

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011525\
 Data File : VY020834.D
 Acq On : 15 Jan 2025 16:03
 Operator : SY/MD
 Sample : 01093-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 16 00:59:30 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)

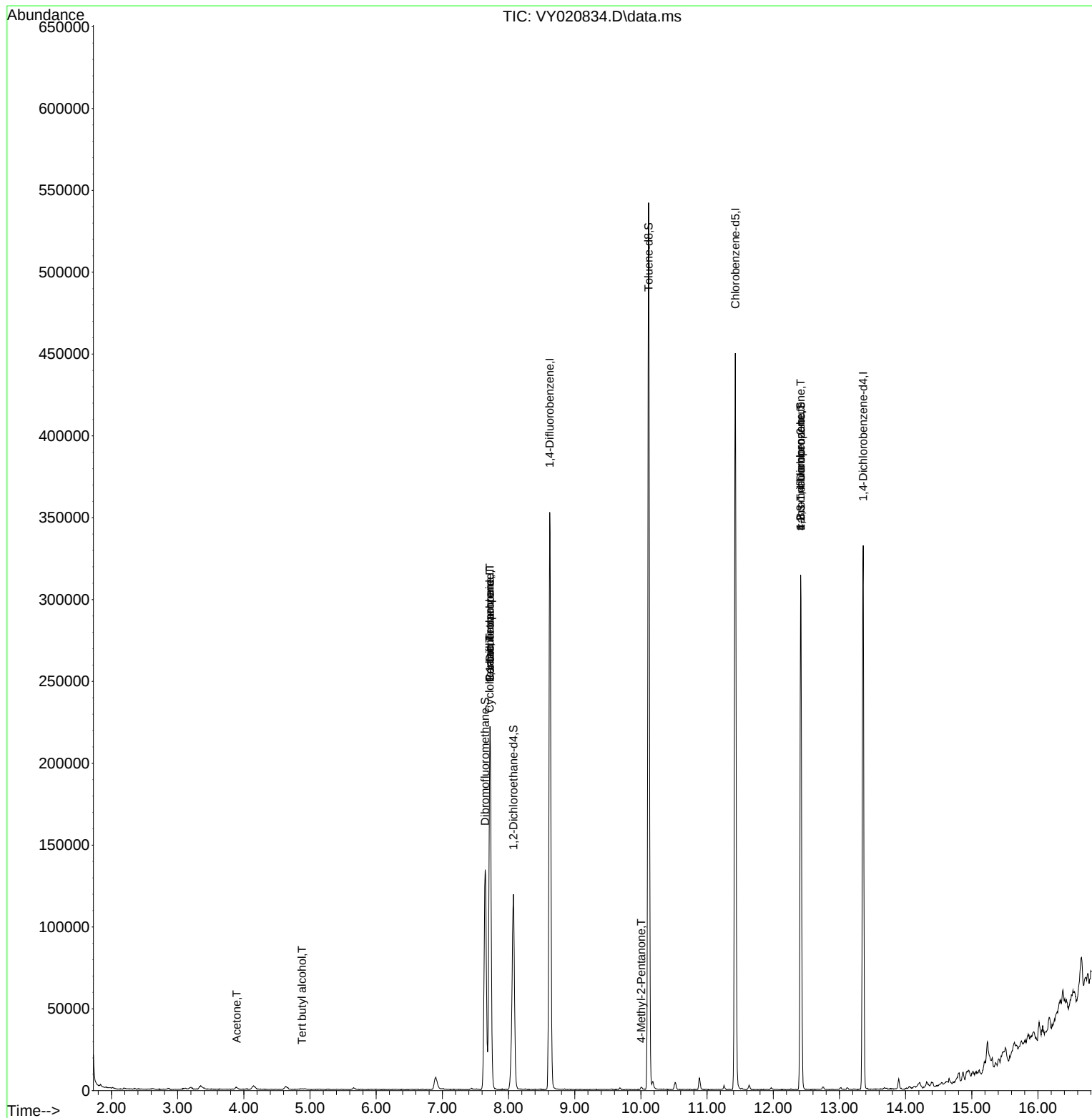
Internal Standards						
1) Pentafluorobenzene	7.719	168	182604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	313437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	253527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	88258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	87348	56.278	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.560%	
35) Dibromofluoromethane	7.646	113	98146	49.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.960%	
50) Toluene-d8	10.115	98	356243	52.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	12.414	95	98677	39.036	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 78.080%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.878	59	534	4.553	ug/l #	73
16) Acetone	3.891	43	2383	10.797	ug/l #	73
31) Cyclohexane	7.713	56	3175	1.406	ug/l #	23
36) 1,1-Dichloropropene	7.719	75	12733	5.084	ug/l #	49
38) Carbon Tetrachloride	7.719	117	17490	5.017	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	1018	1.005	ug/l	95
76) 1,2,3-Trichloropropane	12.414	75	49350	63.905	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	49350	134.746	ug/l #	14

