

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021086.D
 Acq On : 05 Feb 2025 14:14
 Operator : SY/MD
 Sample : Q1277-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 06 00:35:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	58949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	80551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	52673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	15056	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	17851	29.556	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	59.120%
35) Dibromofluoromethane	7.634	113	22589	43.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.520%
50) Toluene-d8	10.109	98	89696	45.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.280%
62) 4-Bromofluorobenzene	12.414	95	18371	28.613	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.220%

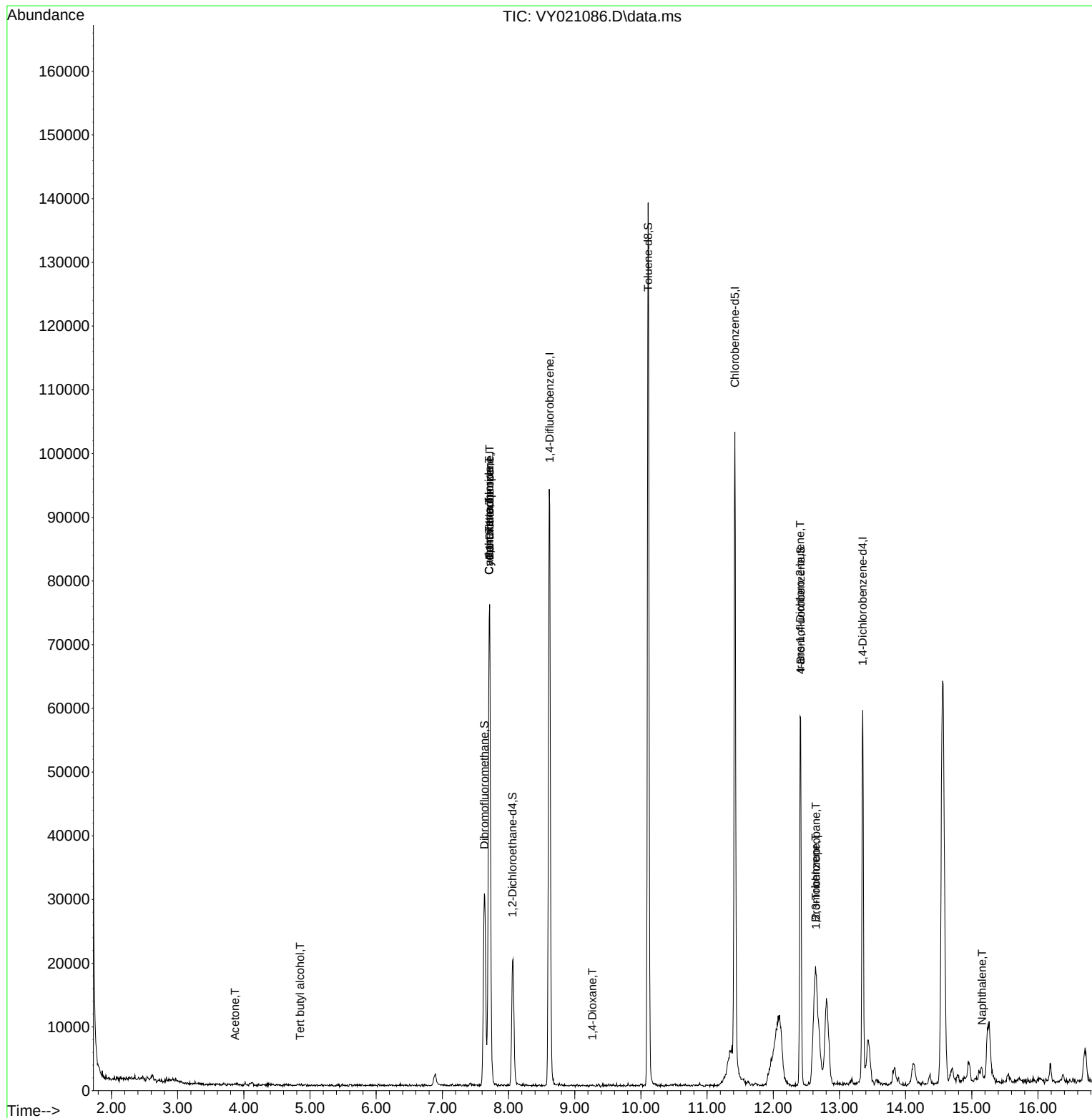
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	72	1.759	ug/l #	75
16) Acetone	3.867	43	263	2.792	ug/l #	41
31) Cyclohexane	7.707	56	1206	1.171	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	4854	6.348	ug/l #	46
38) Carbon Tetrachloride	7.707	117	5899	6.603	ug/l #	17
49) 1,4-Dioxane	9.268	88	19	6.921	ug/l #	25
76) 1,2,3-Trichloropropane	12.645	75	817	5.982	ug/l #	100
77) Bromobenzene	12.639	156	22599	83.268	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	9998	149.372	ug/l #	12
95) Naphthalene	15.157	128	2333	5.760	ug/l #	95

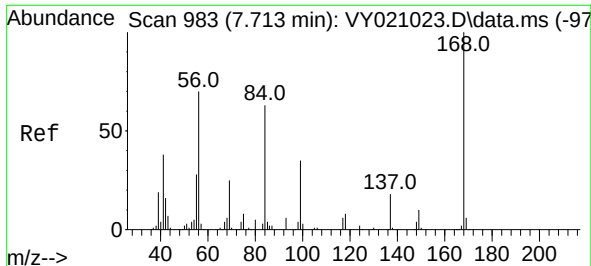
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY020525\
Data File : VY021086.D
Acq On : 05 Feb 2025 14:14
Operator : SY/MD
Sample : Q1277-01
Misc : 5.04g/5.0mL/MSV0A_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :

