

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020917.D
 Acq On : 23 Jan 2025 17:50
 Operator : SY/MD
 Sample : Q1169-01
 Misc : 3.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 24 00:20:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

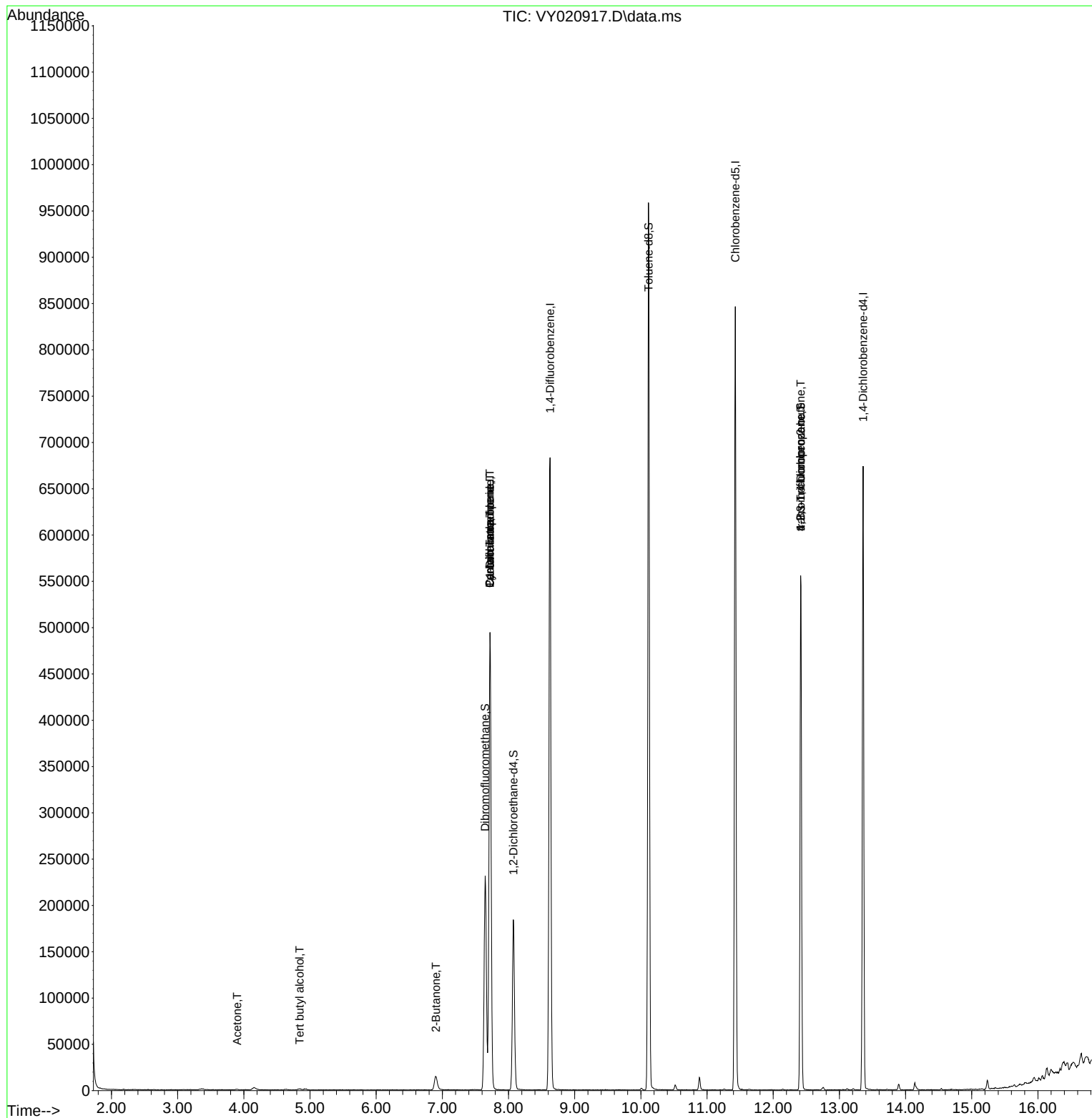
Internal Standards						
1) Pentafluorobenzene	7.719	168	403257	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.628	114	614506	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	465716	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	174605	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	146725	42.808	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.620%
35) Dibromofluoromethane	7.646	113	165287	42.934	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.860%
50) Toluene-d8	10.115	98	636271	47.410	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.820%
62) 4-Bromofluorobenzene	12.414	95	173761	35.061	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	70.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1573	6.073	ug/l #	73
16) Acetone	3.897	43	1142	2.343	ug/l #	84
25) 2-Butanone	6.902	43	1109	1.385	ug/l #	77
31) Cyclohexane	7.719	56	6743	1.352	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	27363	5.572	ug/l #	50
38) Carbon Tetrachloride	7.719	117	38098	5.574	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	87696	57.402	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	87696	121.034	ug/l #	14