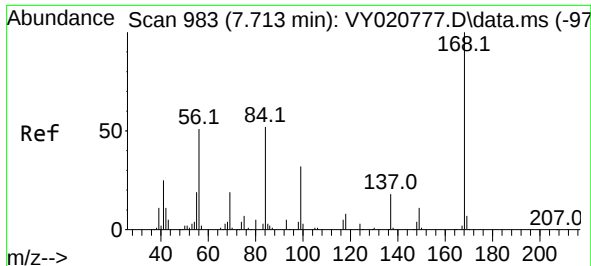
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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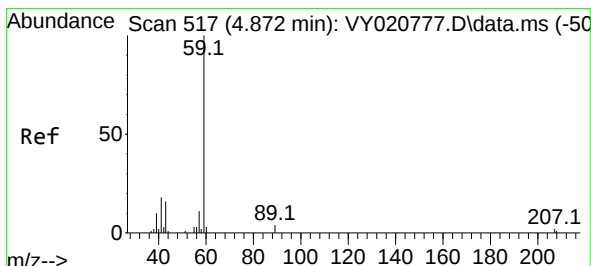
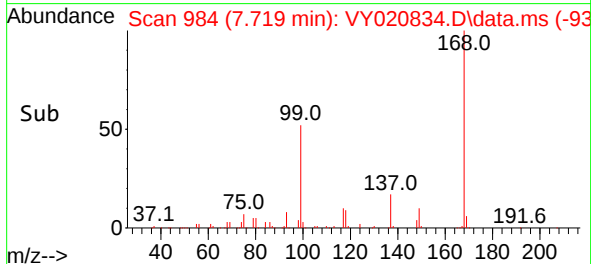
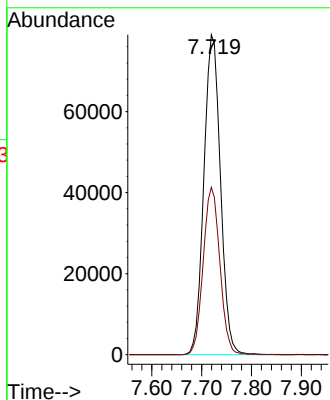
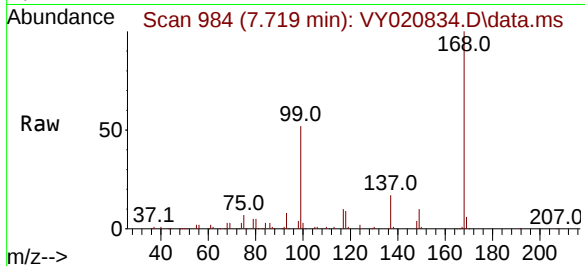




