

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020884.D
 Acq On : 20 Jan 2025 16:33
 Operator : SY/MD
 Sample : Q1110-02RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:43:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

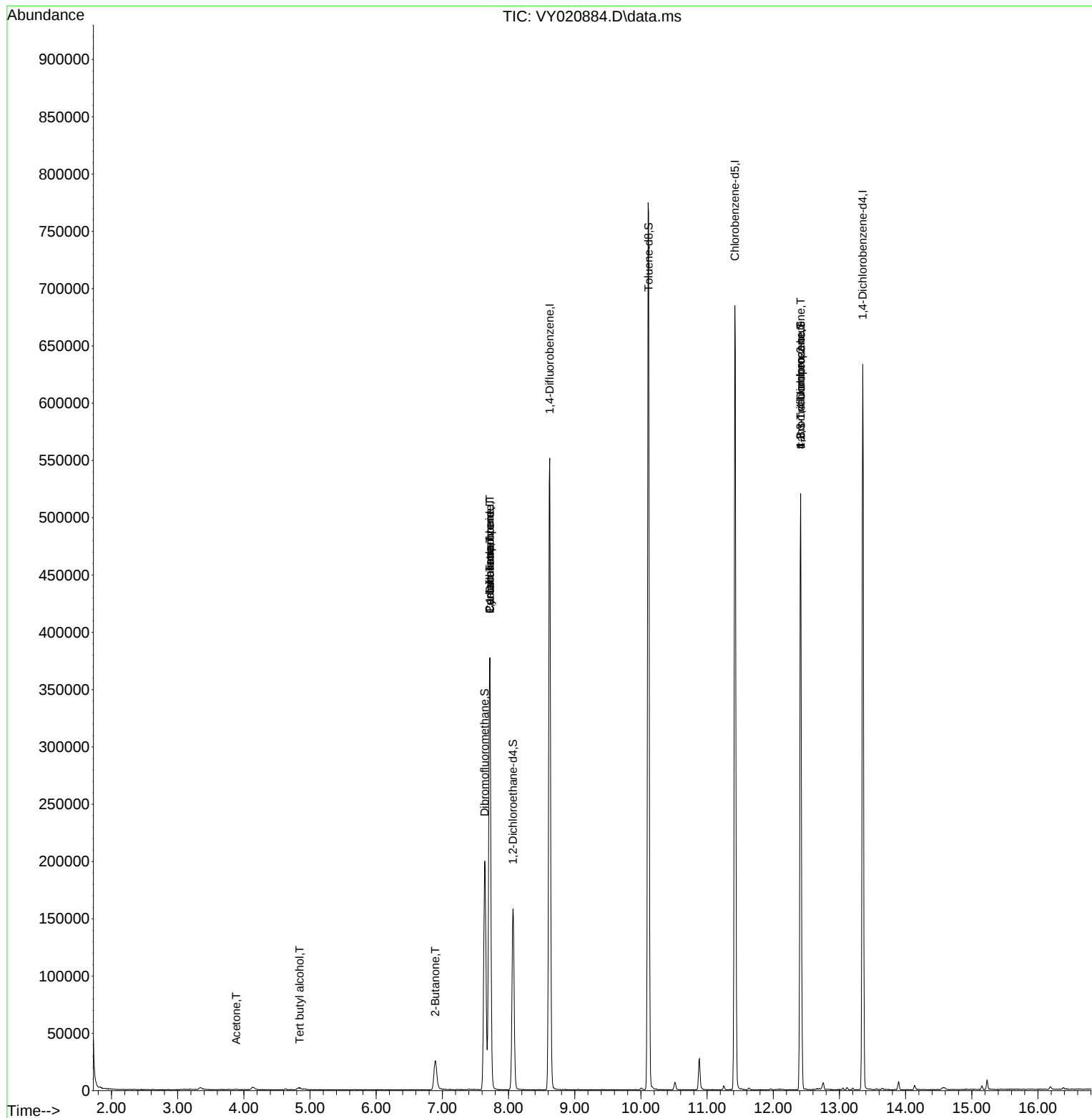
Internal Standards						
1) Pentafluorobenzene	7.720	168	313624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	486172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	387528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	164396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	127580	47.860	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.720%
35) Dibromofluoromethane	7.640	113	145608	47.806	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.620%
50) Toluene-d8	10.115	98	523823	49.335	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.414	95	155508	39.661	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	79.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	2265	11.245	ug/l #	73
16) Acetone	3.885	43	962	2.538	ug/l #	80
25) 2-Butanone	6.890	43	1431	2.298	ug/l #	79
31) Cyclohexane	7.720	56	5254	1.355	ug/l #	1
36) 1,1-Dichloropropene	7.720	75	21172	5.450	ug/l #	50
38) Carbon Tetrachloride	7.720	117	29487	5.453	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	78192	54.359	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	78192	114.618	ug/l #	14

