

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021786.D
 Acq On : 04 Apr 2025 15:24
 Operator : SY/MD
 Sample : Q1730-11
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-23-040325

Quant Time: Apr 04 23:40:28 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)

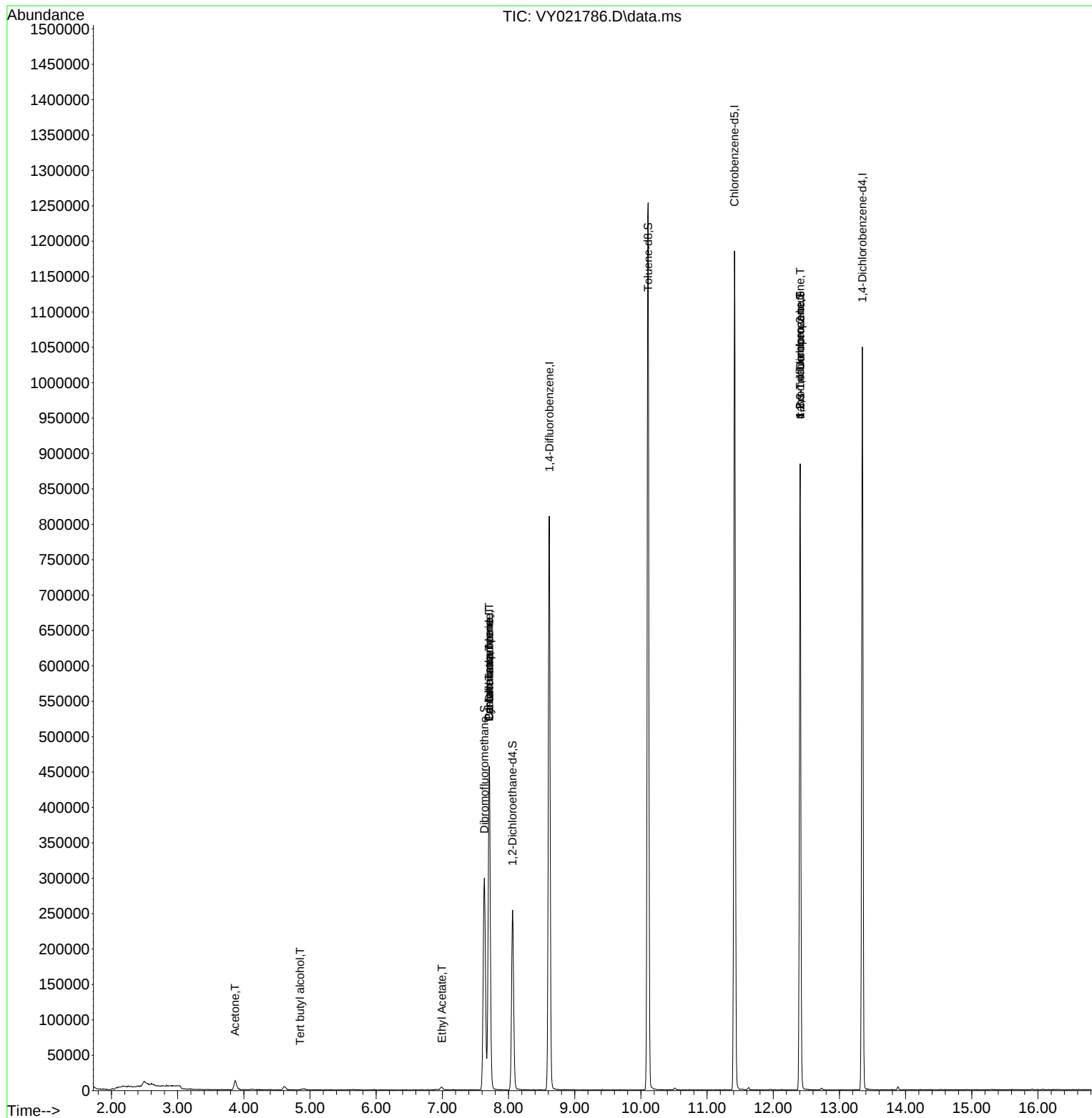
Internal Standards						
1) Pentafluorobenzene	7.707	168	341604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	662745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	606680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200040	54.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.100%			
35) Dibromofluoromethane	7.634	113	213518	49.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.109	98	813418	49.735	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.408	95	260762	47.136	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	948	3.943	ug/l #	70
16) Acetone	3.867	43	22926	30.266	ug/l	95
20) Methylene Chloride	4.616	84	3087	Below Cal		91
31) Cyclohexane	7.707	56	7603	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28075	4.287	ug/l #	51
37) Ethyl Acetate	6.994	43	5812	1.881	ug/l #	88
38) Carbon Tetrachloride	7.707	117	35570	4.743	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	138091	55.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	138091	127.943	ug/l #	12