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

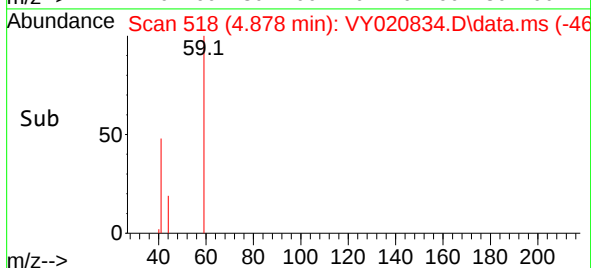
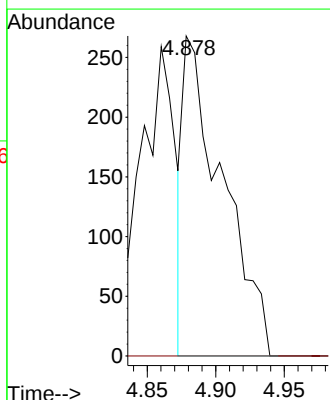
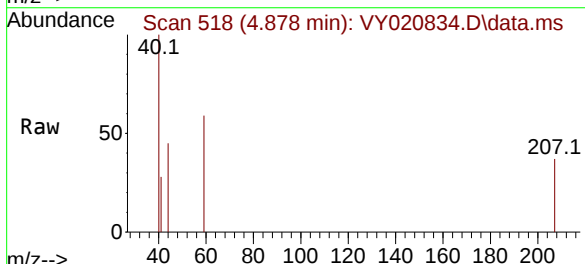
Instrument :
MSVOA_Y
ClientSampleId :

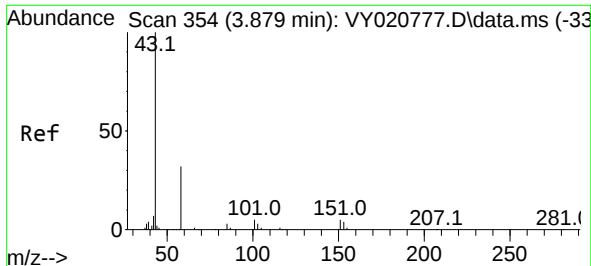
Tgt Ion:168 Resp: 182604
Ion Ratio Lower Upper
168 100
99 52.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 4.553 ug/l
RT: 4.878 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

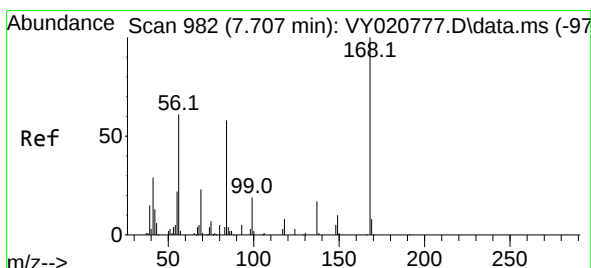
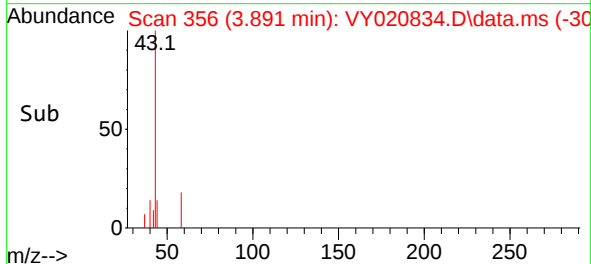
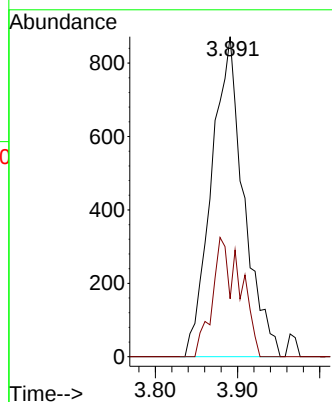
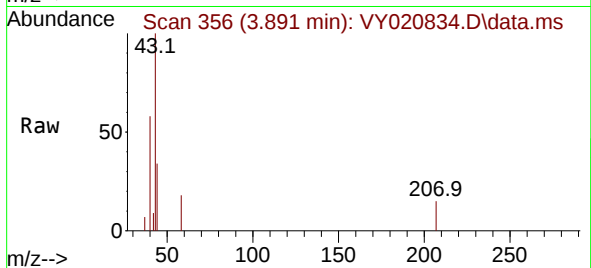