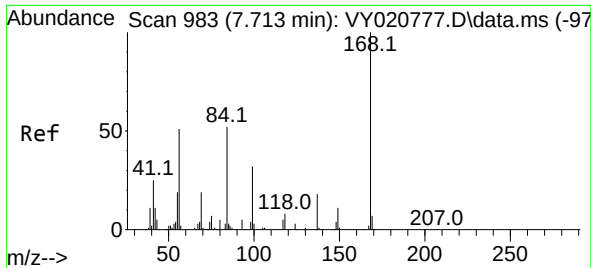
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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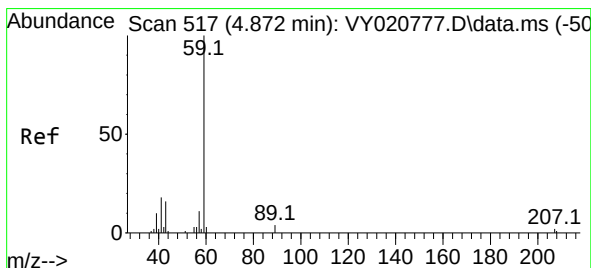
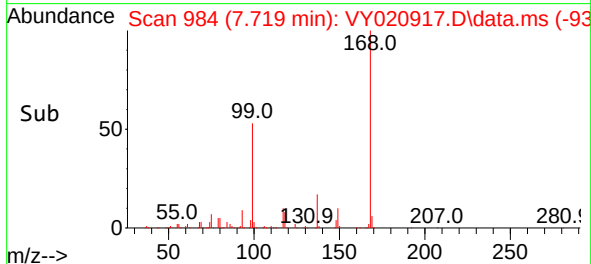
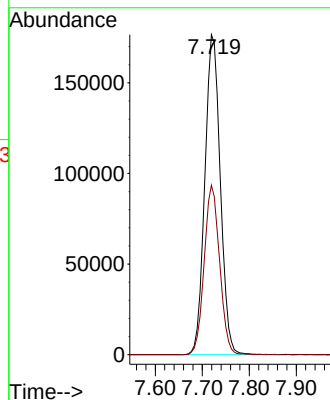
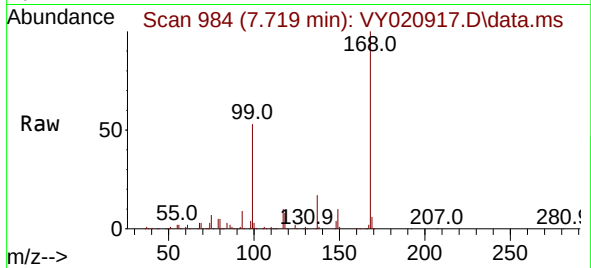




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

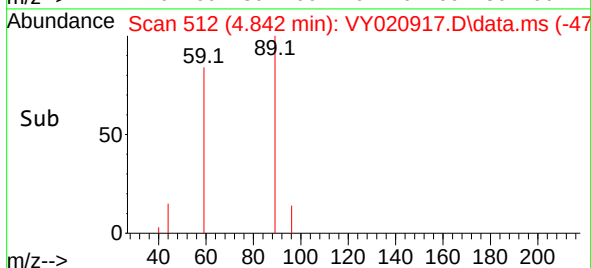
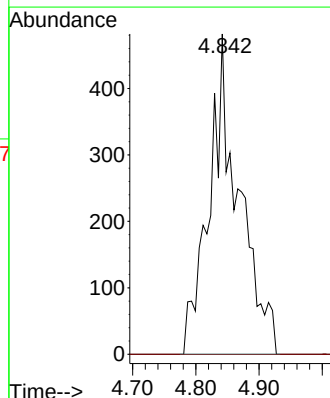
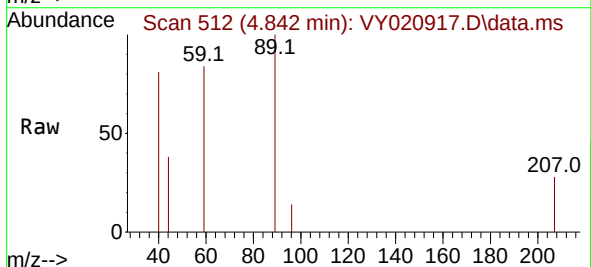
Instrument :
MSVOA_Y
ClientSampleId :

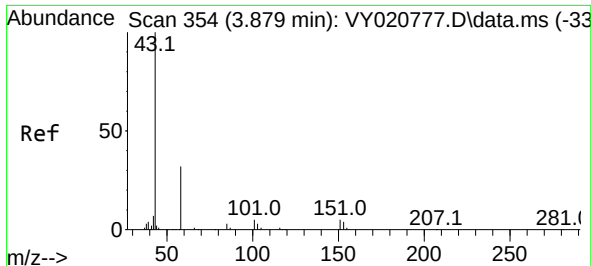
Tgt Ion:168 Resp: 403257
Ion Ratio Lower Upper
168 100
99 53.0 44.3 66.5