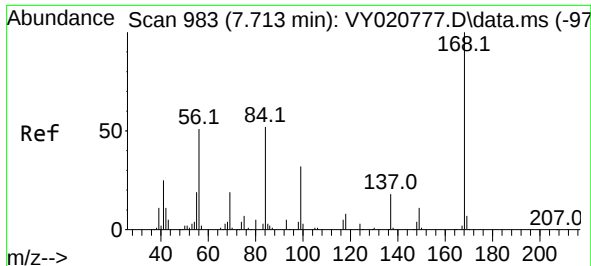
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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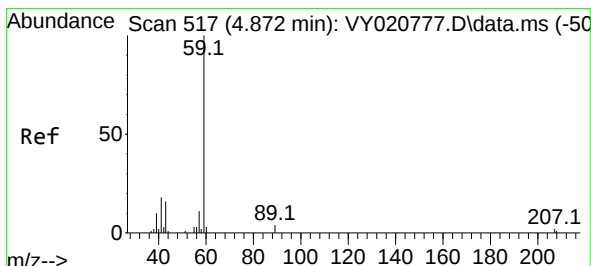
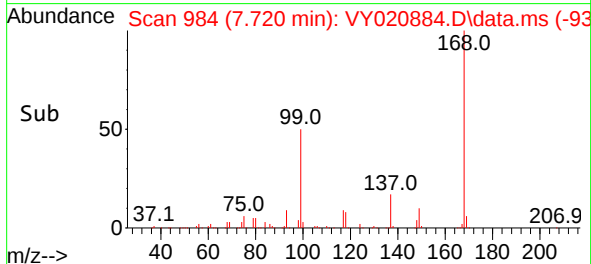
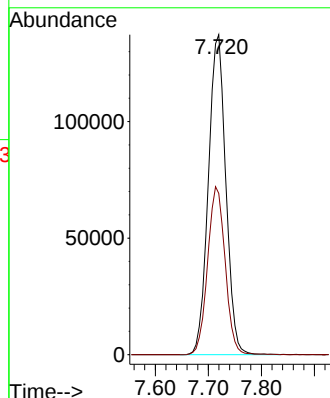
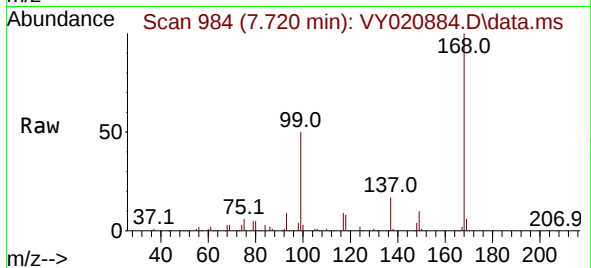




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

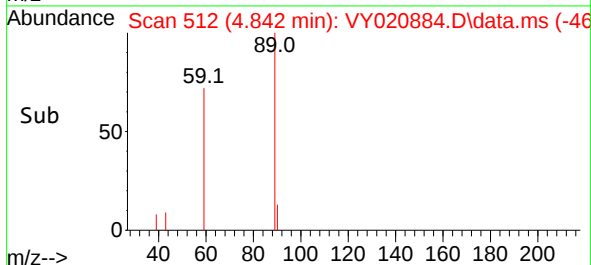
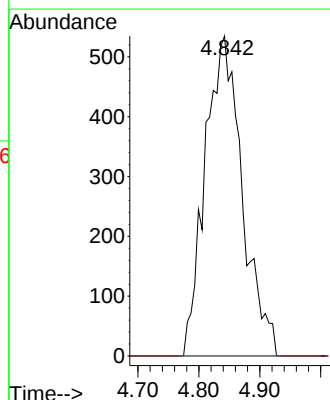
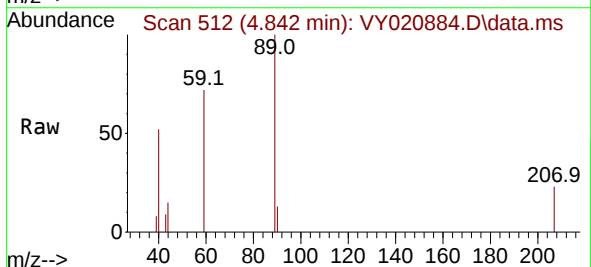
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 313624
Ion Ratio Lower Upper
168 100
99 50.4 44.3 66.5



#11
Tert butyl alcohol
Concen: 11.245 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Tgt Ion: 59 Resp: 2265
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