#16
Acetone
Concen: 10.797 ug/l
RT: 3.891 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

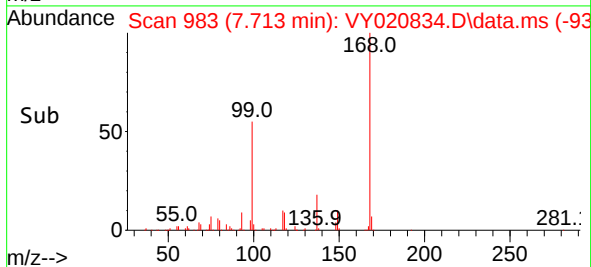
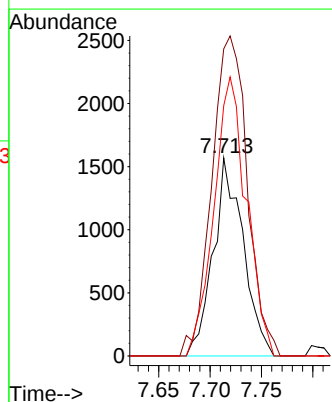
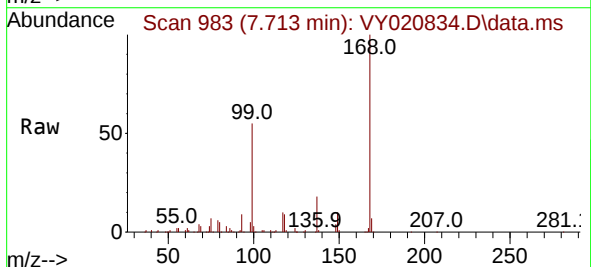
Instrument :
MSVOA_Y
ClientSampleId :

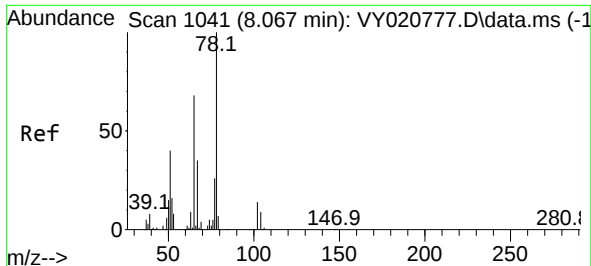
Tgt Ion: 43 Resp: 2383
Ion Ratio Lower Upper
43 100
58 18.1 26.7 40.1#



#31
Cyclohexane
Concen: 1.406 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

Tgt Ion: 56 Resp: 3175
Ion Ratio Lower Upper
56 100
69 155.0 30.5 45.7#
84 126.3 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 56.278 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY020834.D

Acq: 15 Jan 2025 16:03

Instrument :