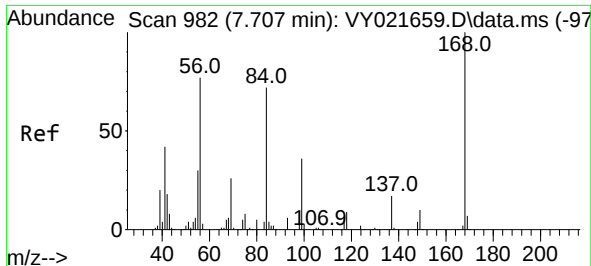
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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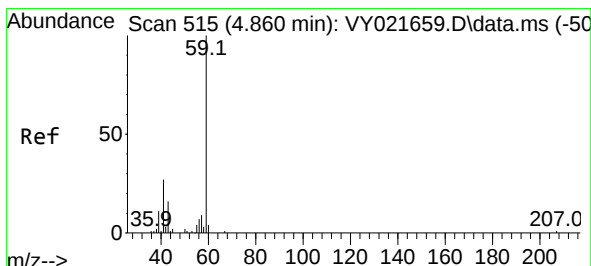
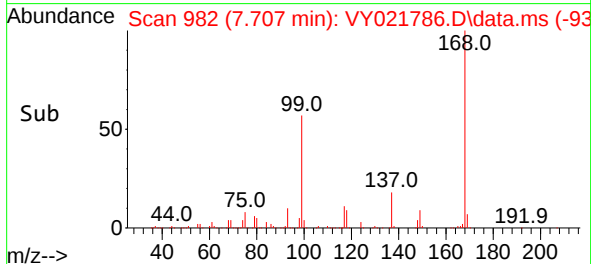
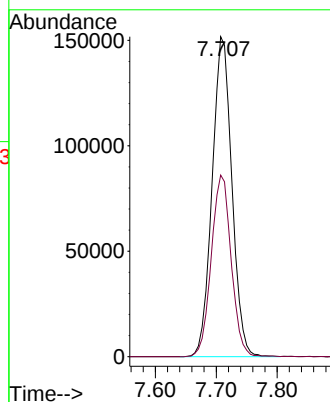
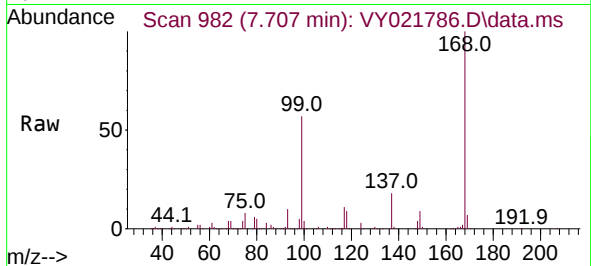




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

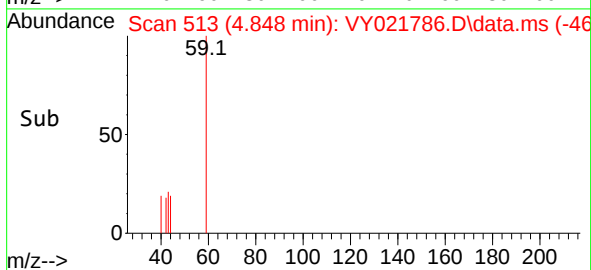
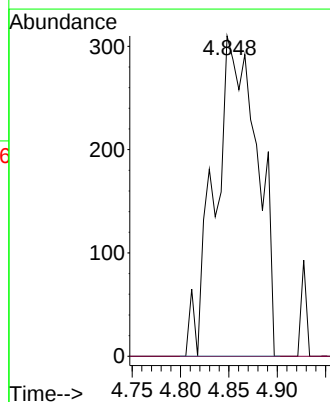
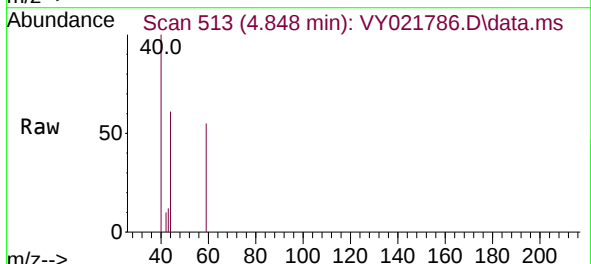
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

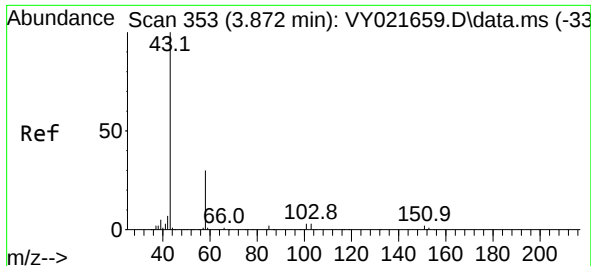
Tgt Ion:168 Resp: 341604
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#11
Tert butyl alcohol
Concen: 3.943 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 59 Resp: 948
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