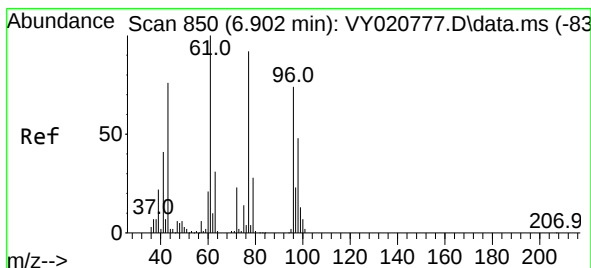
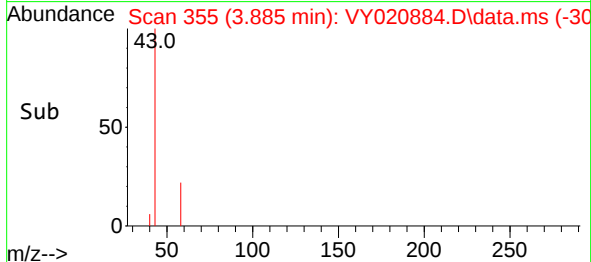
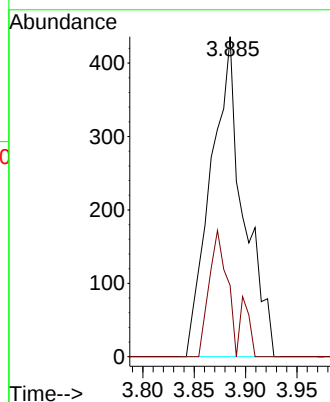
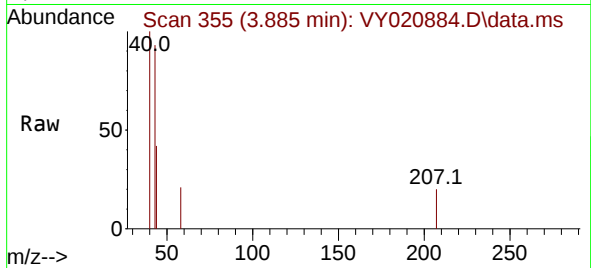




#16
Acetone
Concen: 2.538 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

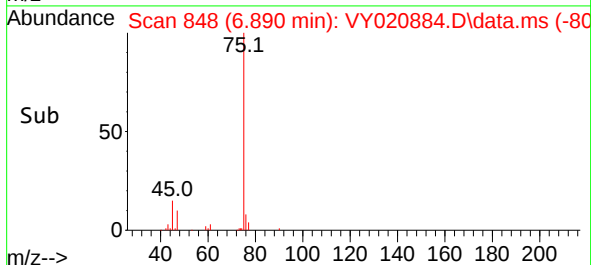
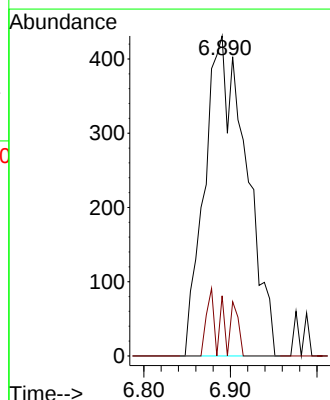
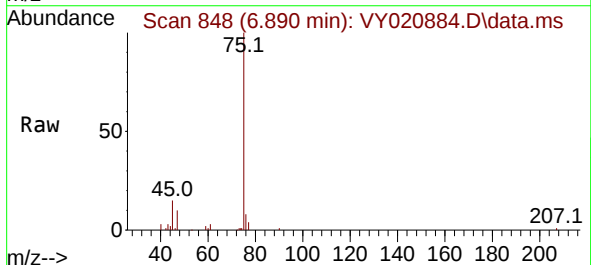
Instrument :
MSVOA_Y
ClientSampleId :

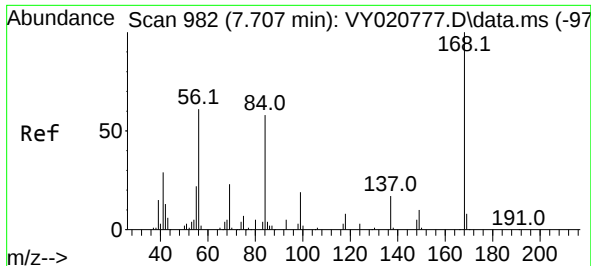
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 22.2 26.7 40.1#



#25
2-Butanone
Concen: 2.298 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
72 18.8 24.0 36.0#