MSVOA_Y

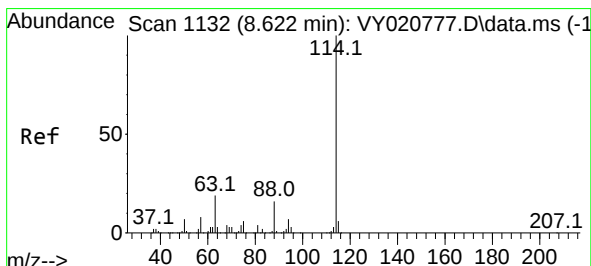
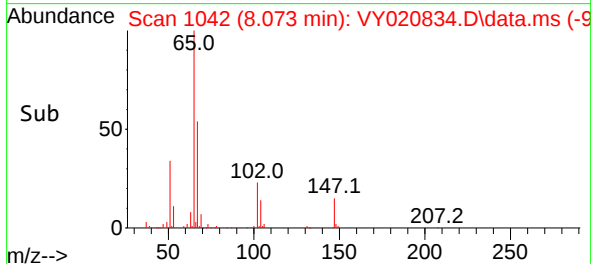
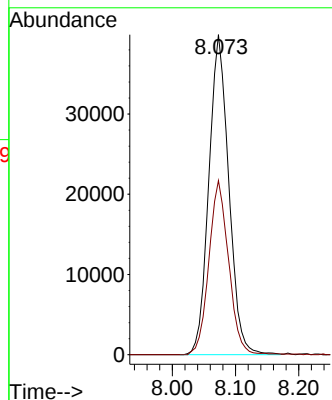
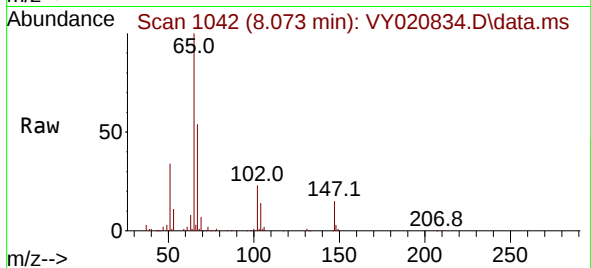
ClientSampleId :

Tgt Ion: 65 Resp: 87348

Ion Ratio Lower Upper

65 100

67 54.0 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: VY020834.D

Acq: 15 Jan 2025 16:03

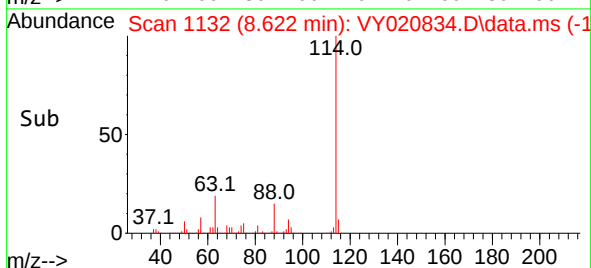
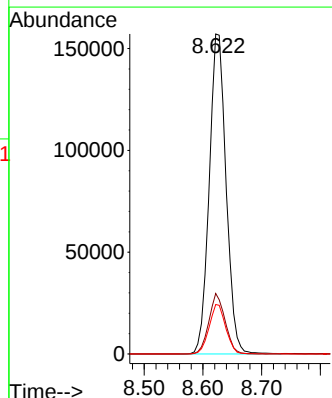
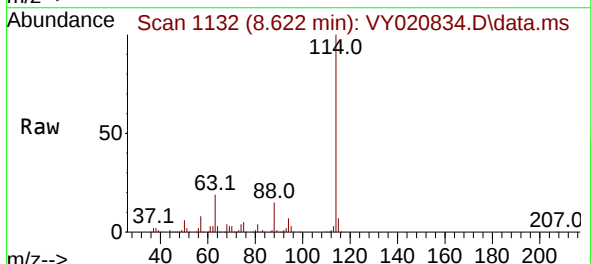
Tgt Ion:114 Resp: 313437

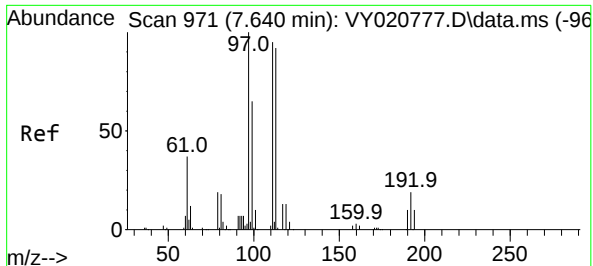
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 15.5 0.0 31.2

