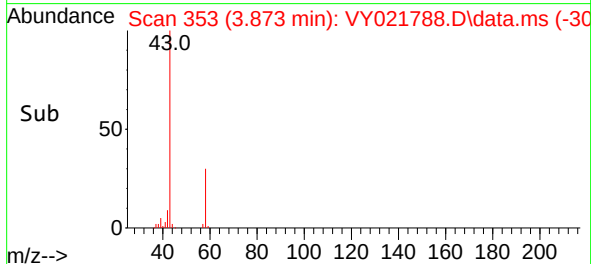
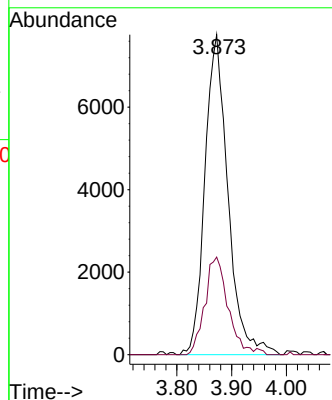
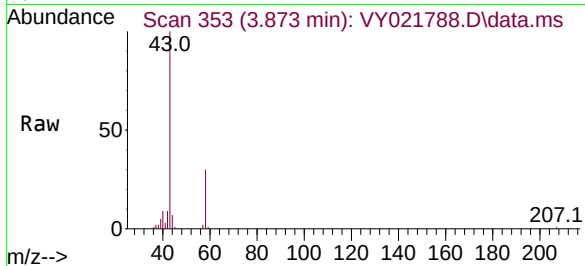
OU4-PCS-TC-25-040325

Tgt Ion: 43 Resp: 22600

Ion Ratio Lower Upper

43 100

58 30.5 24.2 36.4



#18

Methyl Acetate

Concen: 3.088 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021788.D

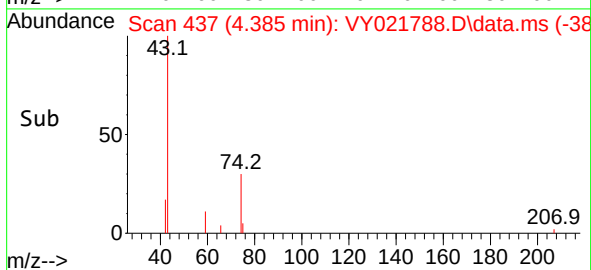
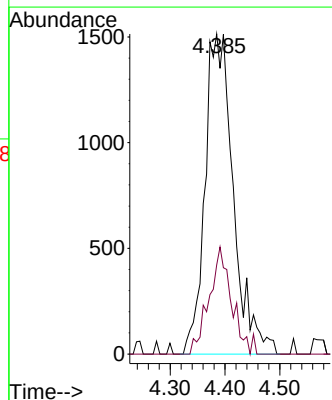
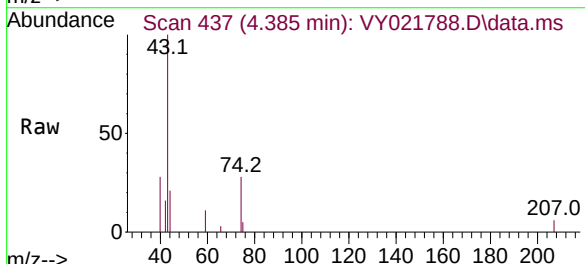
Acq: 04 Apr 2025 16:11