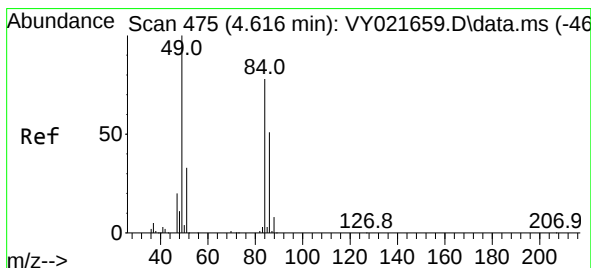
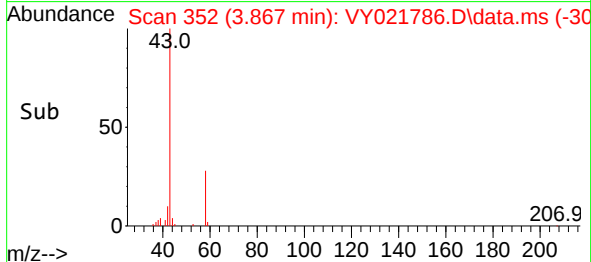
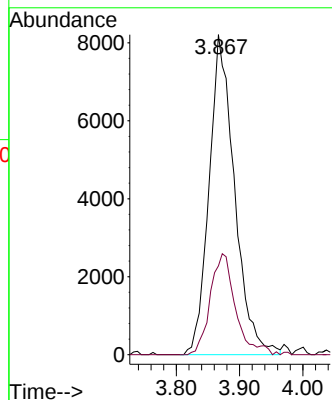
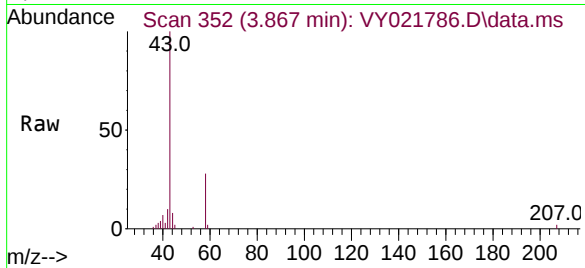




#16
Acetone
Concen: 30.266 ug/l
RT: 3.867 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

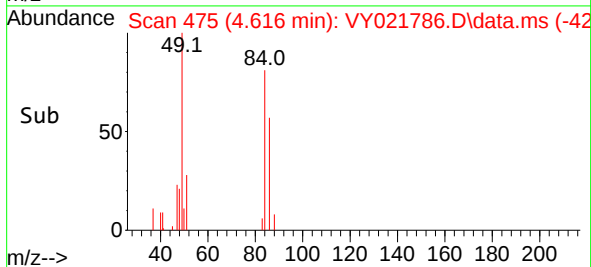
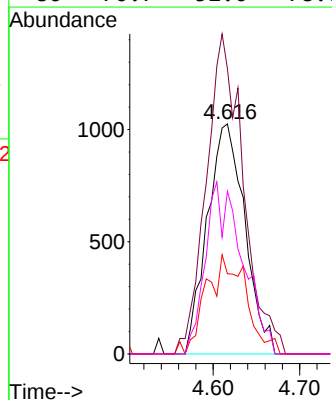
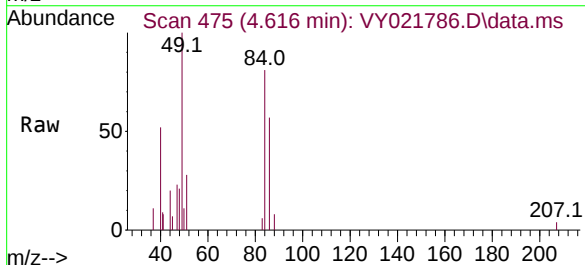
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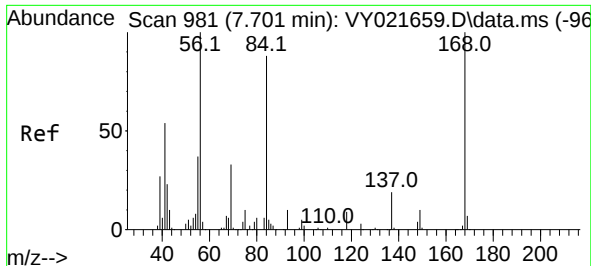
Tgt Ion: 43 Resp: 22926
Ion Ratio Lower Upper
43 100
58 27.8 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 84 Resp: 3087
Ion Ratio Lower Upper
84 100
49 117.4 102.8 154.2
51 34.8 33.5 50.3
86 70.7 52.0 78.0

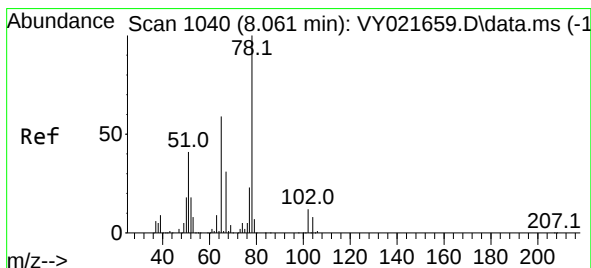
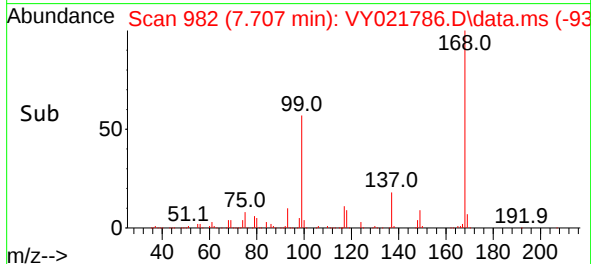
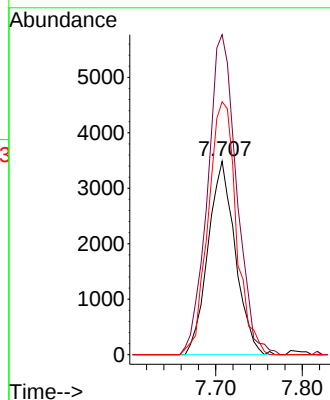
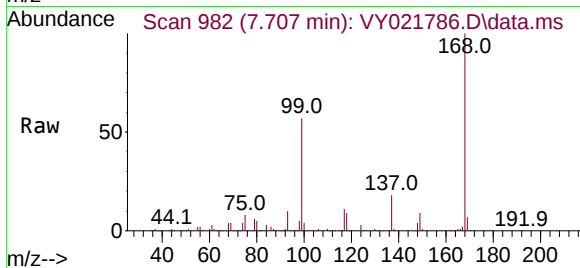