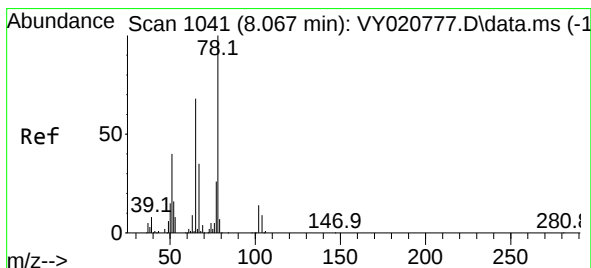
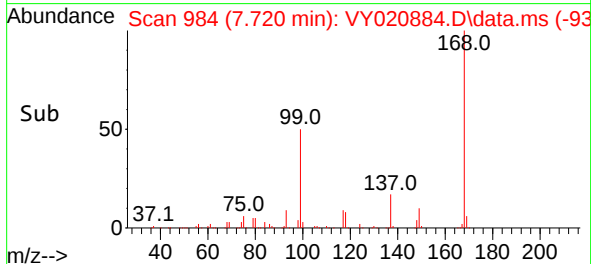
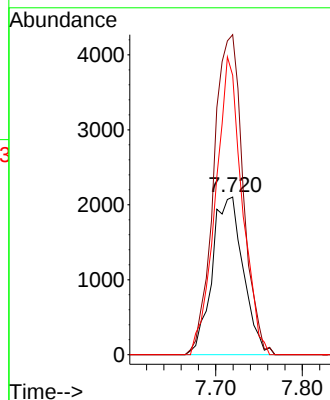
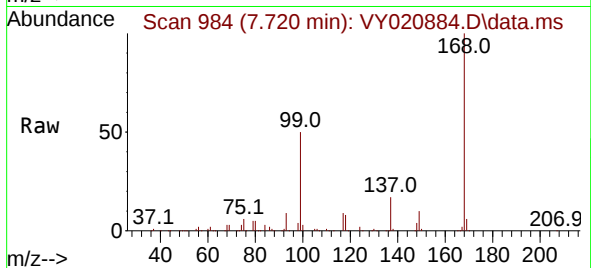




#31
Cyclohexane
Concen: 1.355 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

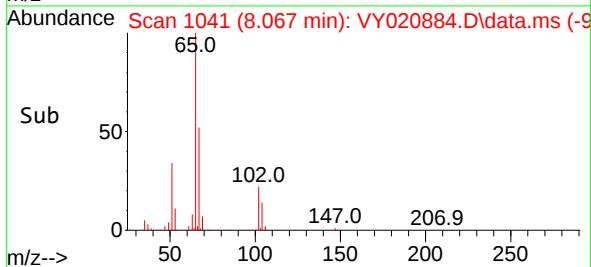
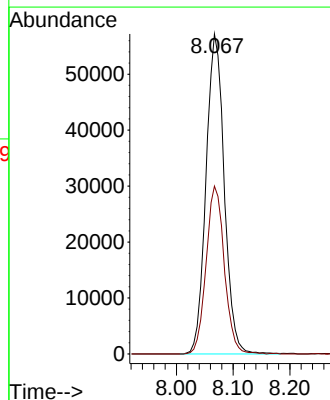
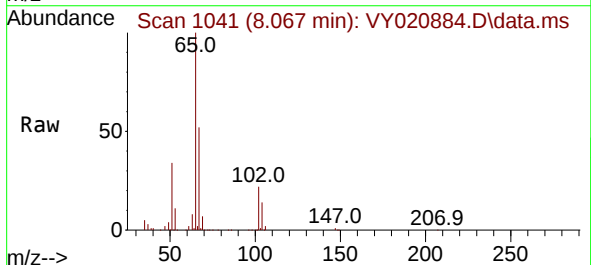
Instrument :
MSVOA_Y
ClientSampleId :

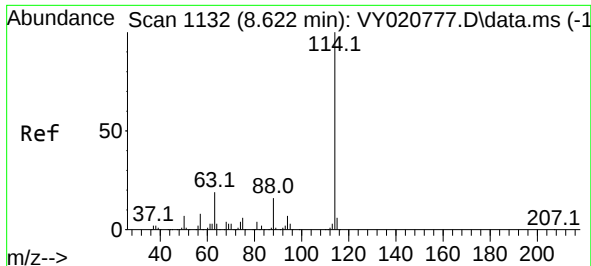
Tgt Ion: 56 Resp: 5254
Ion Ratio Lower Upper
56 100
69 203.0 30.5 45.7#
84 177.2 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 47.860 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Tgt Ion: 65 Resp: 127580
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

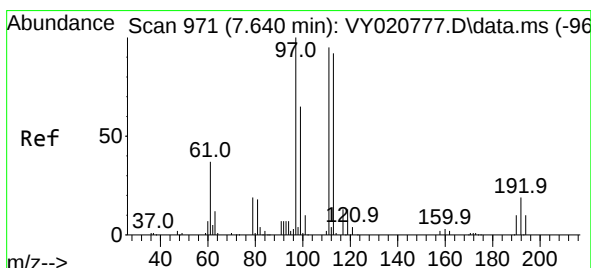
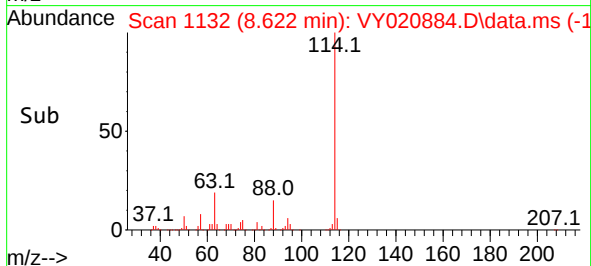
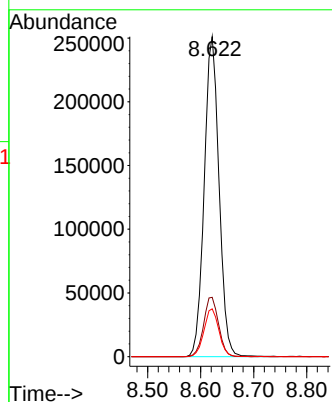
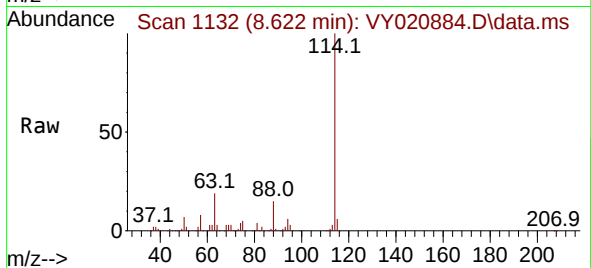
Tgt Ion:114 Resp: 486172