Quant Time: Feb 06 00:35:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

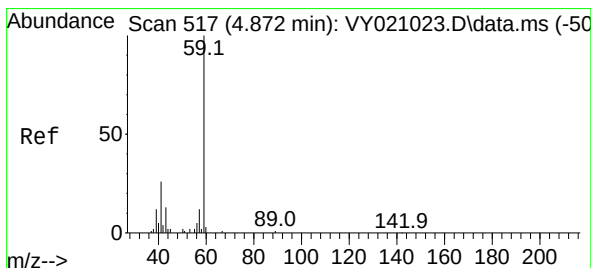
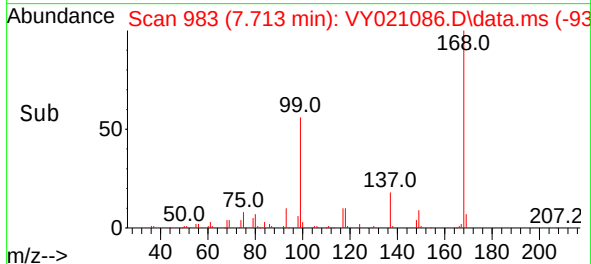
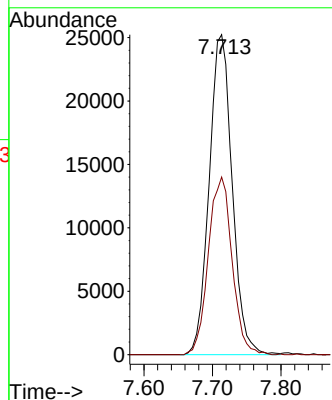
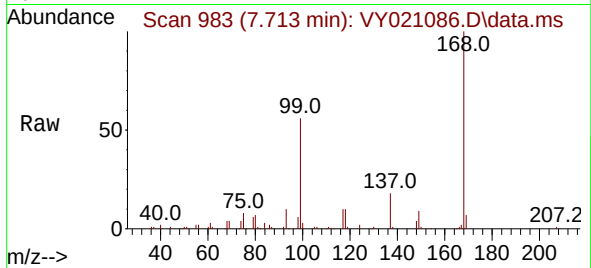




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

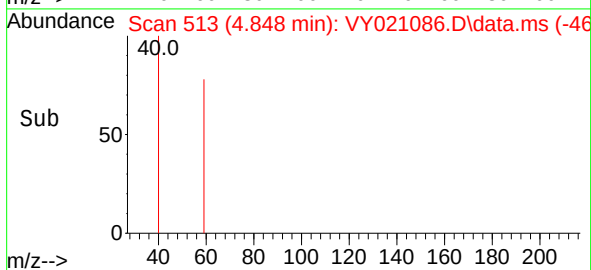
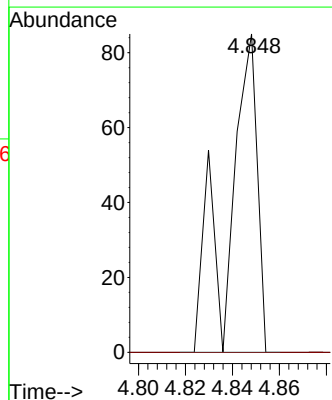
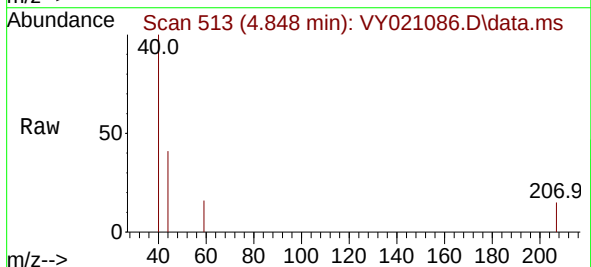
Instrument :
MSVOA_Y
ClientSampleId :

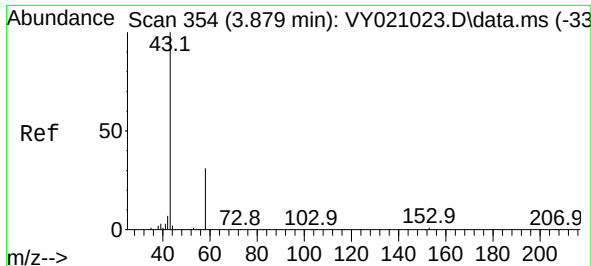
Tgt Ion:168 Resp: 58949
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.759 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