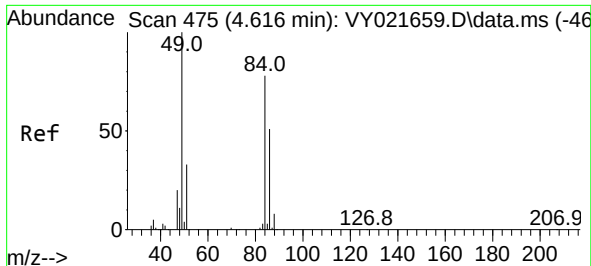
Tgt Ion: 43 Resp: 5441

Ion Ratio Lower Upper

43 100

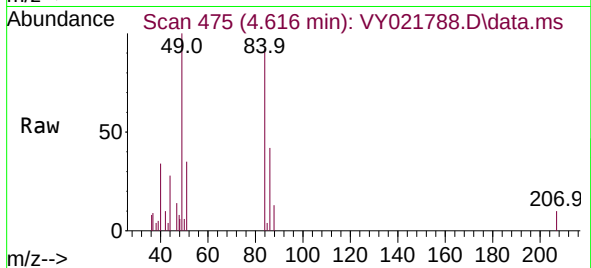
74 26.0 19.1 28.7



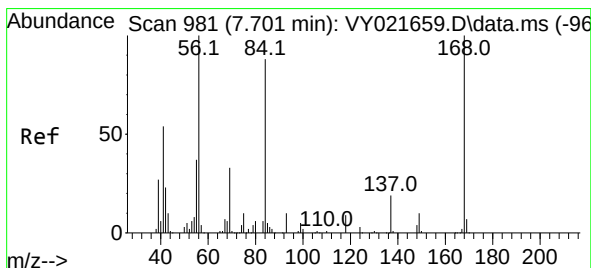
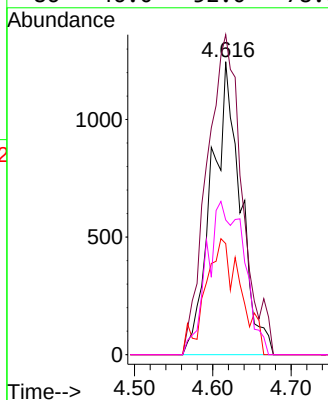
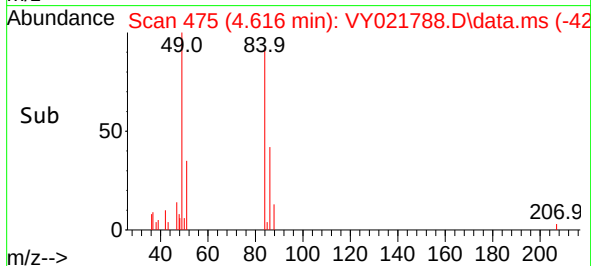


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

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

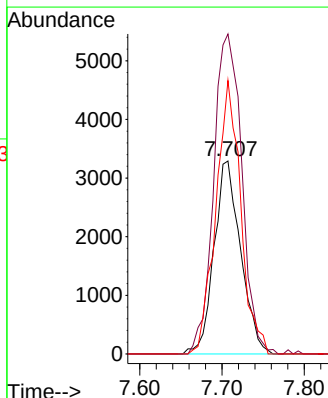
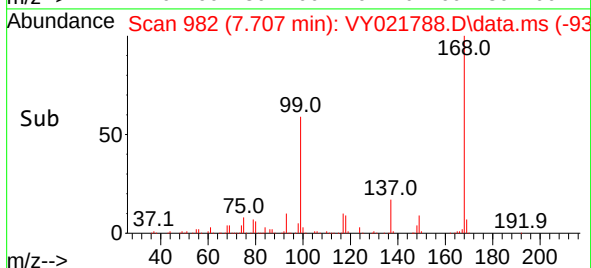
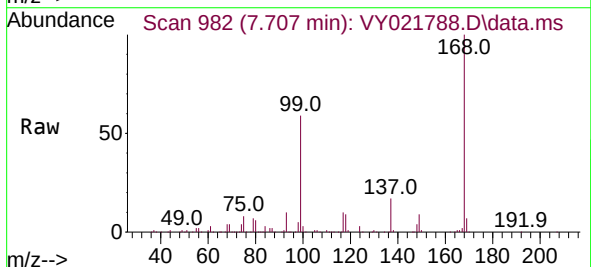


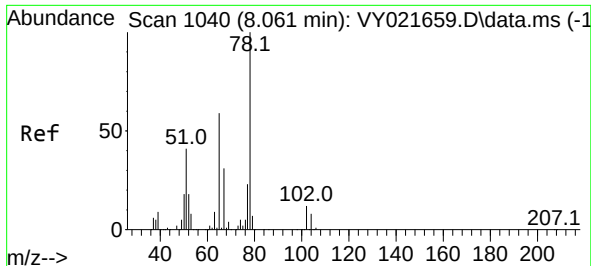
Tgt Ion:	84	Resp:	3217
Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.8	154.2
51	37.9	33.5	50.3
86	46.0	52.0	78.0



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion:	56	Resp:	7395
Ion	Ratio	Lower	Upper
56	100		
69	165.8	26.6	40.0
84	141.6	69.0	103.4