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 47.806 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

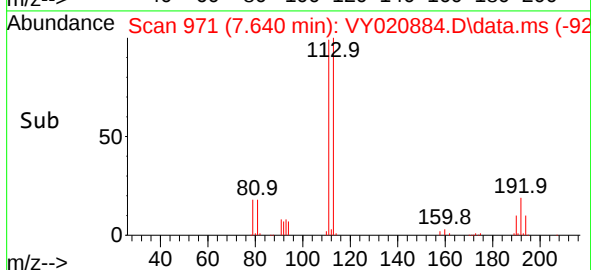
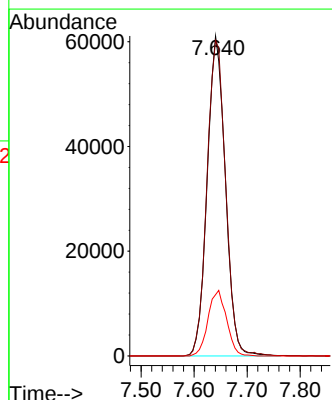
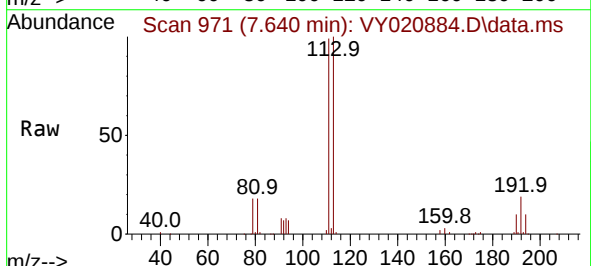
Tgt Ion:113 Resp: 145608

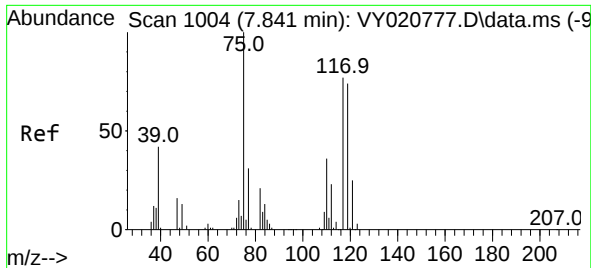
Ion Ratio Lower Upper

113 100

111 101.2 81.7 122.5

192 20.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.450 ug/l

RT: 7.720 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

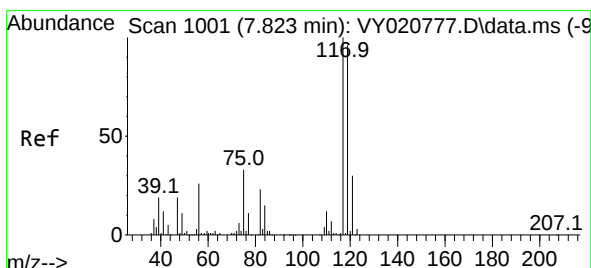
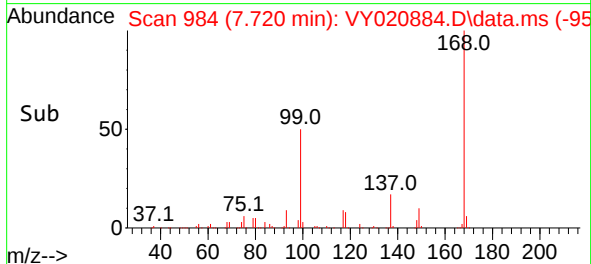
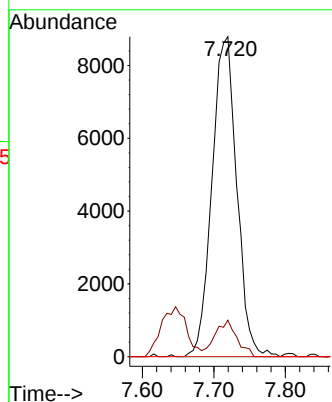
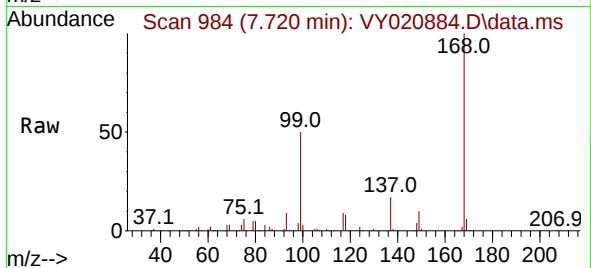
Tgt Ion: 75 Resp: 21172