#11
Tert butyl alcohol
Concen: 6.073 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.085 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

Tgt Ion: 59 Resp: 1573
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

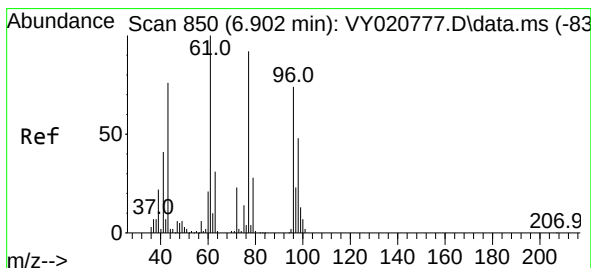
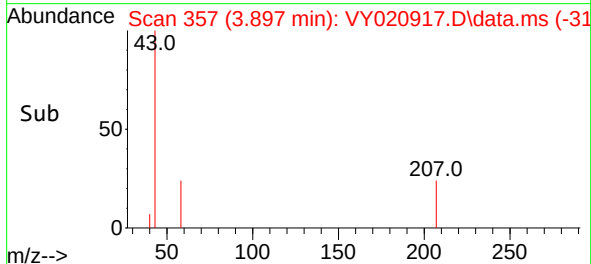
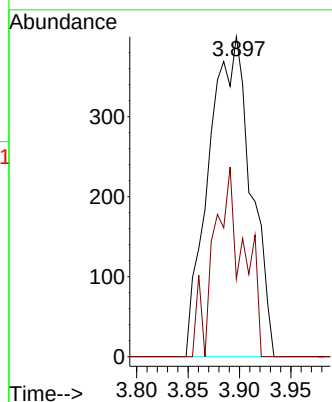
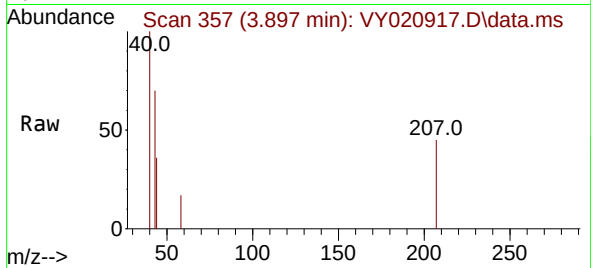




#16
Acetone
Concen: 2.343 ug/l
RT: 3.897 min Scan# 311
Delta R.T. -0.018 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

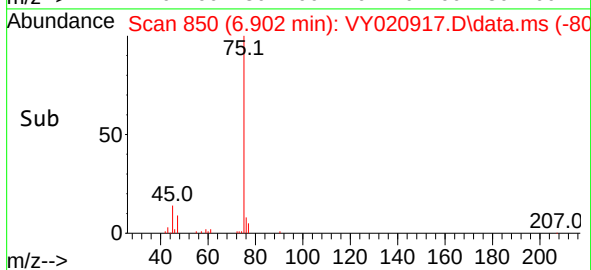
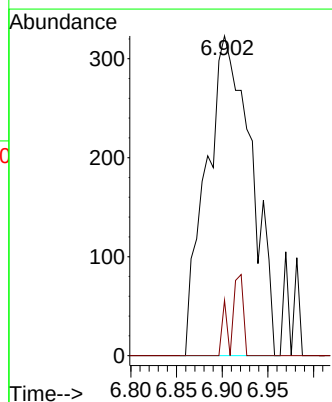
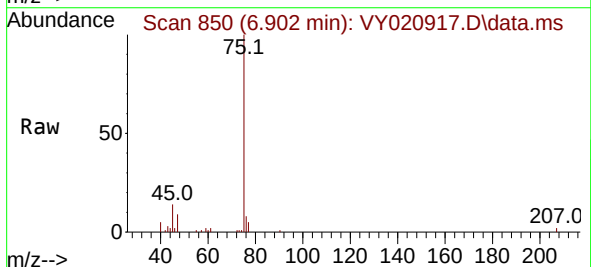
Instrument :
MSVOA_Y
ClientSampleId :

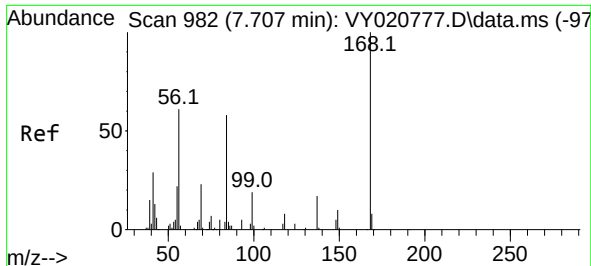
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 24.3 26.7 40.1#



#25
2-Butanone
Concen: 1.385 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.030 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

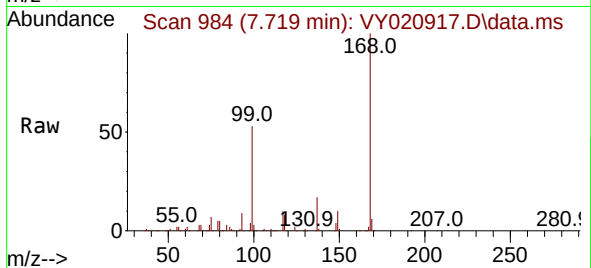
Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
72 17.3 24.0 36.0#