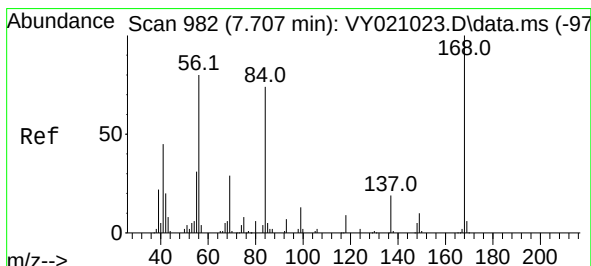
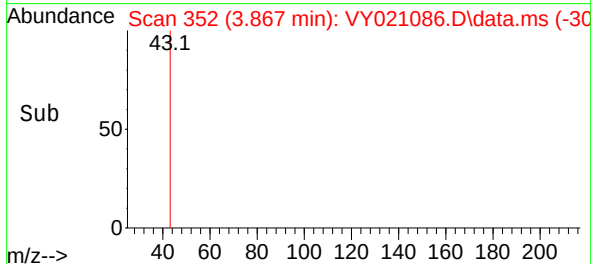
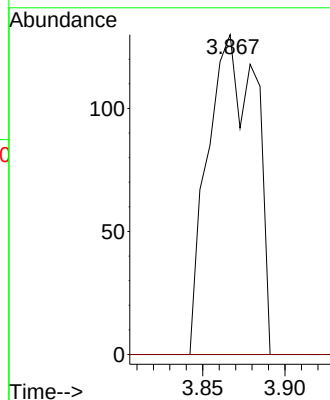
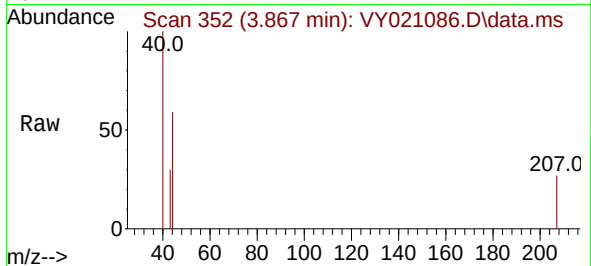




#16
Acetone
Concen: 2.792 ug/l
RT: 3.867 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

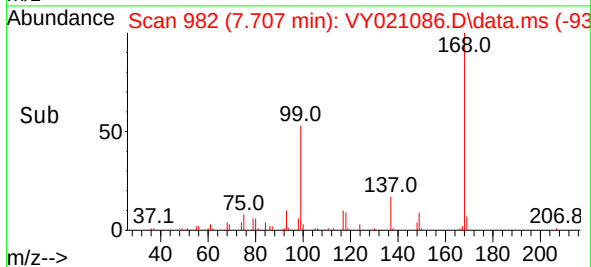
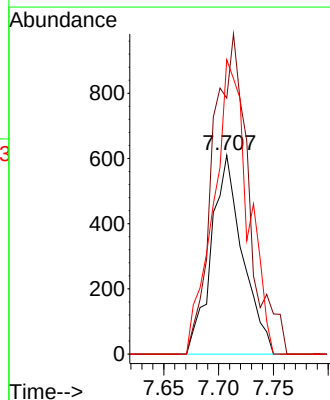
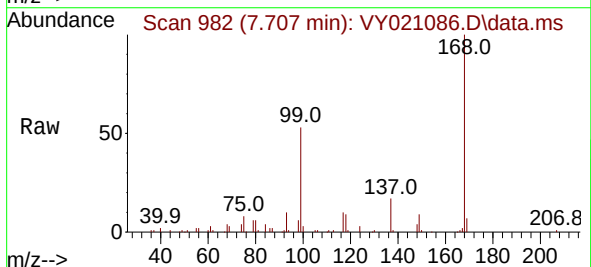
Instrument :
MSVOA_Y
ClientSampleId :

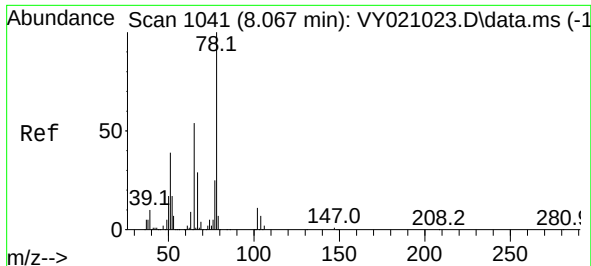
Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

Tgt Ion: 56 Resp: 1206
Ion Ratio Lower Upper
56 100
69 128.7 27.0 40.6#
84 148.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 29.556 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

Instrument :

MSVOA_Y

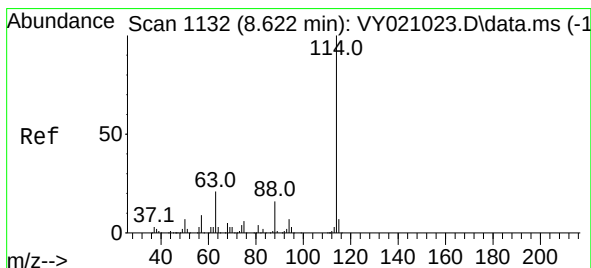
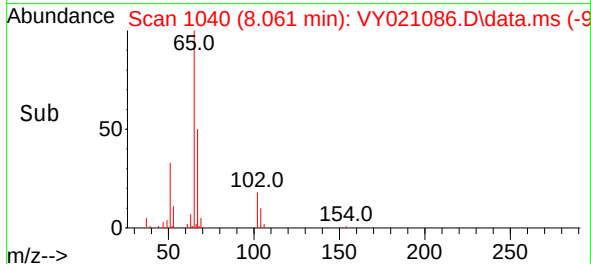
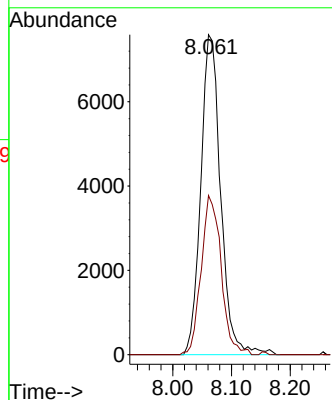
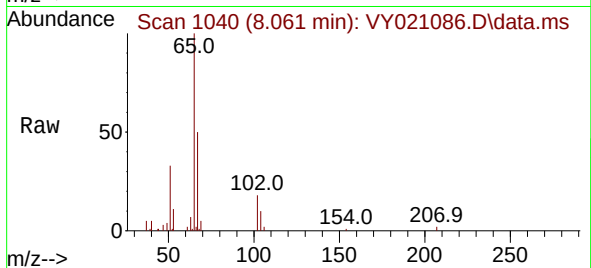
ClientSampleId :