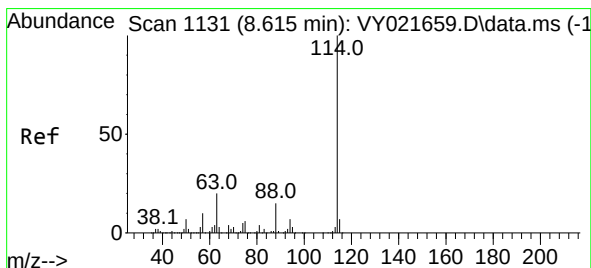
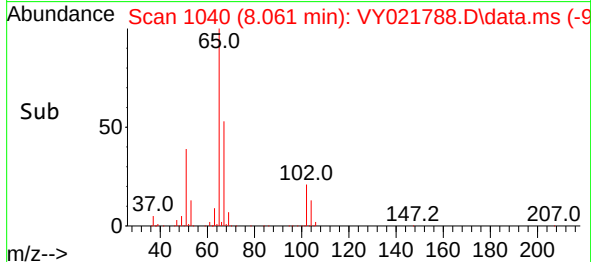
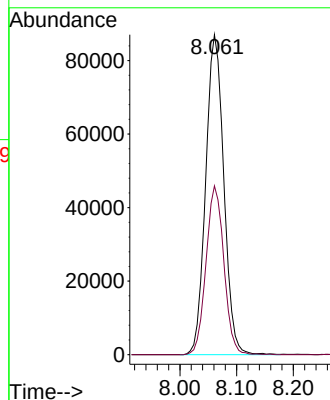
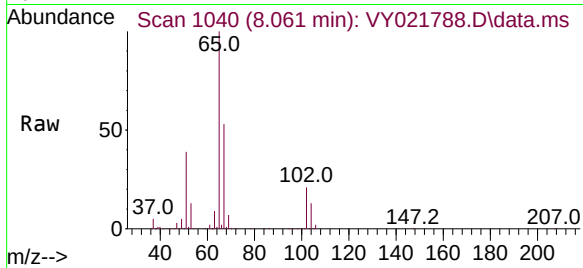




#33
1,2-Dichloroethane-d4
Concen: 55.628 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

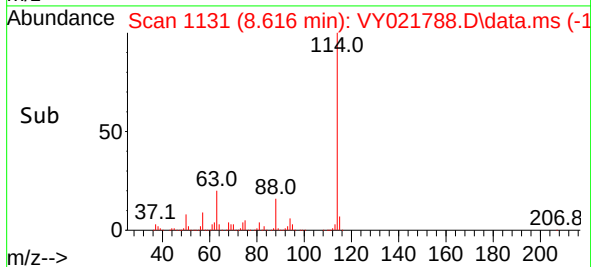
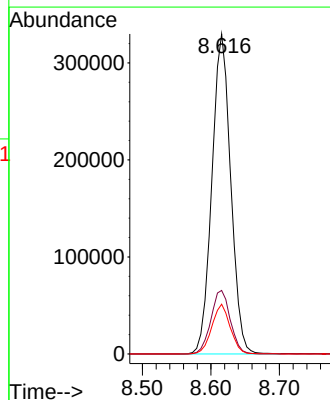
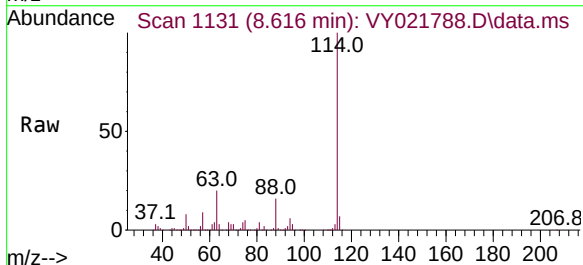
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

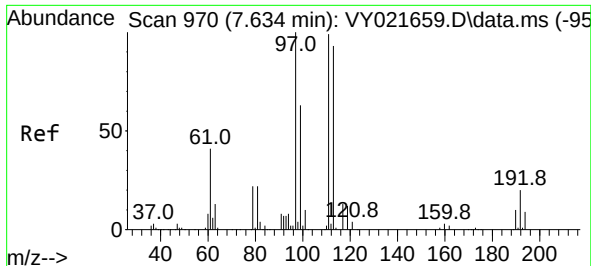
Tgt Ion: 65 Resp: 193209
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6