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

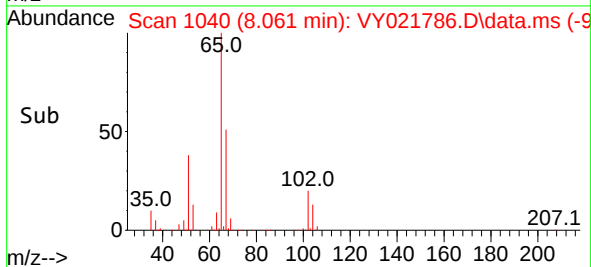
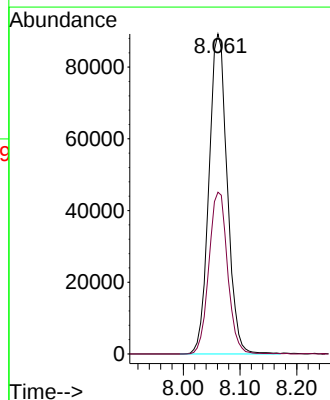
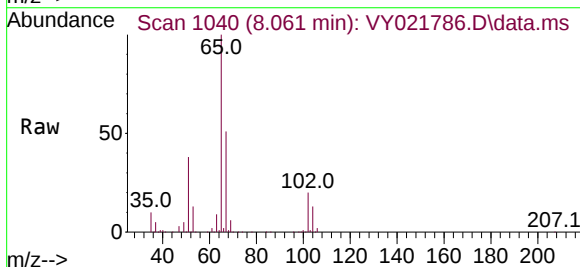
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-23-040325

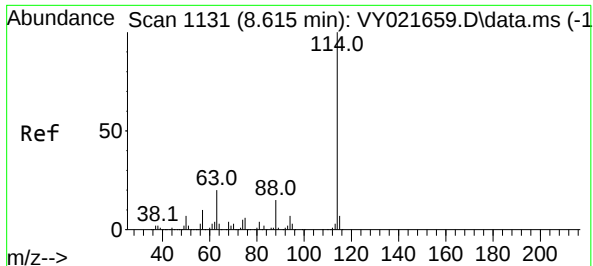
Tgt Ion: 56 Resp: 7603
Ion Ratio Lower Upper
56 100
69 165.4 26.6 40.0#
84 130.7 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 54.048 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 65 Resp: 200040
Ion Ratio Lower Upper
65 100
67 51.6 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: VY021786.D

Acq: 04 Apr 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325

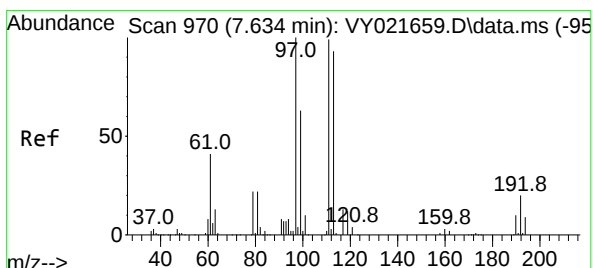
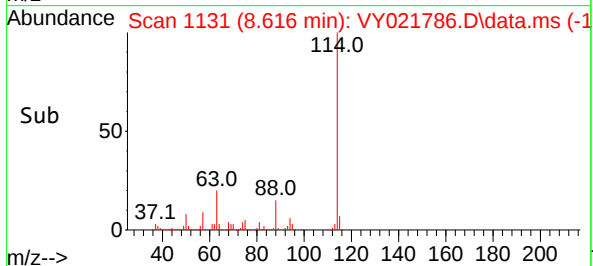
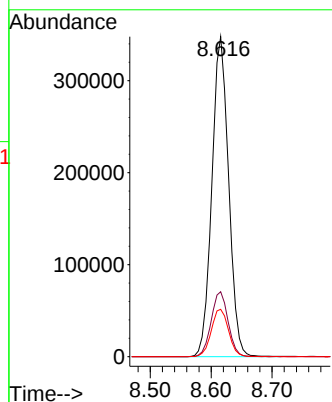
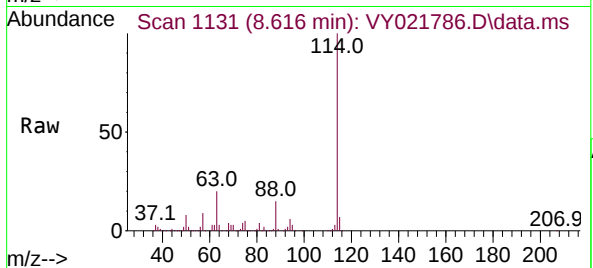
Tgt Ion:114 Resp: 662745