Tgt Ion: 65 Resp: 17851

Ion Ratio Lower Upper

65 100

67 49.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

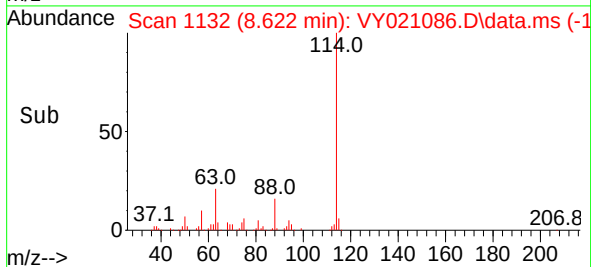
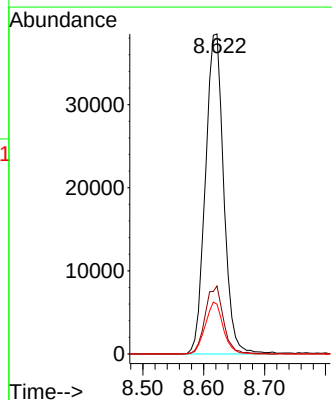
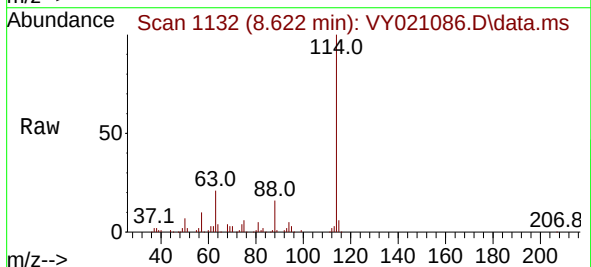
Tgt Ion: 114 Resp: 80551

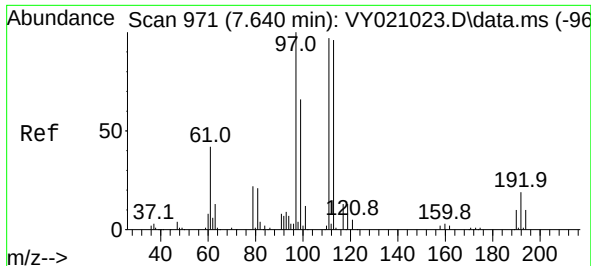
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 15.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 43.758 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

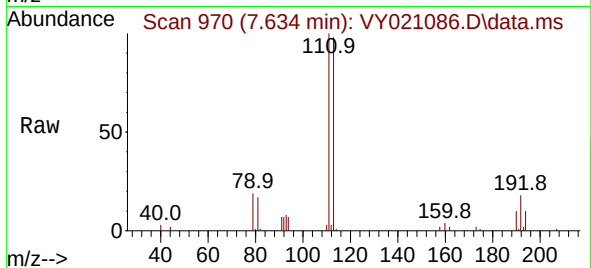
Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :



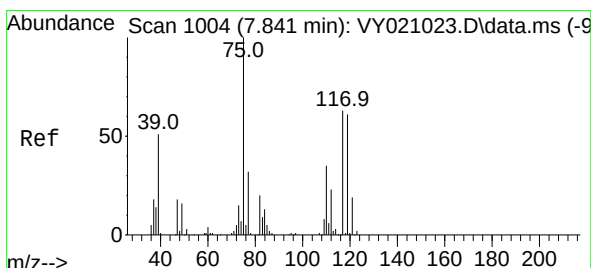
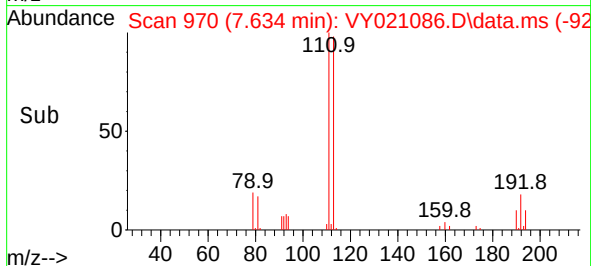
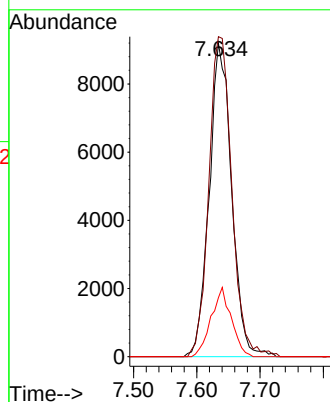
Tgt Ion:113 Resp: 22589

Ion Ratio Lower Upper

113 100

111 104.8 83.8 125.6

192 20.0 14.5 21.7



#36

1,1-Dichloropropene

Concen: 6.348 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

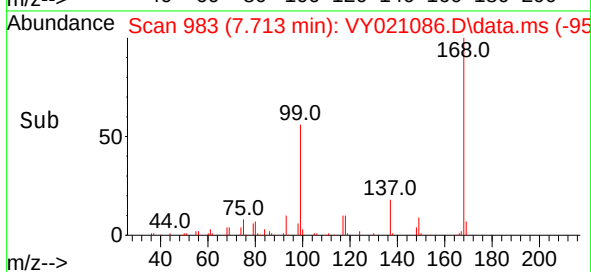
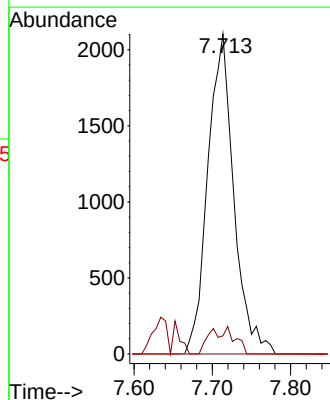
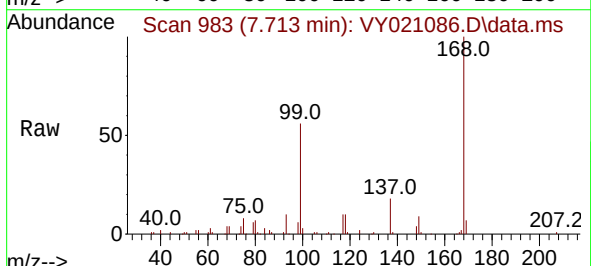
Tgt Ion: 75 Resp: 4854