#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

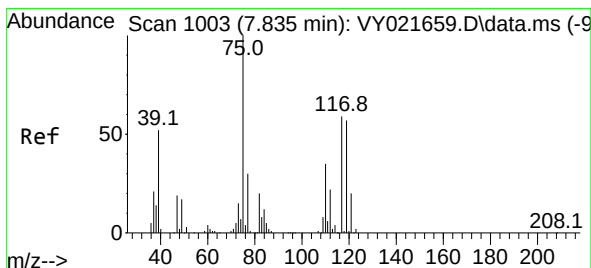
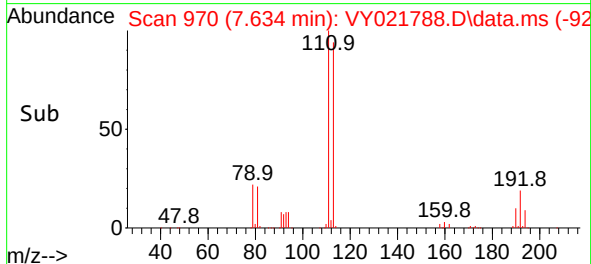
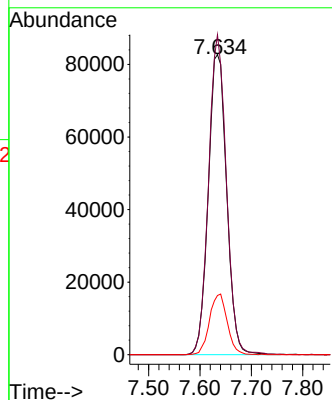
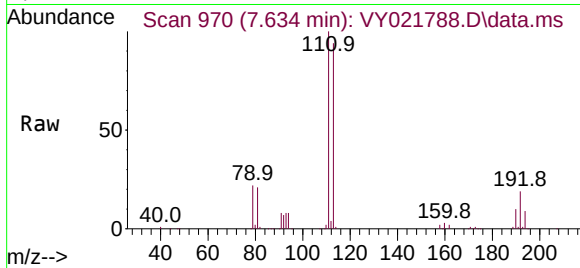




#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

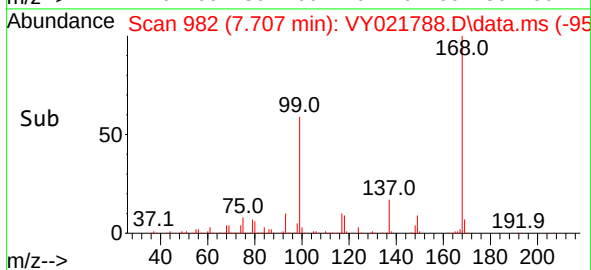
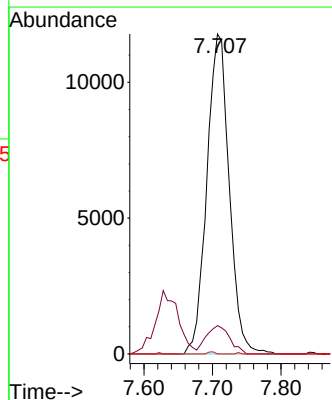
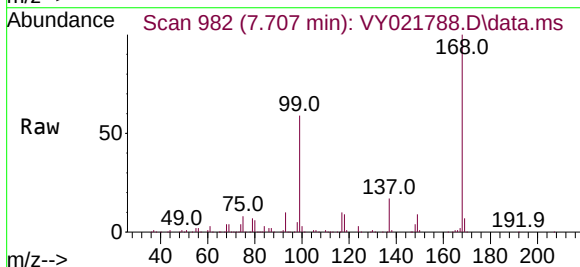
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

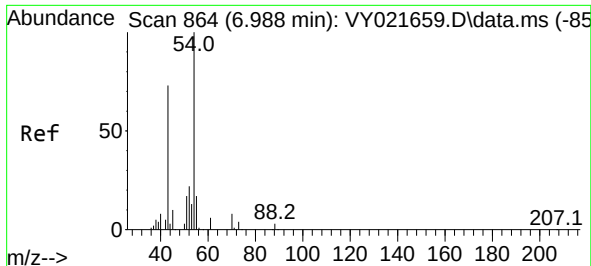
Tgt Ion:113 Resp: 206030
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.288 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 75 Resp: 26699
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.2 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.776 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY021788.D

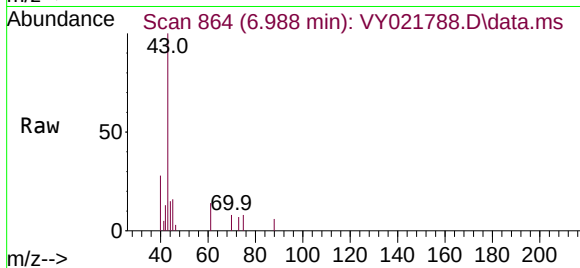
Acq: 04 Apr 2025 16:11

Instrument :