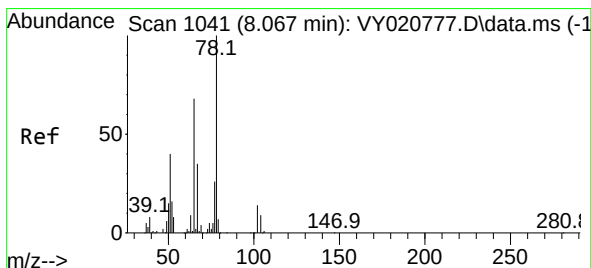
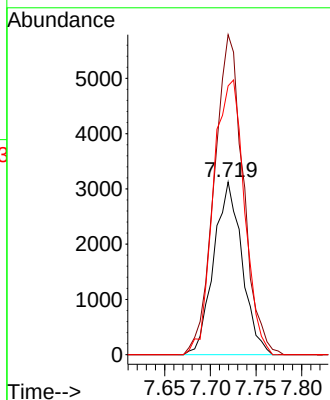
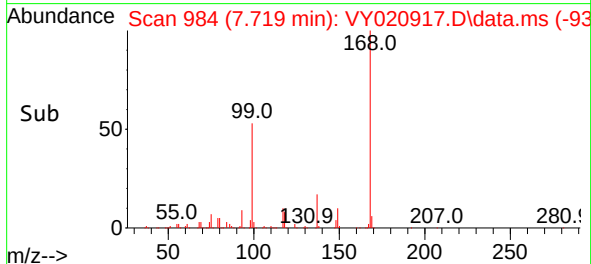


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

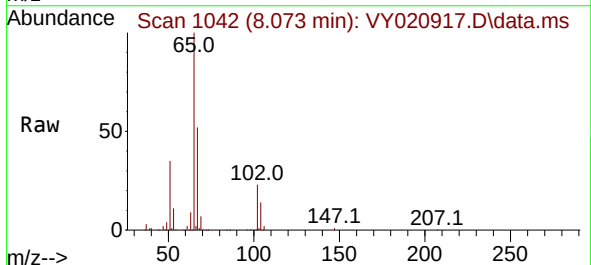
Instrument :
MSVOA_Y
ClientSampleId :



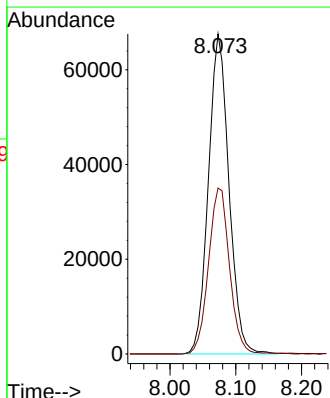
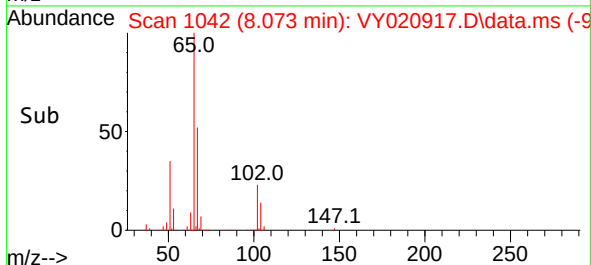
Tgt Ion: 56 Resp: 6743
Ion Ratio Lower Upper
56 100
69 185.3 30.5 45.7#
84 155.6 76.6 115.0#

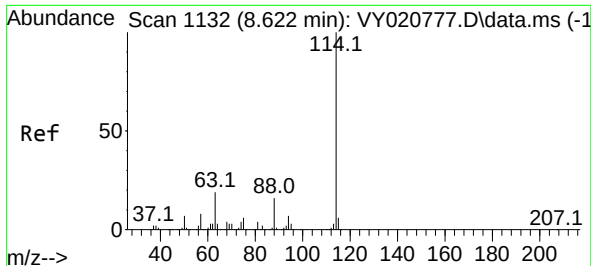


#33
1,2-Dichloroethane-d4
Concen: 42.808 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.018 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50