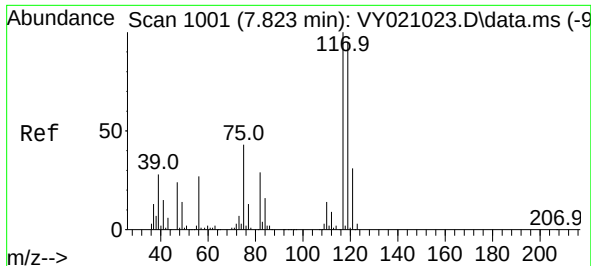
Ion Ratio Lower Upper

75 100

110 4.5 17.4 52.3#

77 0.0 24.7 37.1#

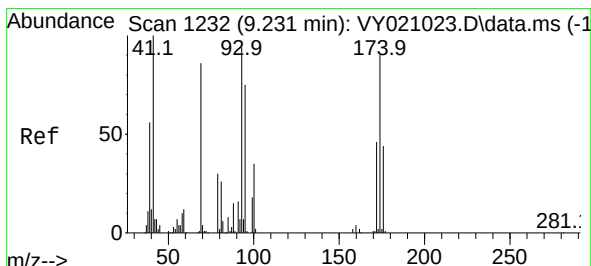
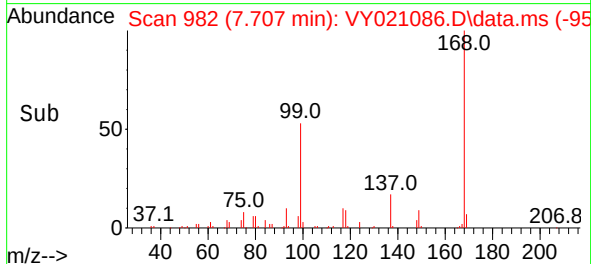
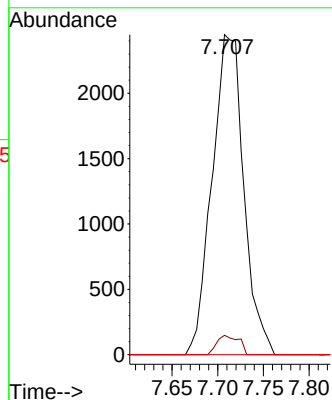
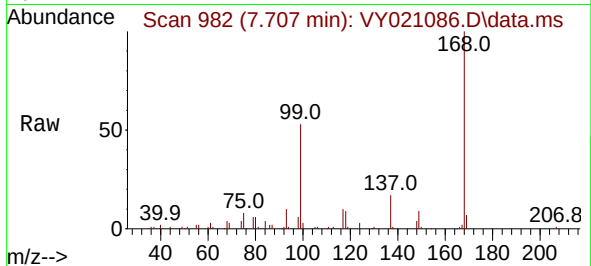




#38
Carbon Tetrachloride
Concen: 6.603 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

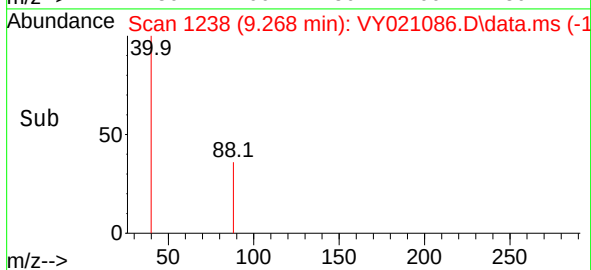
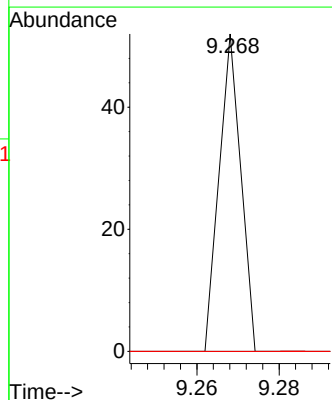
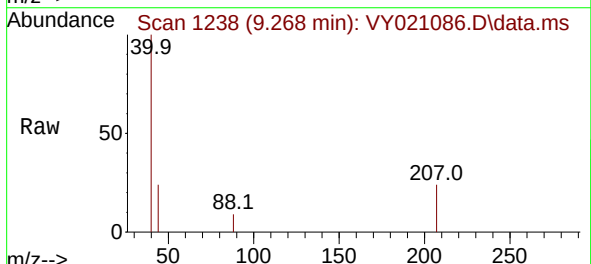
Instrument :
MSVOA_Y
ClientSampleId :