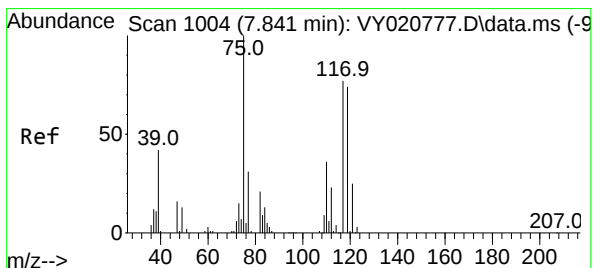
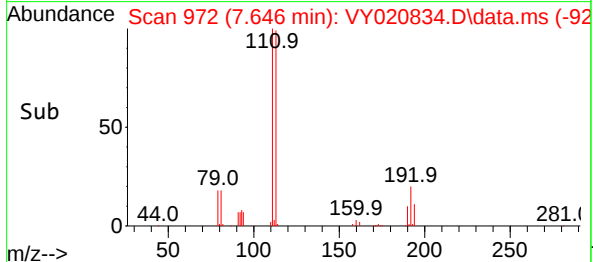
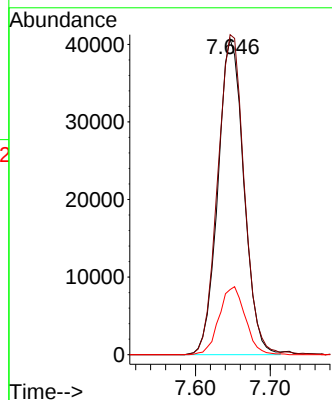
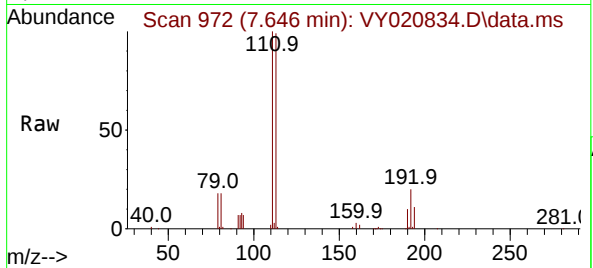




#35
Dibromofluoromethane
Concen: 49.981 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

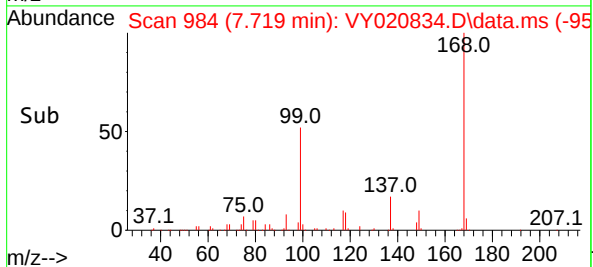
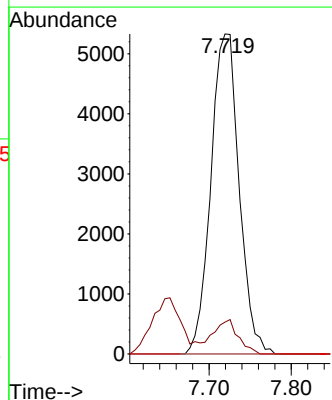
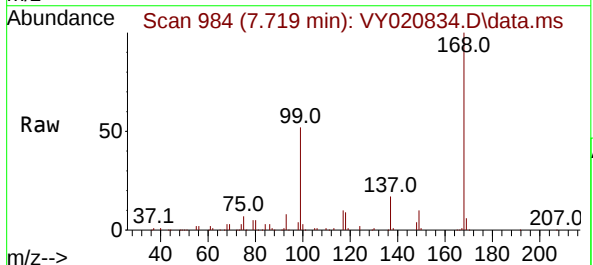
Instrument :
MSVOA_Y
ClientSampleId :