Tgt Ion: 65 Resp: 146725
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

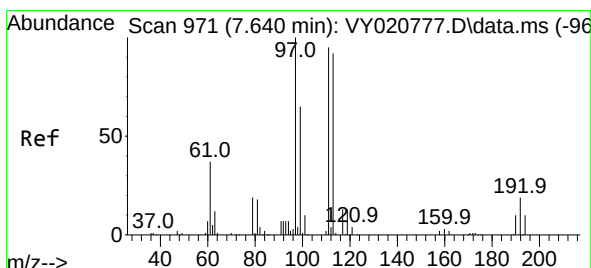
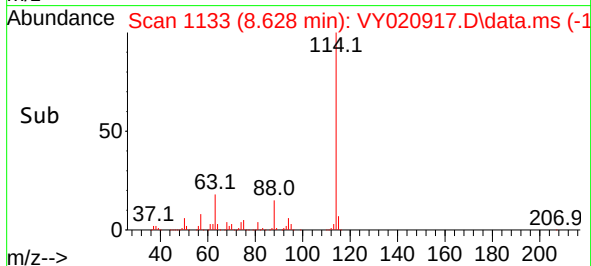
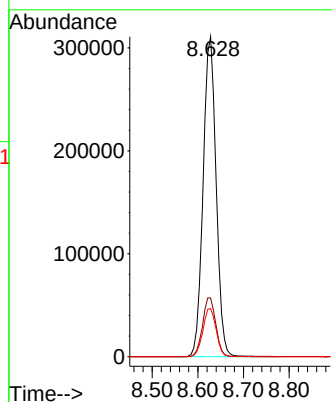
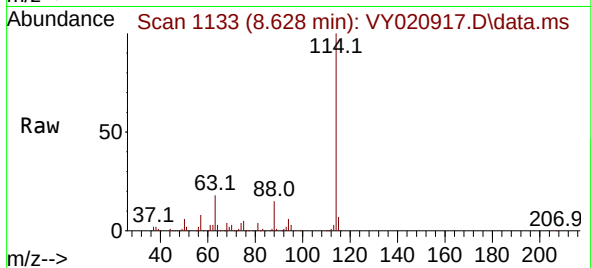
Tgt Ion:114 Resp: 614506

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 15.1 0.0 31.2



#35

Dibromofluoromethane

Concen: 42.934 ug/l

RT: 7.646 min Scan# 972

Delta R.T. -0.018 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

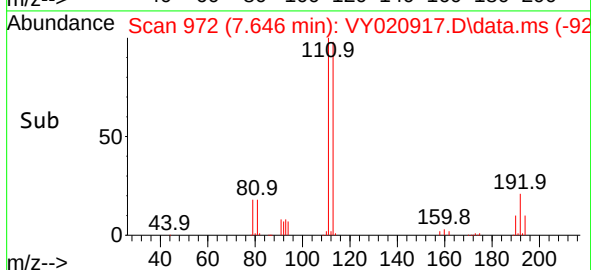
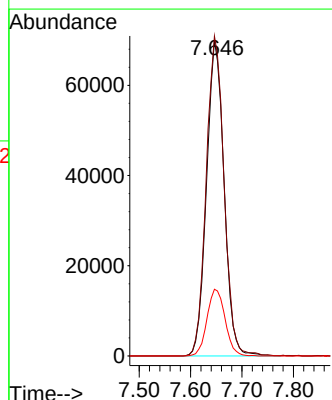
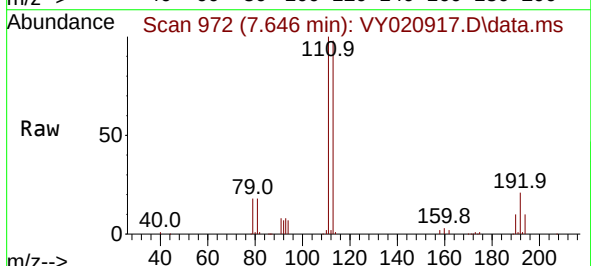
Tgt Ion:113 Resp: 165287

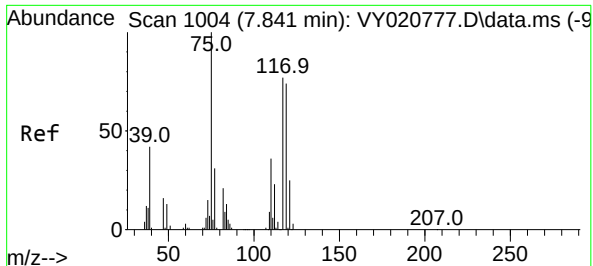
Ion Ratio Lower Upper

113 100

111 103.6 81.7 122.5

192 21.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.572 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.146 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