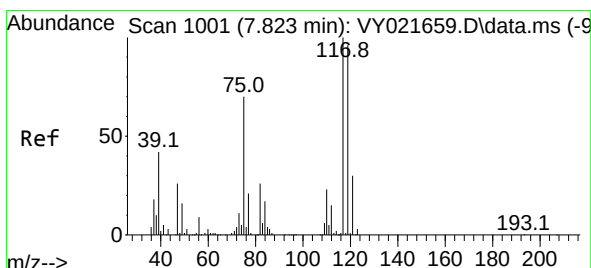
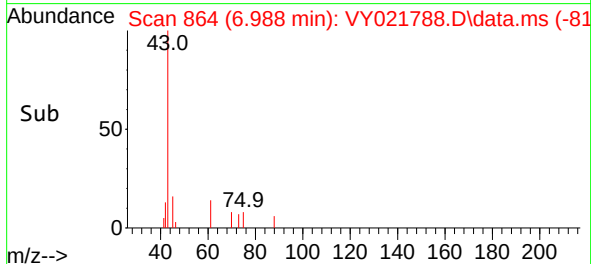
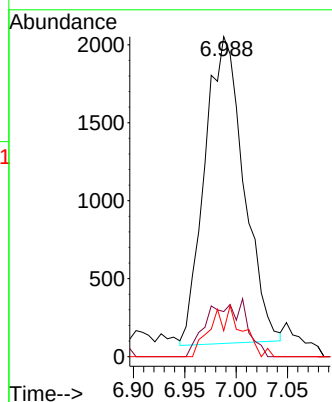
MSVOA_Y

ClientSampleId :

OU4-PCS-TC-25-040325



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



#38

Carbon Tetrachloride

Concen: 4.692 ug/l

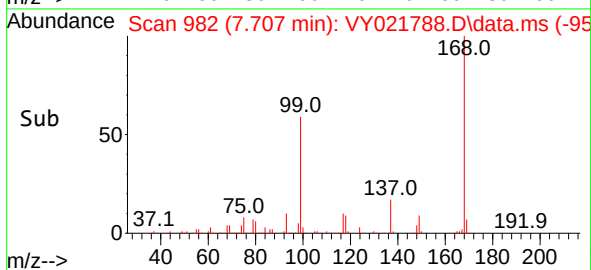
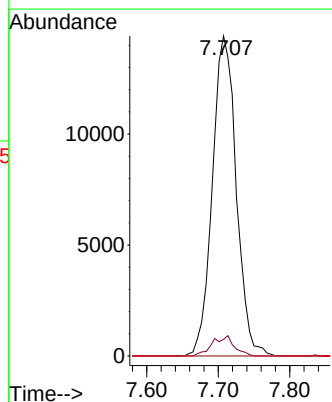
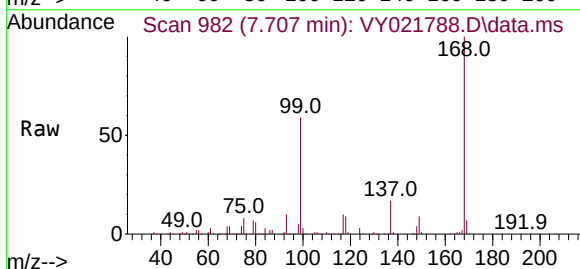
RT: 7.707 min Scan# 982

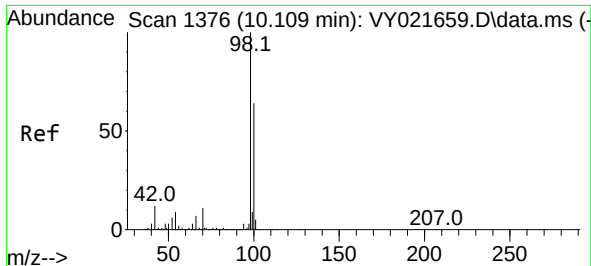
Delta R.T. -0.116 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

Tgt Ion:	117	Resp:	33457
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.4#
121	0.0	24.2	36.4#