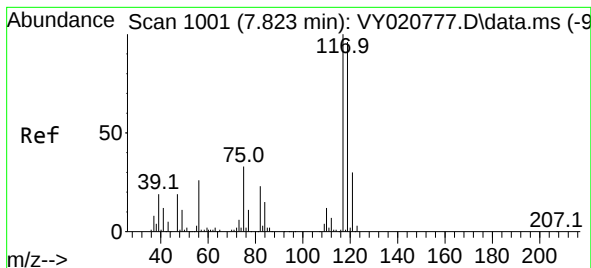
Tgt Ion:113 Resp: 98146
Ion Ratio Lower Upper
113 100
111 103.8 81.7 122.5
192 21.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

Tgt Ion: 75 Resp: 12733
Ion Ratio Lower Upper
75 100
110 9.6 18.5 55.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.017 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

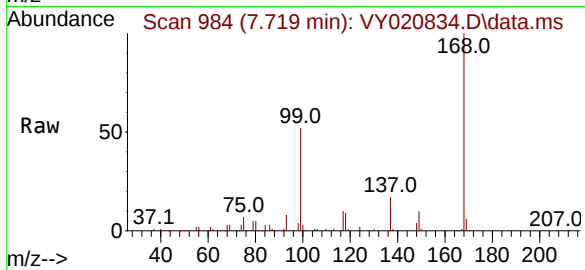
Lab File: VY020834.D

Acq: 15 Jan 2025 16:03

Instrument :

MSVOA_Y

ClientSampleId :



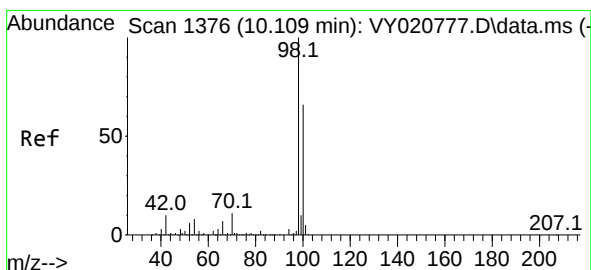
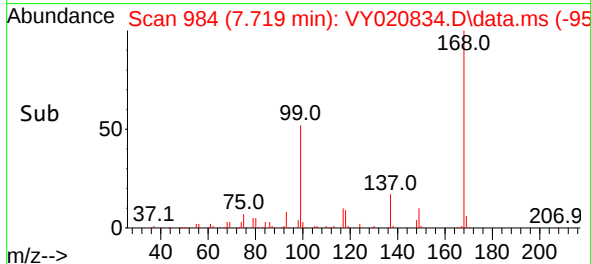
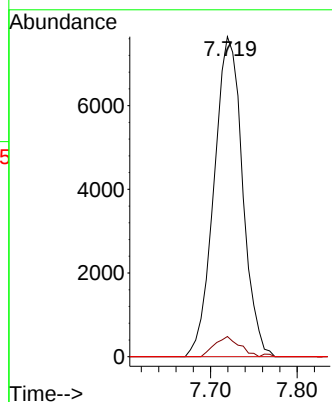
Tgt Ion:117 Resp: 17490

Ion Ratio Lower Upper

117 100

119 6.3 76.5 114.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 52.042 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020834.D