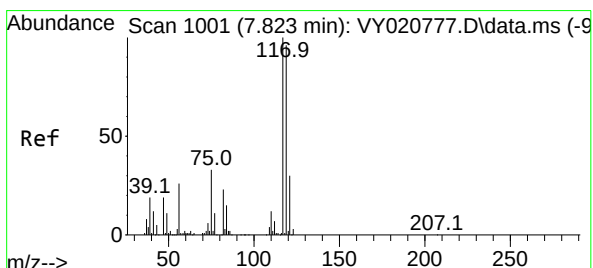
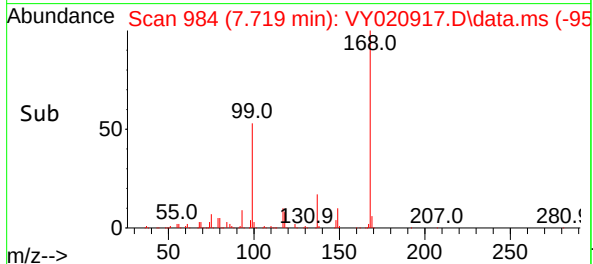
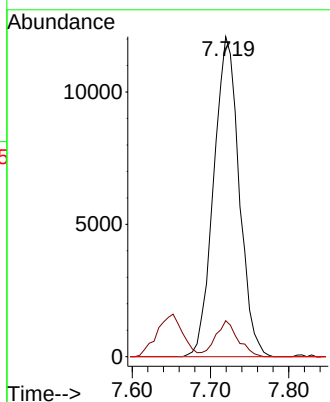
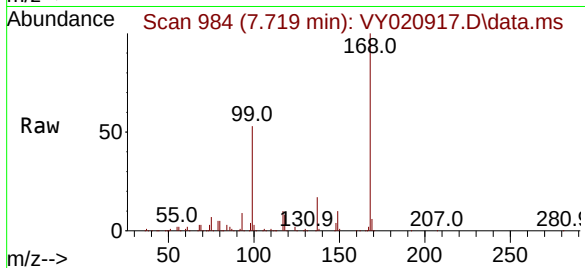
Tgt Ion: 75 Resp: 27363

Ion Ratio Lower Upper

75 100

110 10.0 18.5 55.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.574 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.128 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

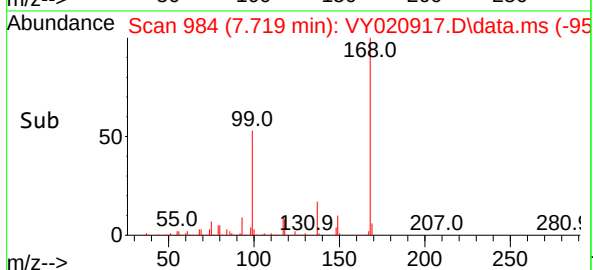
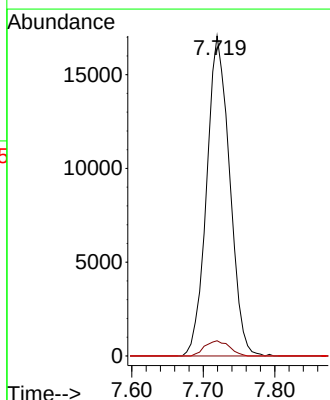
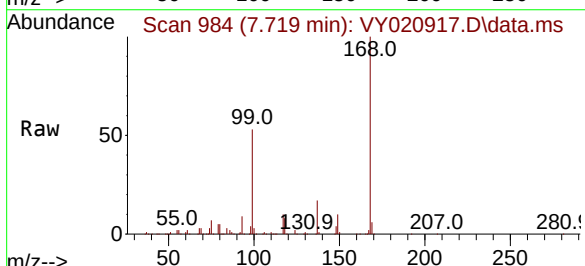
Tgt Ion:117 Resp: 38098

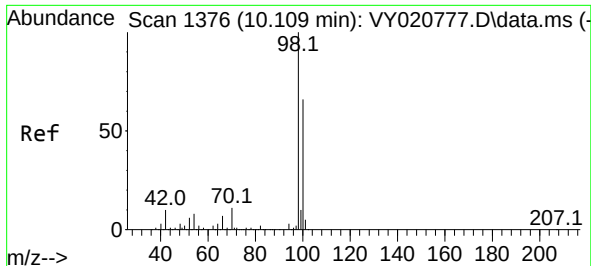
Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

121 0.0 24.3 36.5#

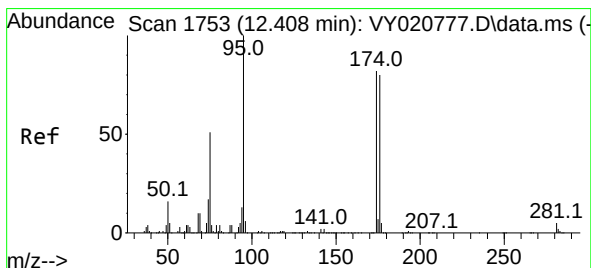
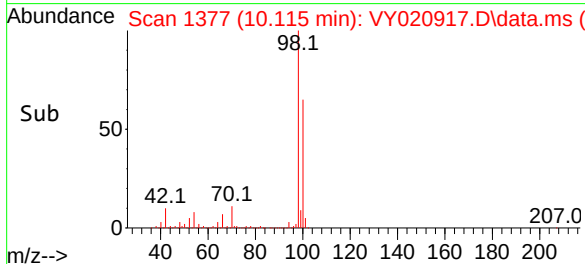
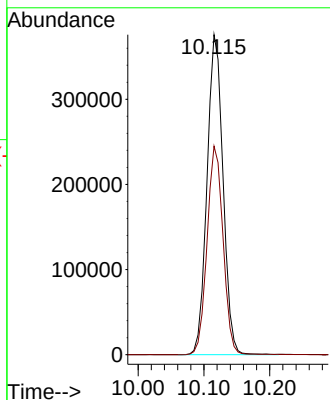
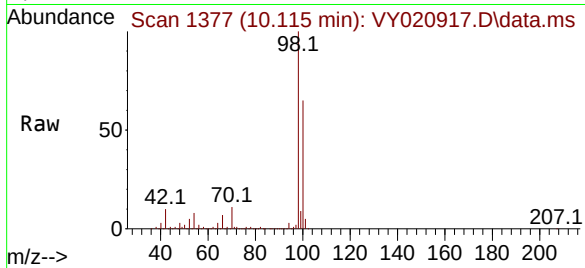