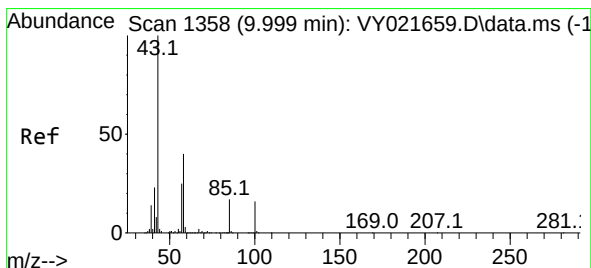
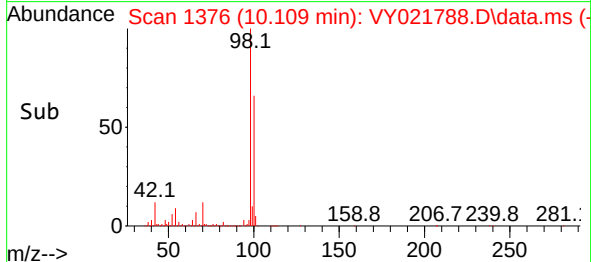
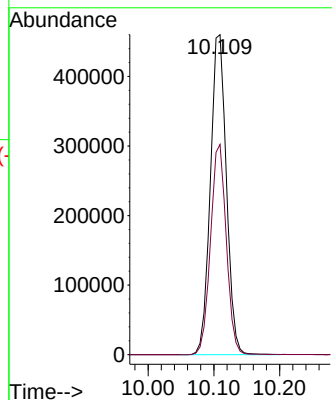
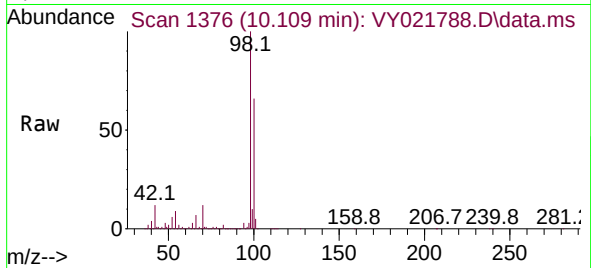




#50
Toluene-d8
Concen: 50.164 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

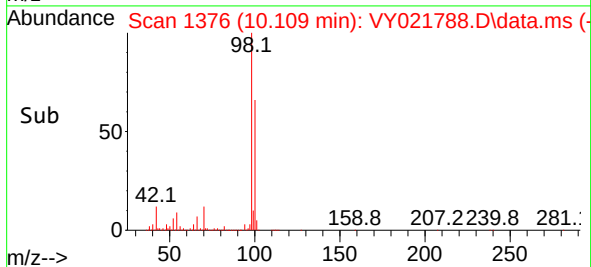
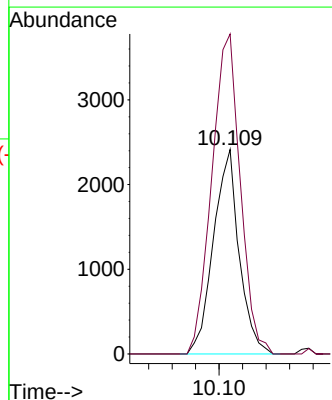
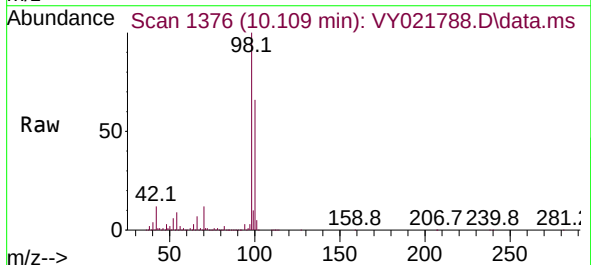
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-25-040325

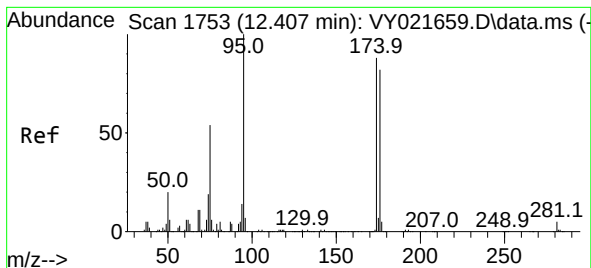
Tgt Ion: 98 Resp: 780046
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.264 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021788.D
Acq: 04 Apr 2025 16:11

Tgt Ion: 43 Resp: 3664
Ion Ratio Lower Upper
43 100
58 173.6 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 48.542 ug/l