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 49.666 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

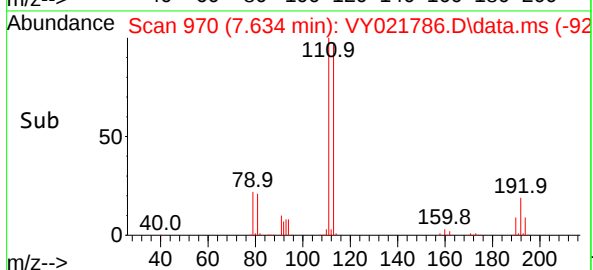
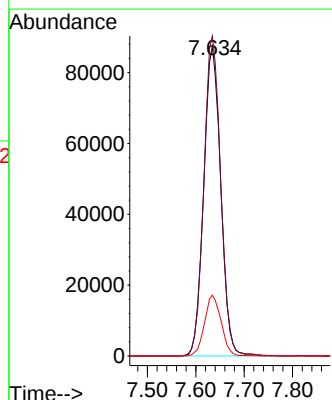
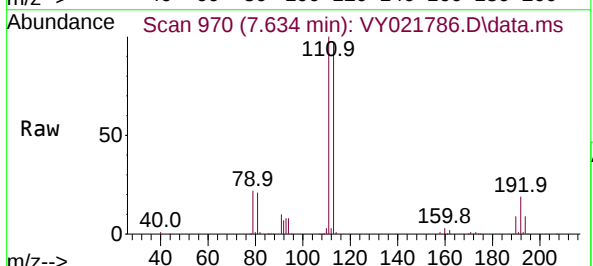
Tgt Ion:113 Resp: 213518

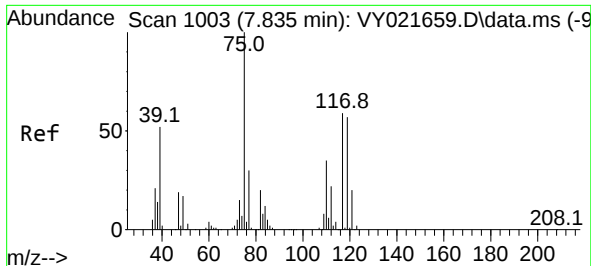
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.2 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.287 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021786.D

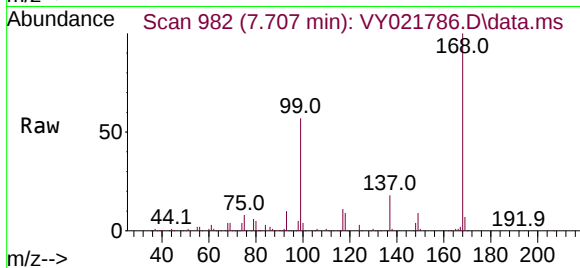
Acq: 04 Apr 2025 15:24

Instrument :

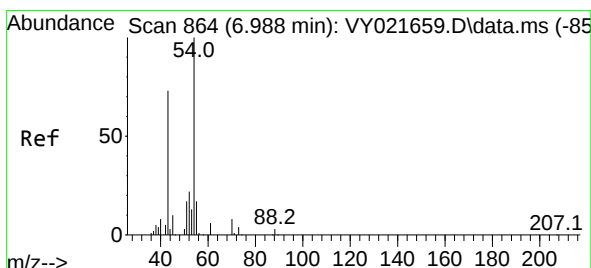
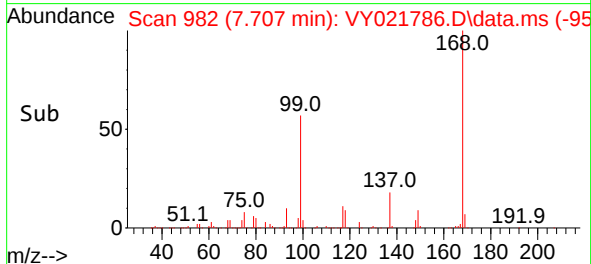
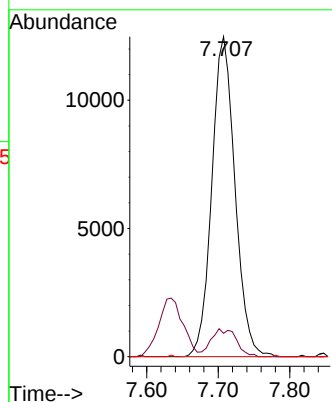
MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325



Tgt Ion:	75	Resp:	28075
Ion Ratio	100	Lower	Upper
110	9.6	17.0	50.9#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 1.881 ug/l