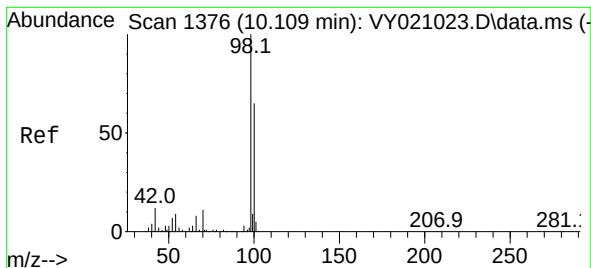
Tgt Ion:117 Resp: 5899
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 6.921 ug/l
RT: 9.268 min Scan# 1238
Delta R.T. 0.037 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 52.2 78.2#





#50

Toluene-d8

Concen: 45.640 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

Instrument :

MSVOA_Y

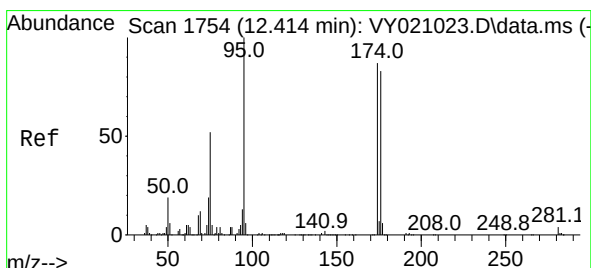
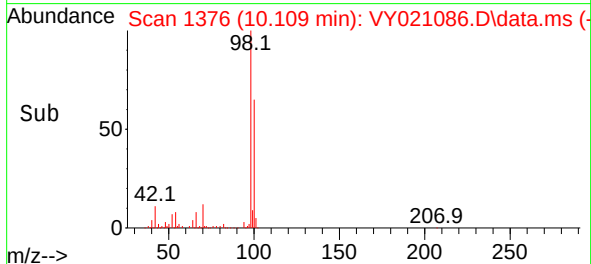
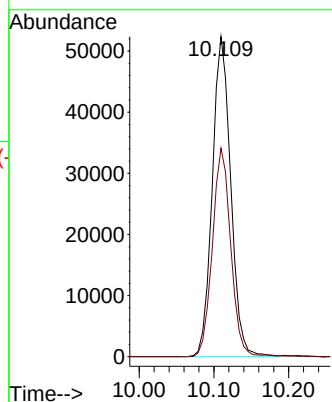
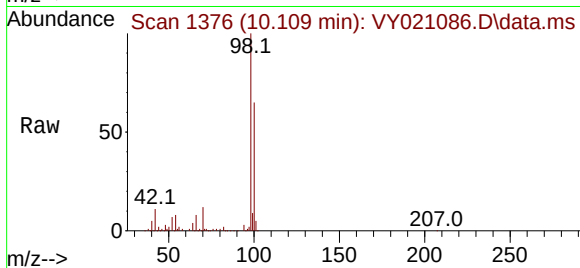
ClientSampleId :

Tgt Ion: 98 Resp: 89696

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 28.613 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

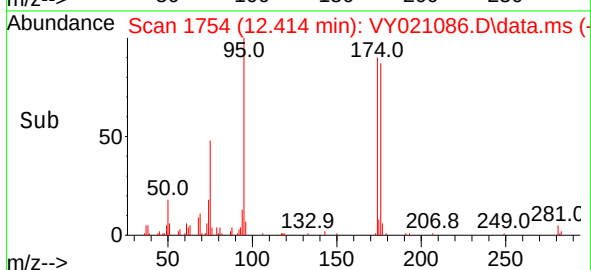
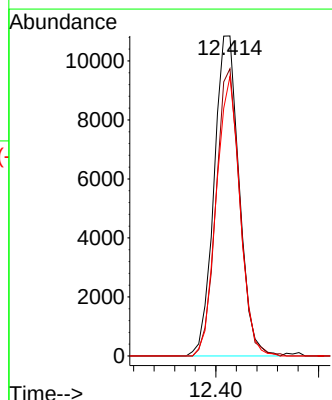
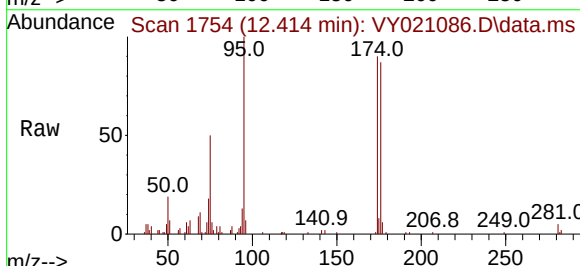
Tgt Ion: 95 Resp: 18371