#50
Toluene-d8
Concen: 47.410 ug/l
RT: 10.115 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

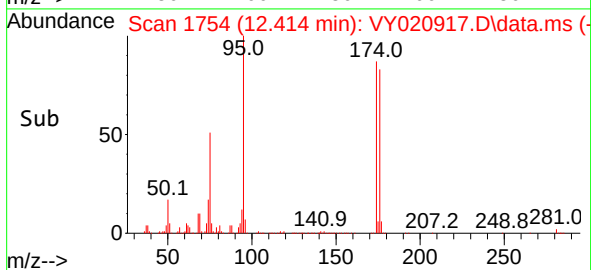
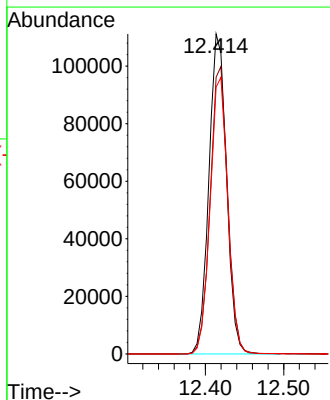
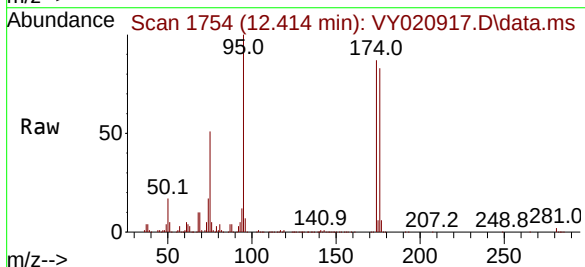
Instrument :
MSVOA_Y
ClientSampleId :

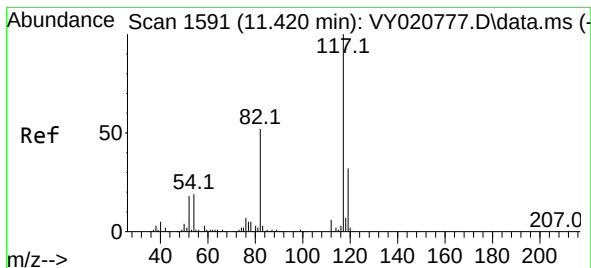
Tgt Ion: 98 Resp: 636271
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 35.061 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.012 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

Tgt Ion: 95 Resp: 173761
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.0
176 86.8 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

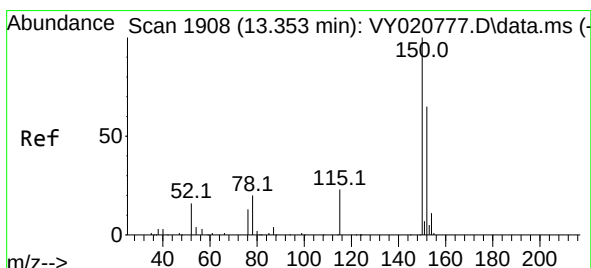
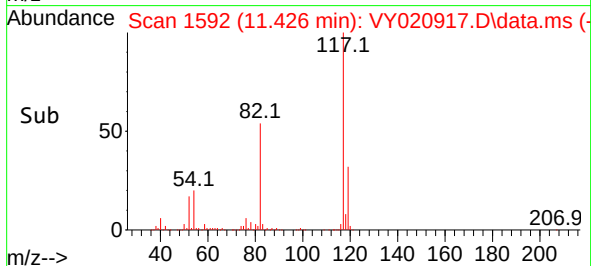
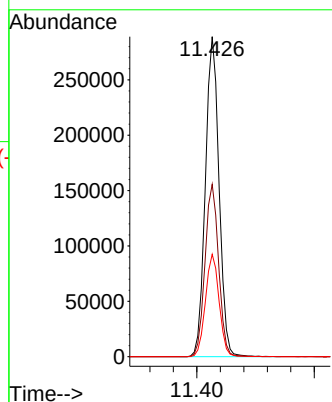
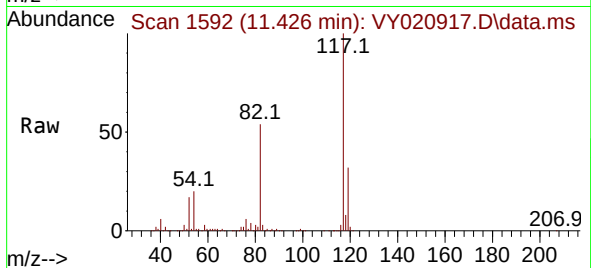
Tgt Ion:117 Resp: 465716