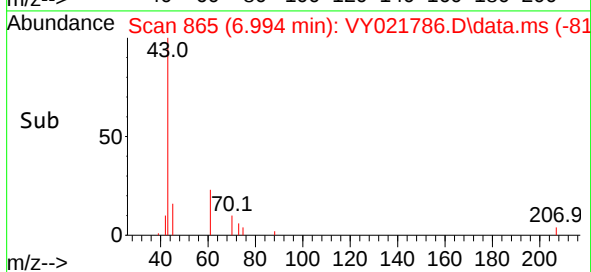
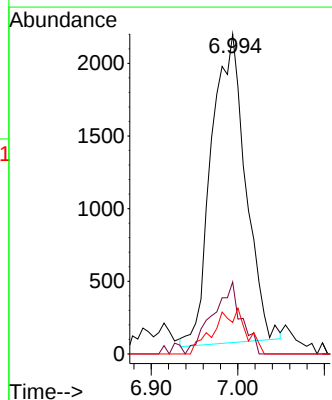
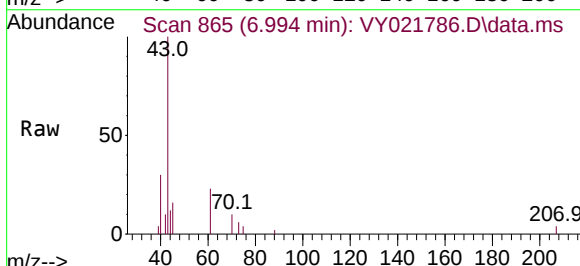
RT: 6.994 min Scan# 865

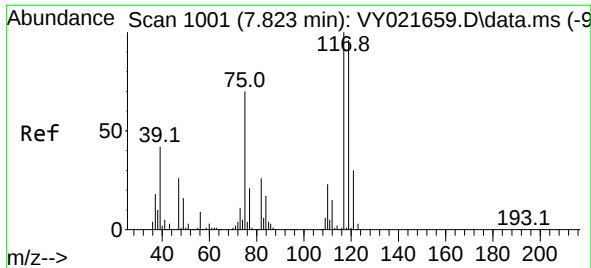
Delta R.T. 0.006 min

Lab File: VY021786.D

Acq: 04 Apr 2025 15:24

Tgt Ion:	43	Resp:	5812
Ion Ratio	100	Lower	Upper
61	19.5	11.0	16.6#
70	13.8	8.1	12.1#

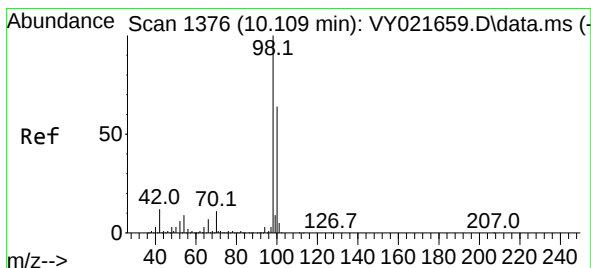
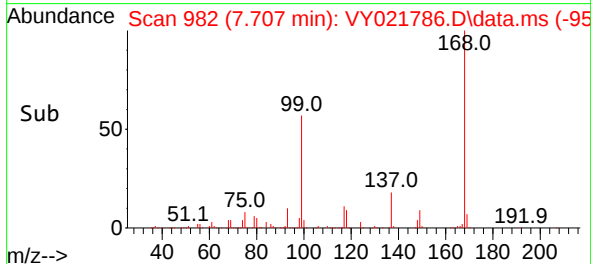
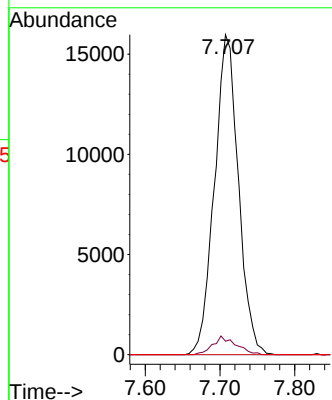
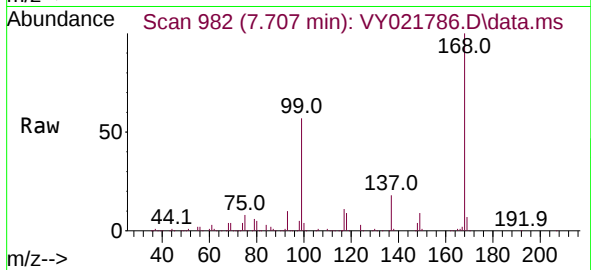




#38
Carbon Tetrachloride
Concen: 4.743 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

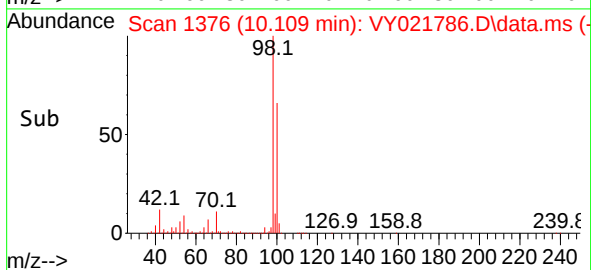
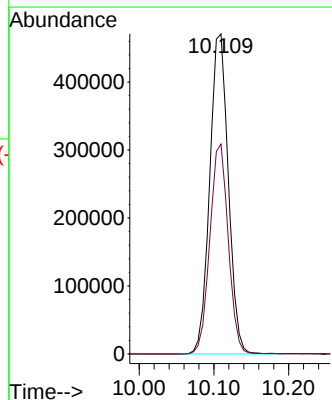
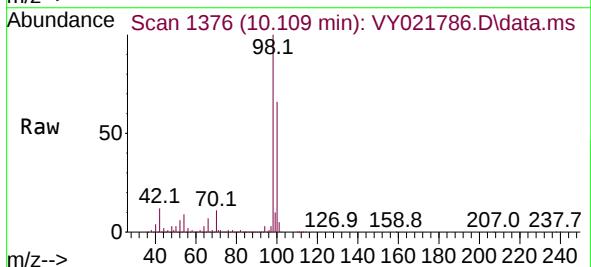
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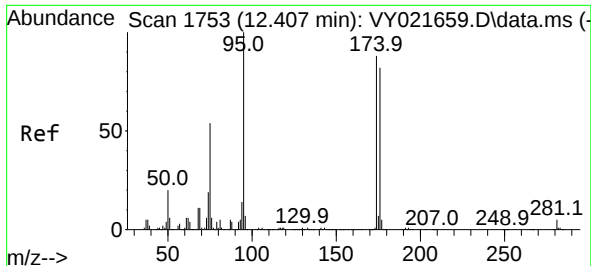
Tgt Ion:117 Resp: 35570
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.735 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 98 Resp: 813418
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