Ion Ratio Lower Upper

75 100

110 10.1 18.5 55.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.453 ug/l

RT: 7.720 min Scan# 984

Delta R.T. -0.104 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

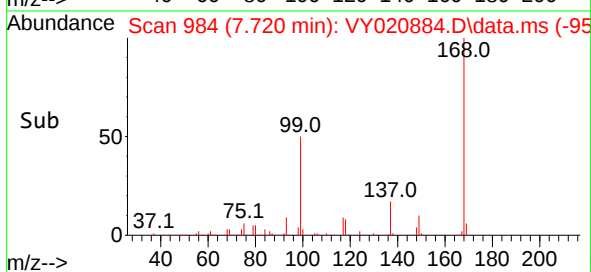
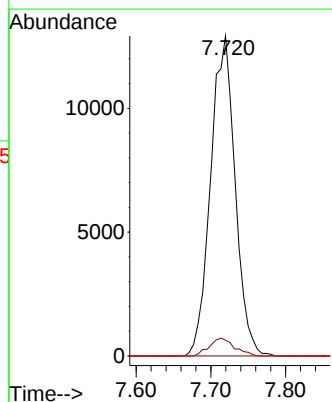
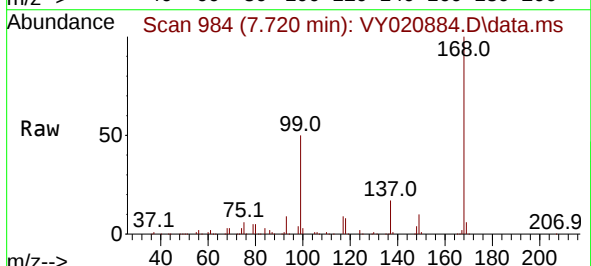
Tgt Ion: 117 Resp: 29487

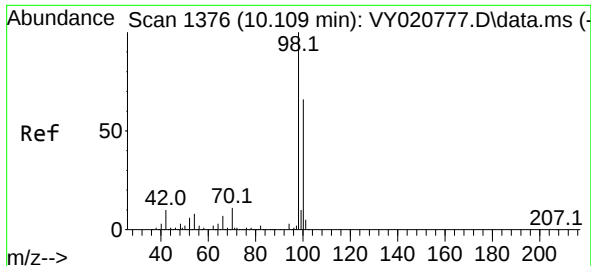
Ion Ratio Lower Upper

117 100

119 5.0 76.5 114.7#

121 0.0 24.3 36.5#

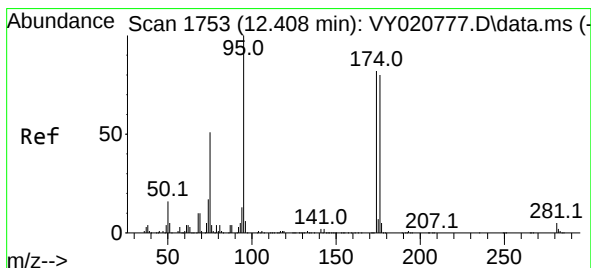
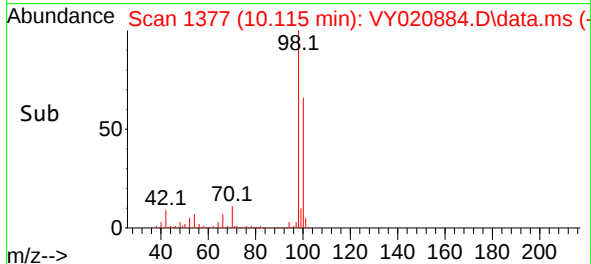
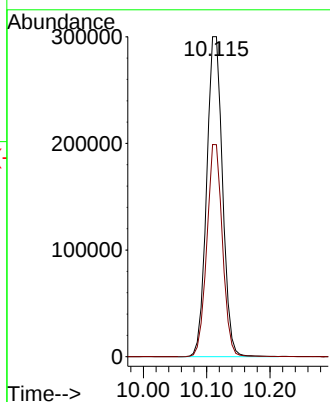
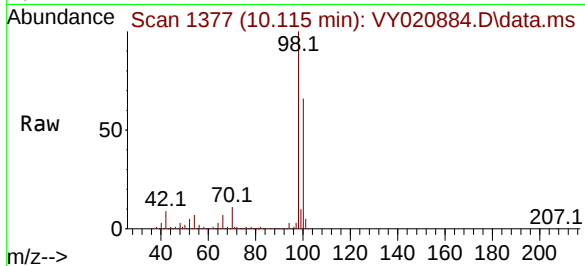