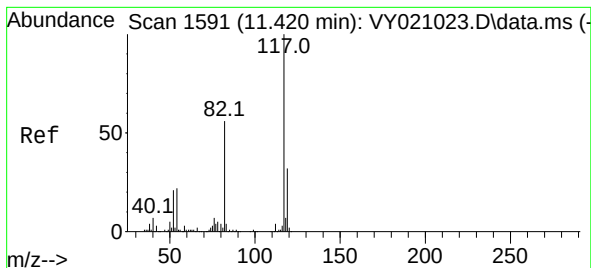
Ion Ratio Lower Upper

95 100

174 85.1 0.0 160.0

176 82.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

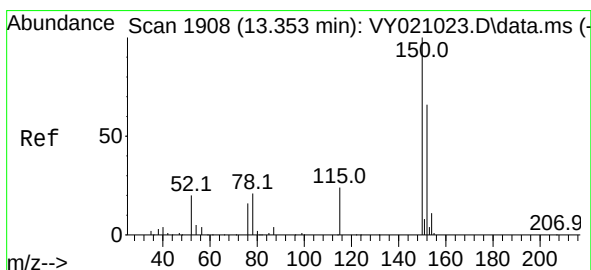
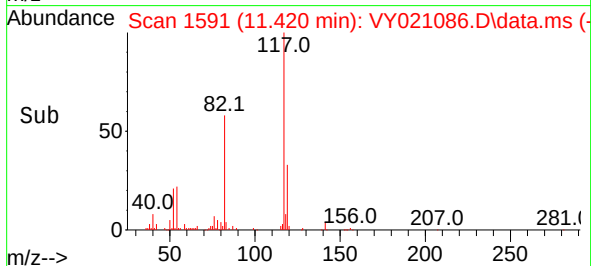
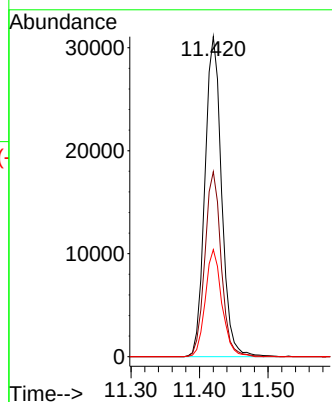
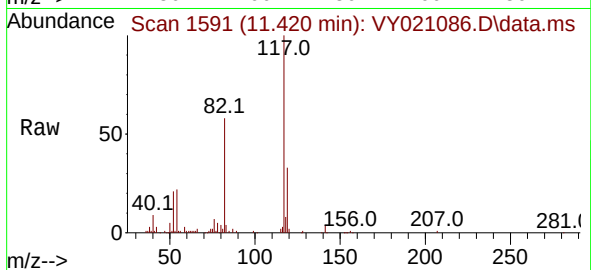
Tgt Ion:117 Resp: 52673

Ion Ratio Lower Upper

117 100

82 57.8 43.8 65.8

119 33.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021086.D

Acq: 05 Feb 2025 14:14

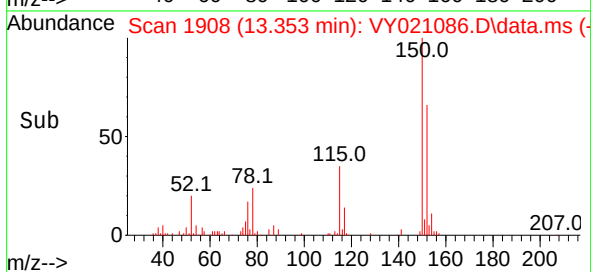
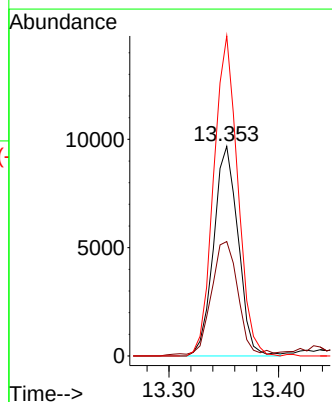
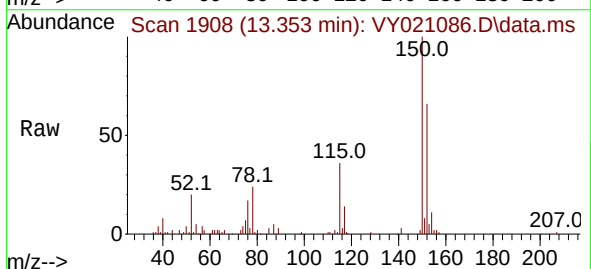
Tgt Ion:152 Resp: 15056

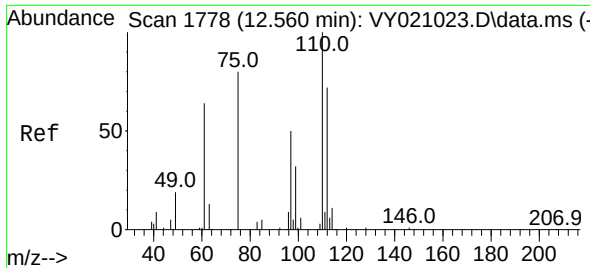
Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 149.6 0.0 344.6

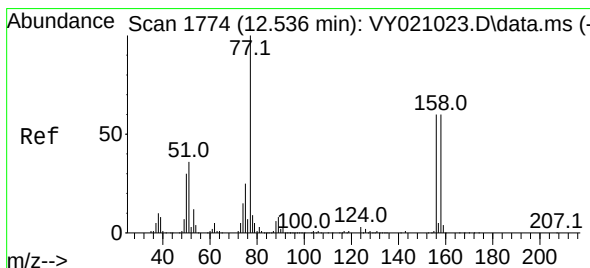
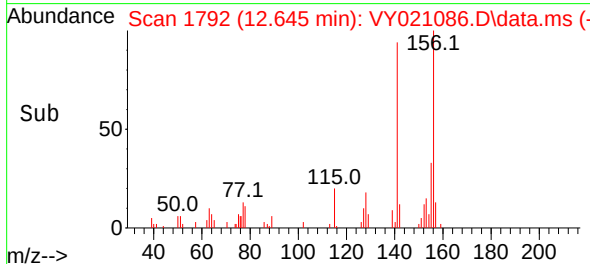
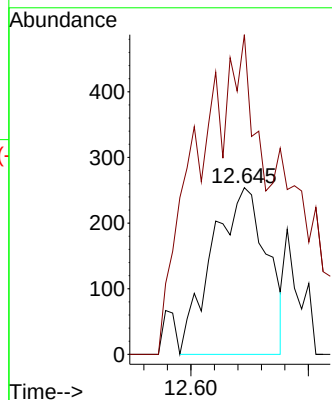
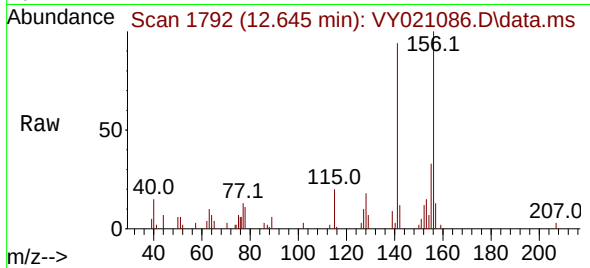