RT: 12.408 min Scan# 1

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

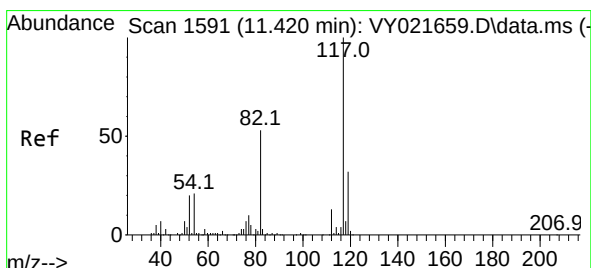
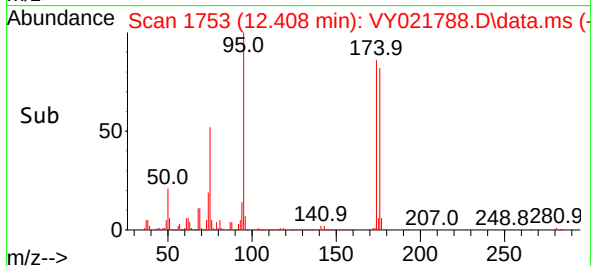
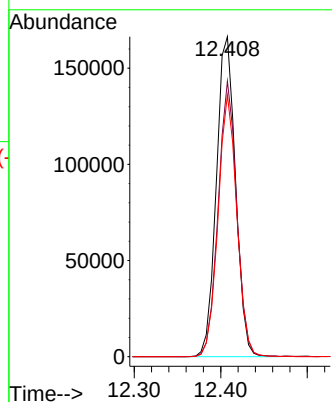
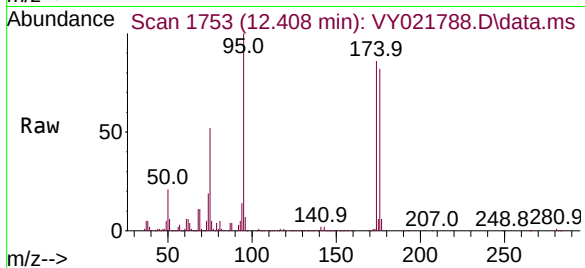
Tgt Ion: 95 Resp: 255317

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# 1590

Delta R.T. -0.006 min

Lab File: VY021788.D

Acq: 04 Apr 2025 16:11

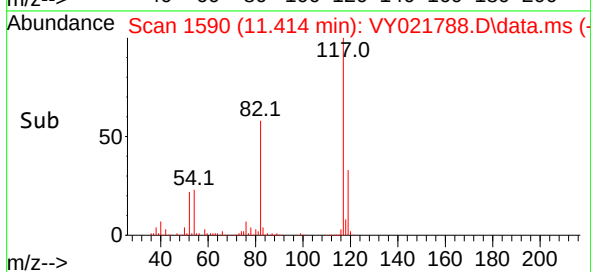
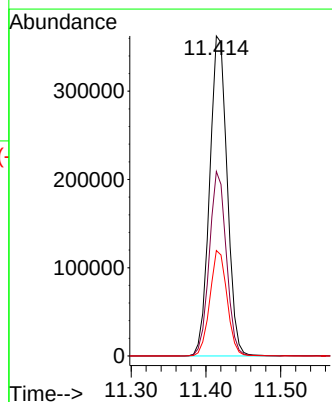
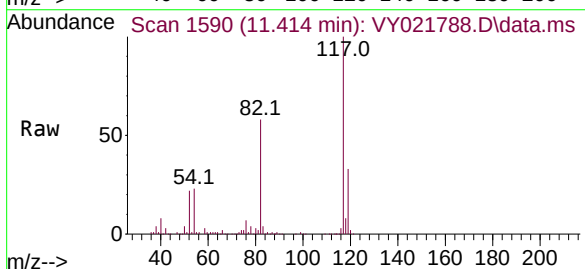
Tgt Ion: 117 Resp: 590211