#50
Toluene-d8
Concen: 49.335 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

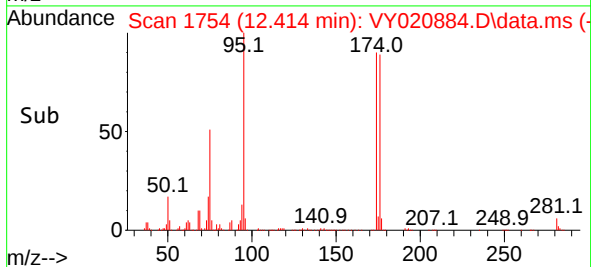
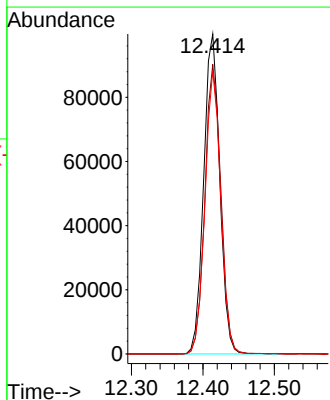
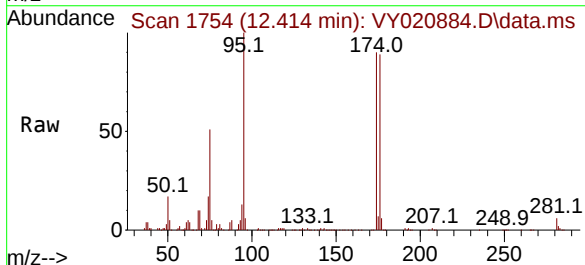
Instrument :
MSVOA_Y
ClientSampleId :

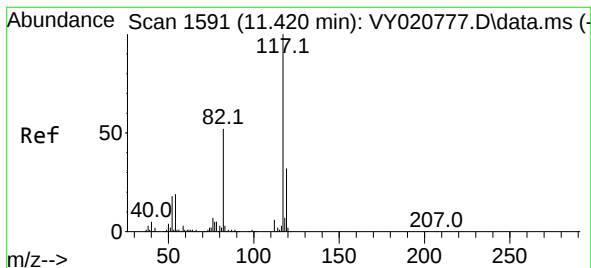
Tgt Ion: 98 Resp: 523823
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 39.661 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Tgt Ion: 95 Resp: 155508
Ion Ratio Lower Upper
95 100
174 90.5 0.0 178.0
176 86.9 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

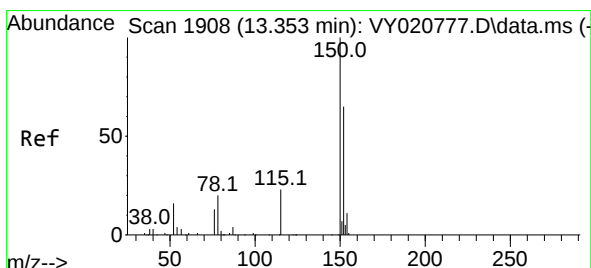
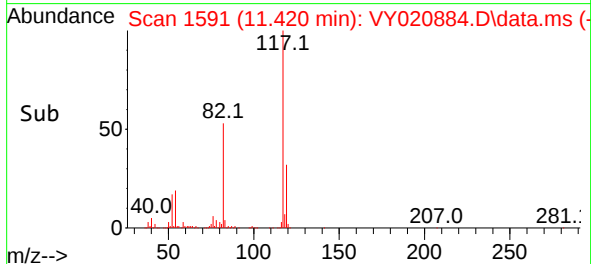
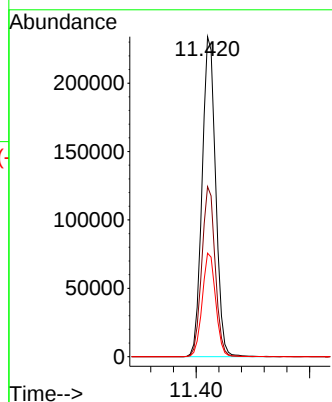
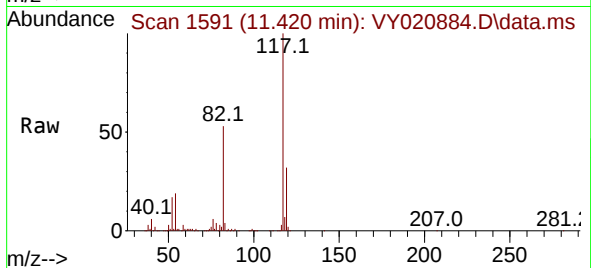
Tgt Ion:117 Resp: 387528