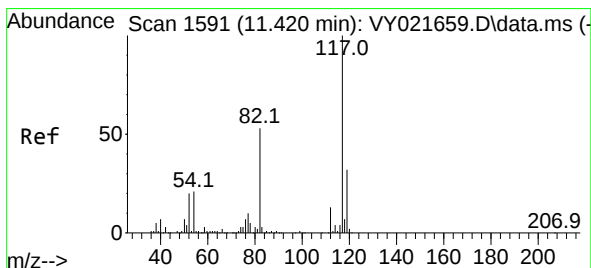
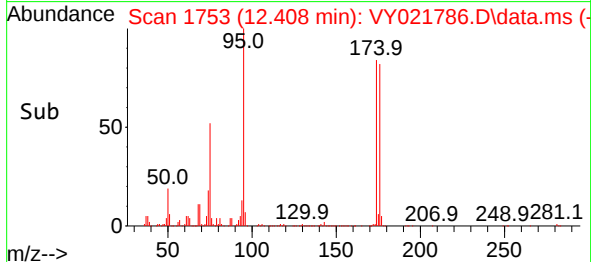
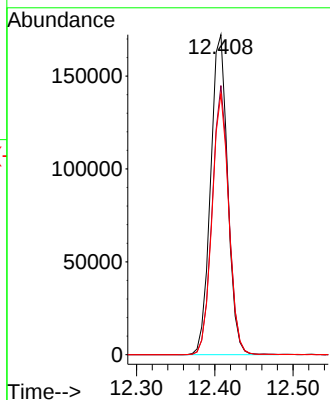
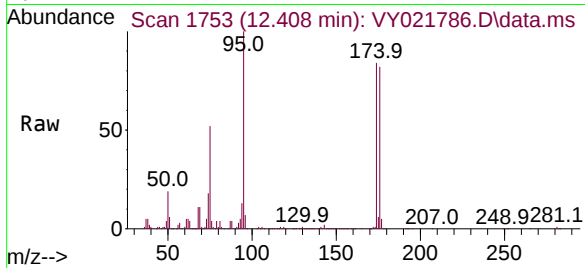




#62
4-Bromofluorobenzene
Concen: 47.136 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

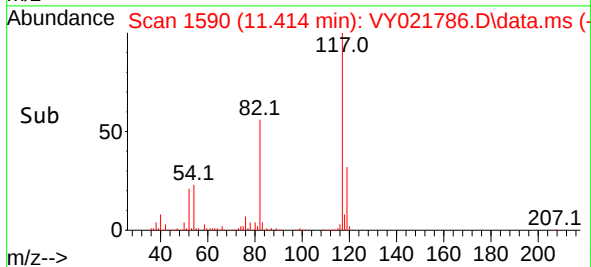
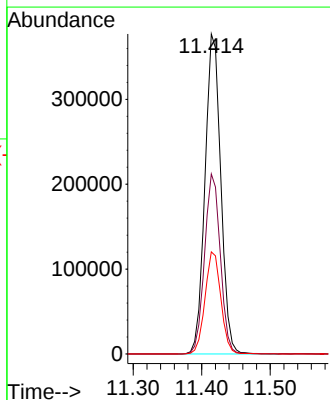
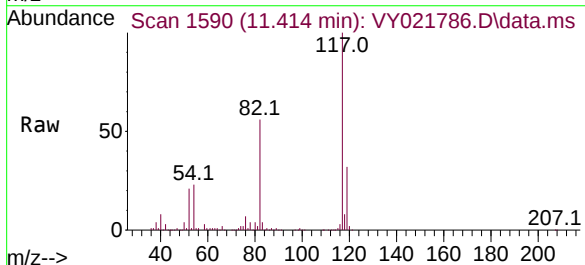
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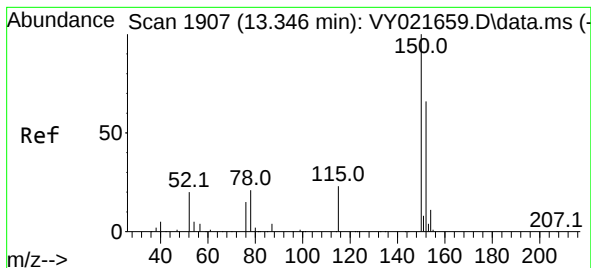
Tgt Ion: 95 Resp: 260762
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 80.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021786.D
Acq: 04 Apr 2025 15:24