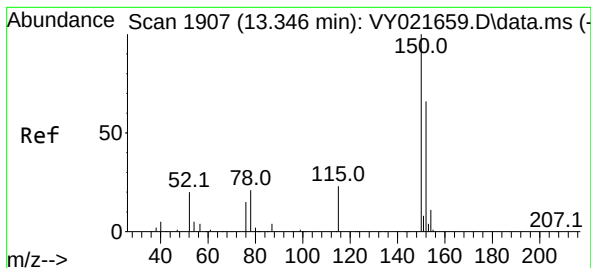
Ion Ratio Lower Upper

117 100

82 57.7 42.8 64.2

119 33.0 25.7 38.5

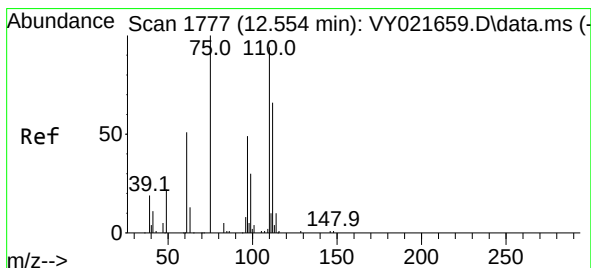
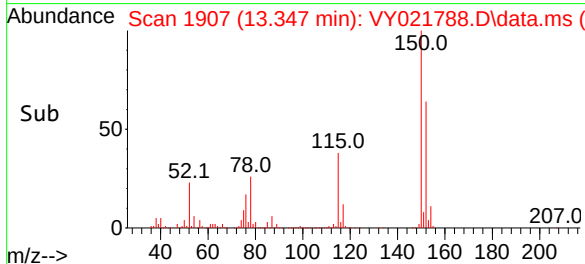
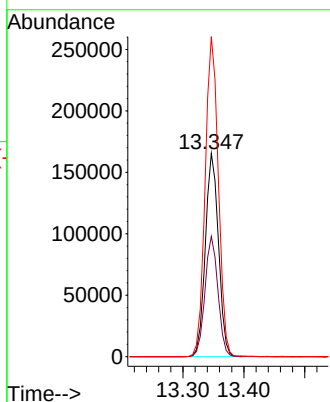
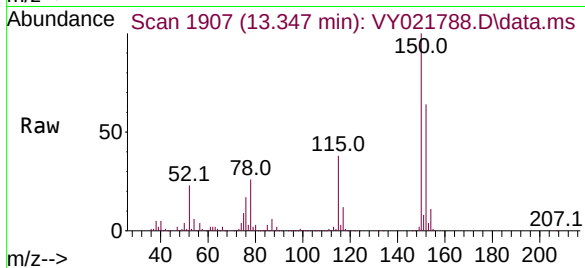




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021788.D
 Acq: 04 Apr 2025 16:11

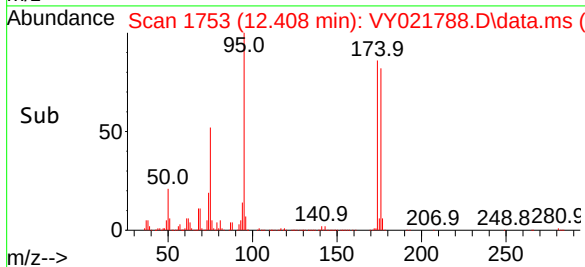
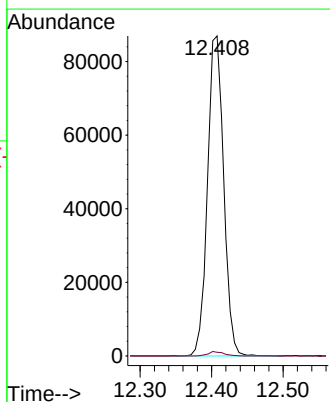
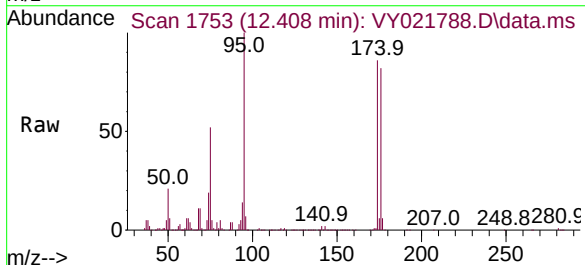
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-25-040325

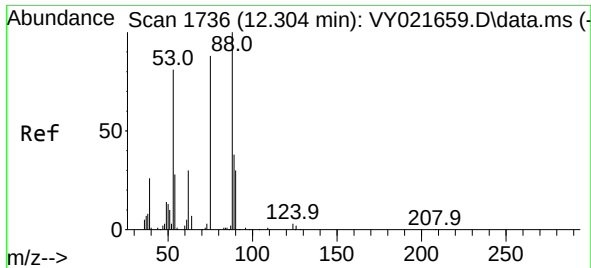
Tgt Ion:152 Resp: 247639
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.8 86.5
 150 158.2 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.643 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021788.D
 Acq: 04 Apr 2025 16:11

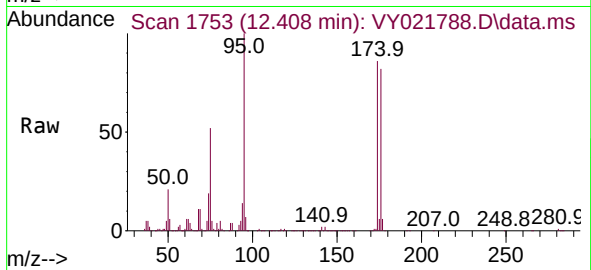
Tgt Ion: 75 Resp: 136590
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.212 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021788.D
 Acq: 04 Apr 2025 16:11

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



Tgt Ion: 75 Resp: 136590
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