Ion Ratio Lower Upper

117 100

82 53.2 41.8 62.6

119 32.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020884.D

Acq: 20 Jan 2025 16:33

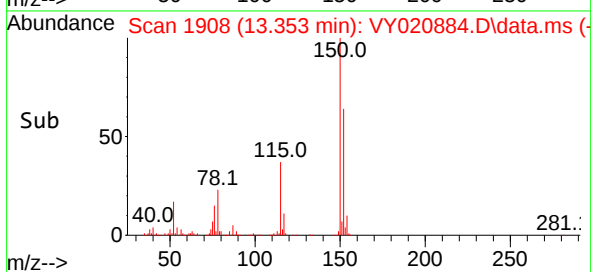
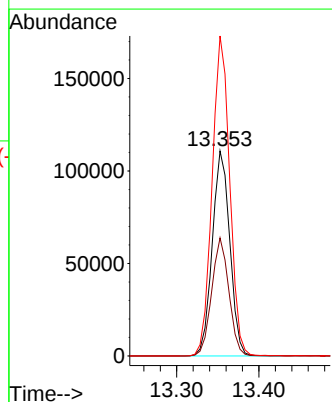
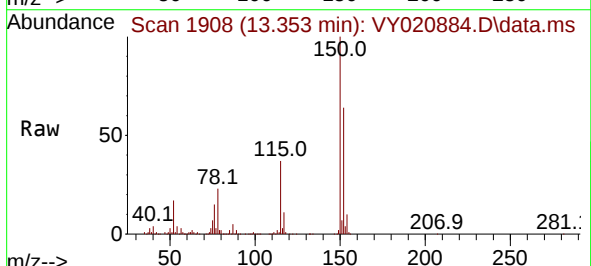
Tgt Ion:152 Resp: 164396

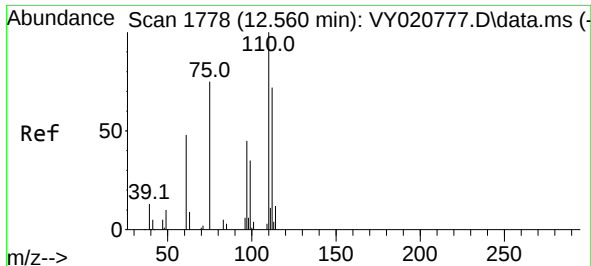
Ion Ratio Lower Upper

152 100

115 56.4 29.0 87.0

150 156.0 0.0 347.4

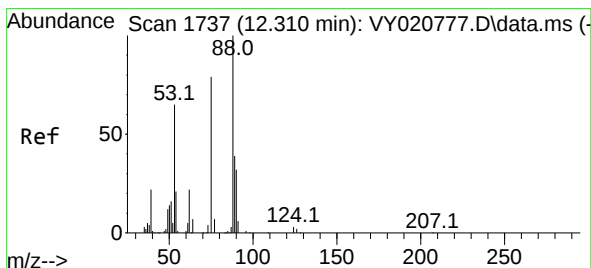
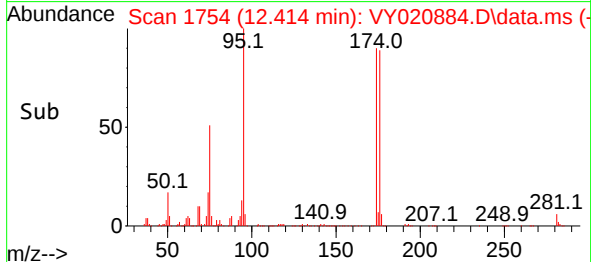
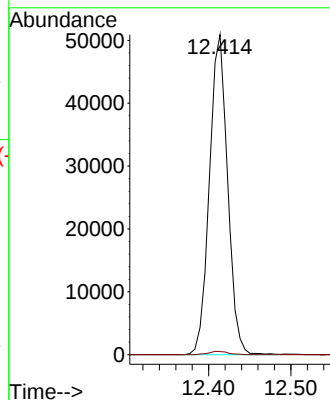
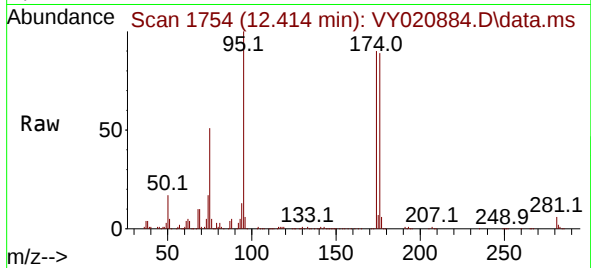




#76
1,2,3-Trichloropropane
Concen: 54.359 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 78192
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.618 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020884.D
Acq: 20 Jan 2025 16:33

Tgt Ion: 75 Resp: 78192
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.2 39.6 59.4#