Tgt Ion: 117 Resp: 606680
Ion Ratio Lower Upper
117 100
82 56.3 42.8 64.2
119 31.9 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: VY021786.D

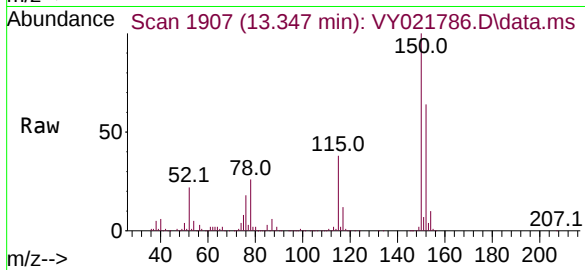
Acq: 04 Apr 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-23-040325



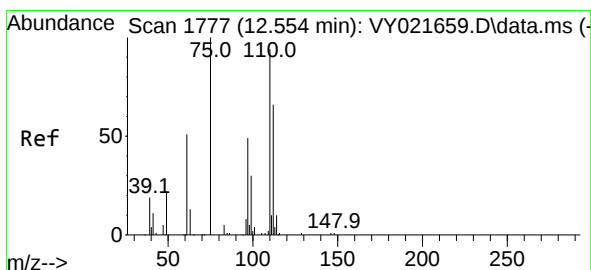
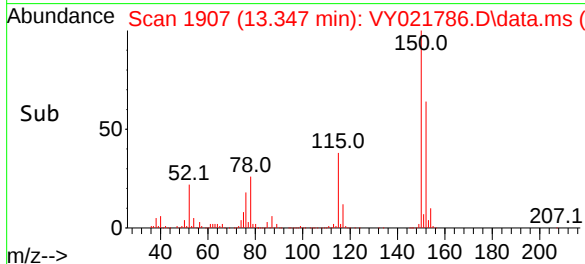
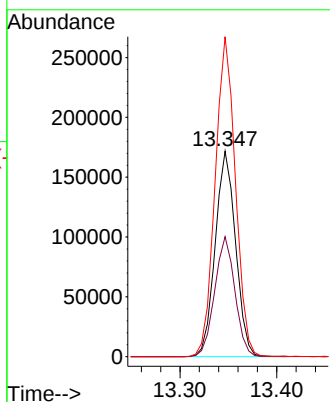
Tgt Ion:152 Resp: 250886

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 55.527 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021786.D

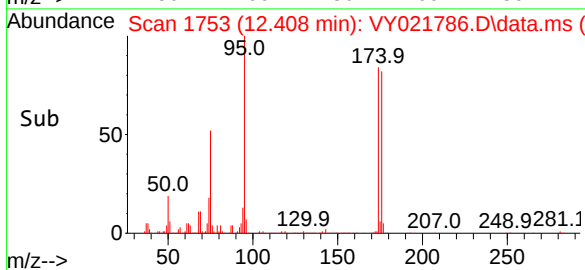
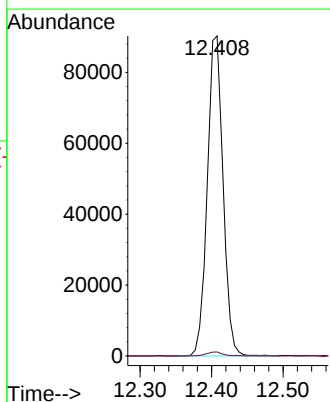
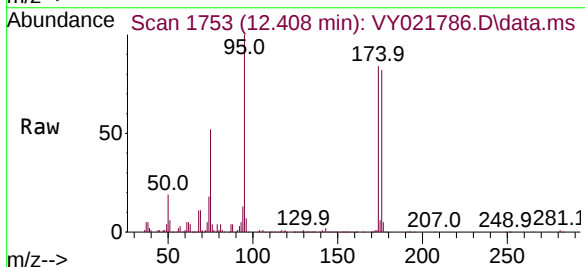
Acq: 04 Apr 2025 15:24

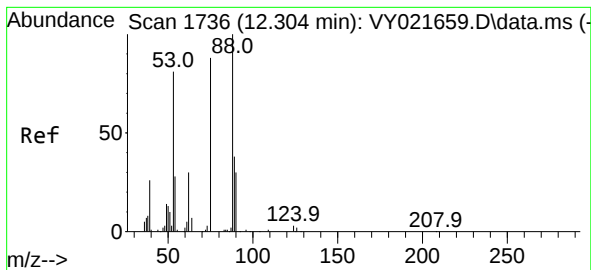
Tgt Ion: 75 Resp: 138091

Ion Ratio Lower Upper

75 100

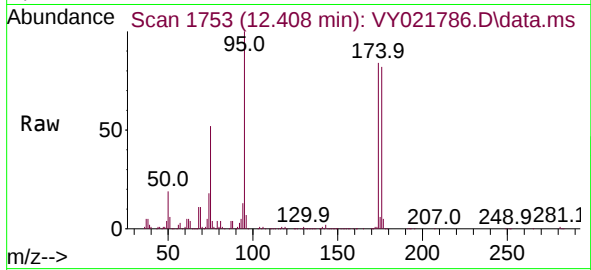
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.943 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021786.D
 Acq: 04 Apr 2025 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-23-040325



Tgt Ion: 75 Resp: 138091
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