#76
1,2,3-Trichloropropane
Concen: 5.982 ug/l
RT: 12.645 min Scan# 1792
Delta R.T. 0.085 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

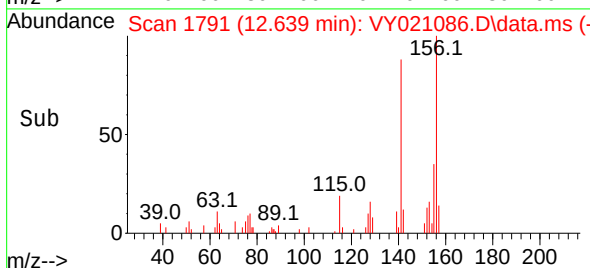
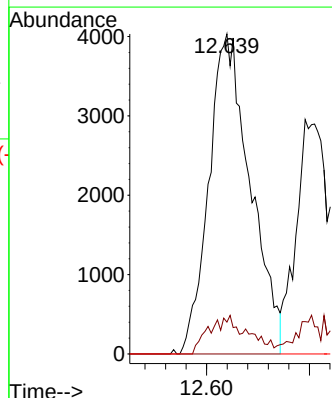
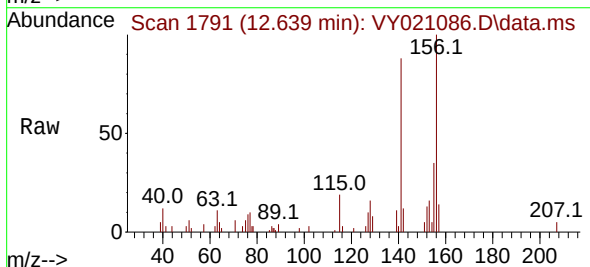
Instrument :
MSVOA_Y
ClientSampleId :

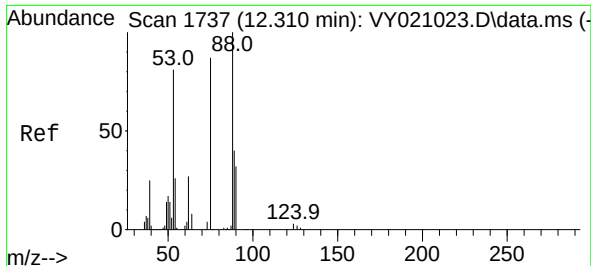
Tgt Ion: 75 Resp: 817
Ion Ratio Lower Upper
75 100
77 47.9 0.0 0.0#



#77
Bromobenzene
Concen: 83.268 ug/l
RT: 12.639 min Scan# 1791
Delta R.T. 0.104 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

Tgt Ion: 156 Resp: 22599
Ion Ratio Lower Upper
156 100
77 1.7 97.3 291.8#
158 0.0 48.4 145.0#

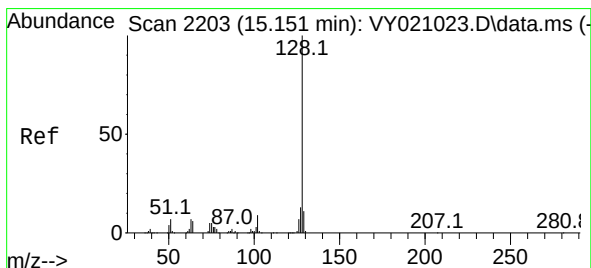
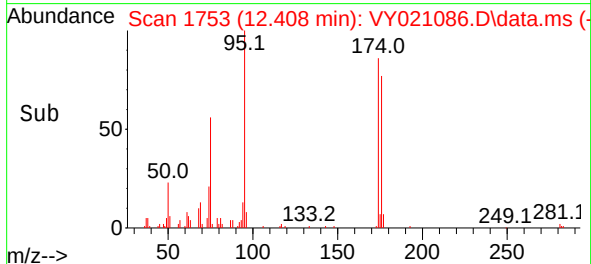
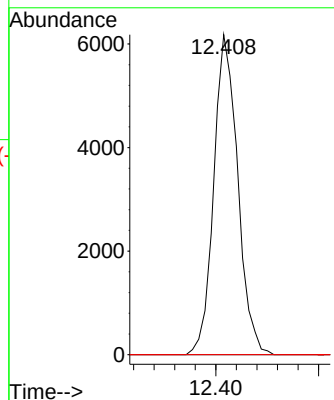
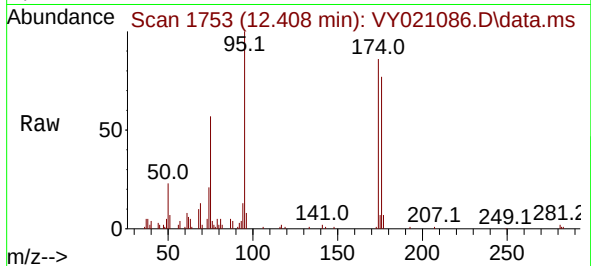




#81
trans-1,4-Dichloro-2-butene
Concen: 149.372 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 9998
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 5.760 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY021086.D
Acq: 05 Feb 2025 14:14

Tgt Ion: 128 Resp: 2333
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.4
129 13.4 8.6 12.8#