Ion Ratio Lower Upper

117 100

82 53.8 41.8 62.6

119 32.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

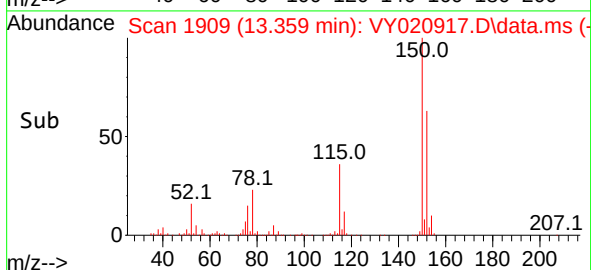
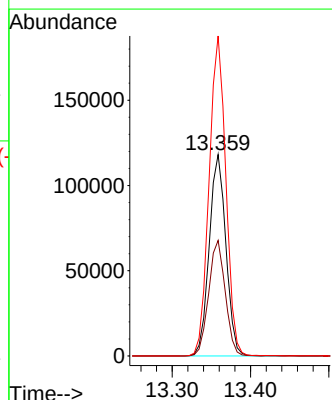
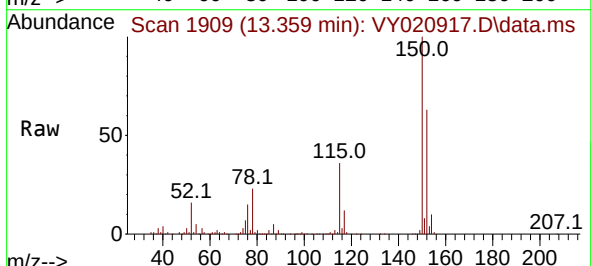
Tgt Ion:152 Resp: 174605

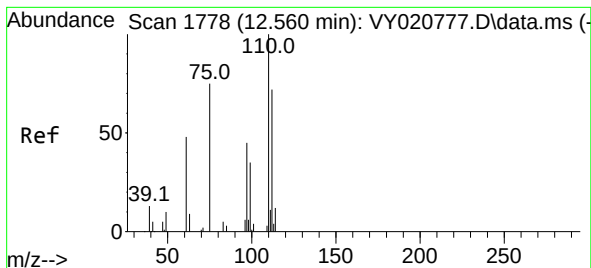
Ion Ratio Lower Upper

152 100

115 57.1 29.0 87.0

150 159.2 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 57.402 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.164 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Instrument :

MSVOA_Y

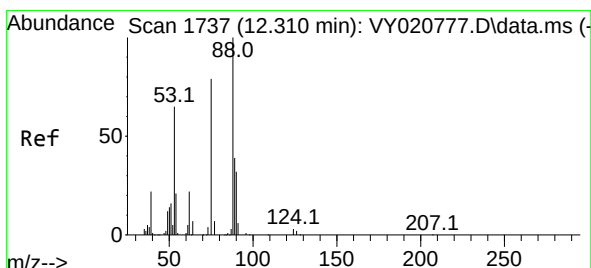
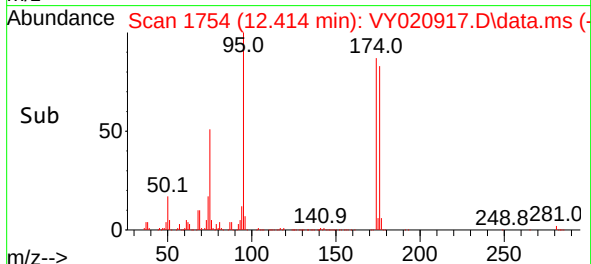
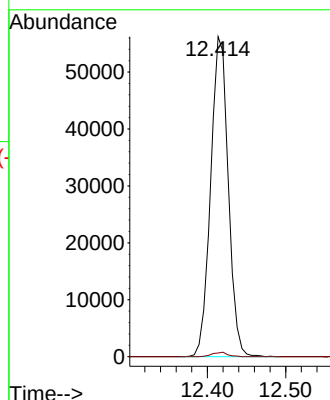
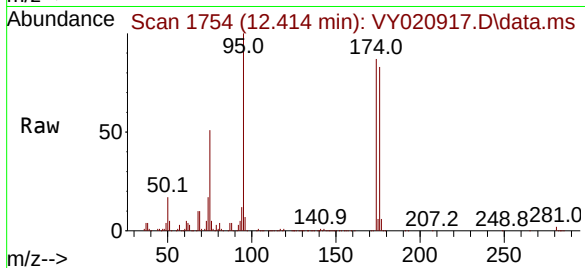
ClientSampleId :

Tgt Ion: 75 Resp: 87696

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.034 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.086 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Tgt Ion: 75 Resp: 87696

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.0#

89 0.1 39.6 59.4#