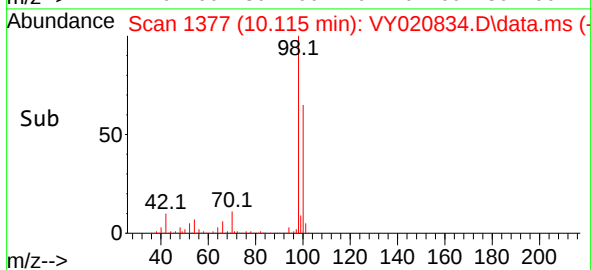
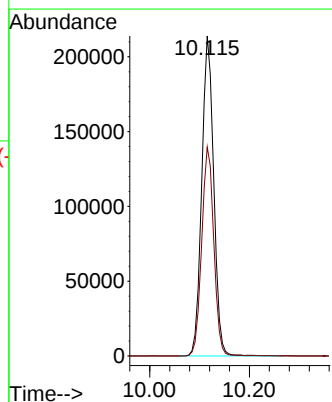
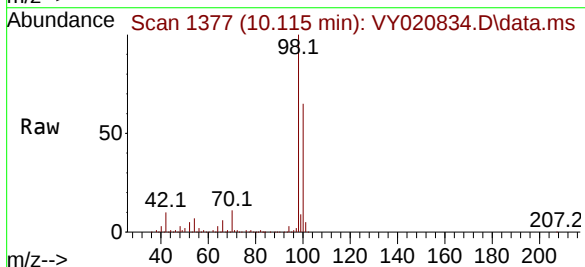
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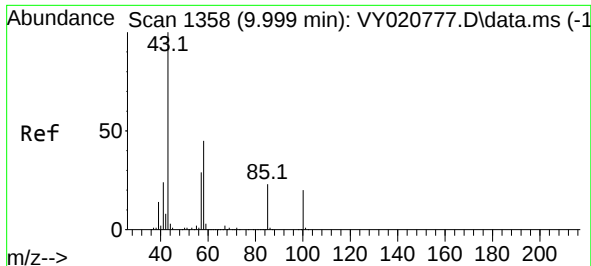
Tgt Ion: 98 Resp: 356243

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.005 ug/l

RT: 10.006 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020834.D

Acq: 15 Jan 2025 16:03

Instrument :

MSVOA_Y

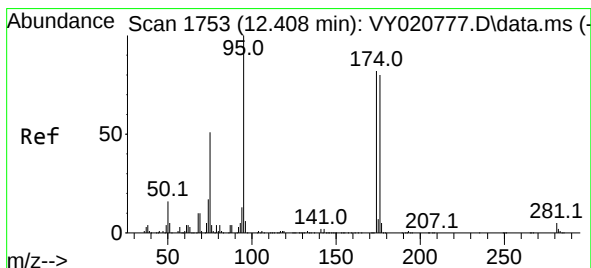
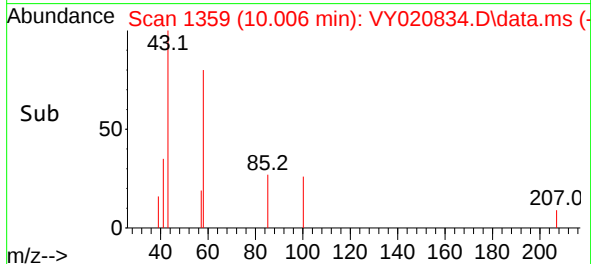
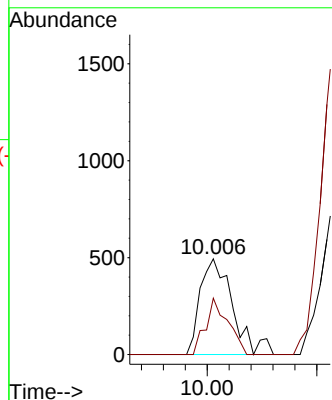
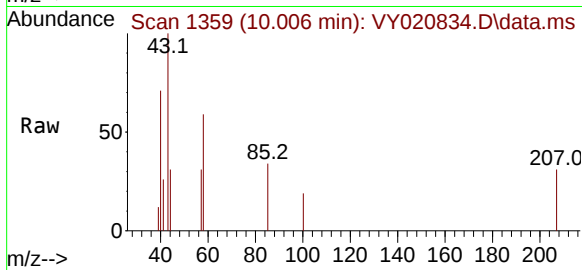
ClientSampleId :

Tgt Ion: 43 Resp: 1018

Ion Ratio Lower Upper

43 100

58 40.6 34.8 52.2



#62

4-Bromofluorobenzene

Concen: 39.036 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.006 min

Lab File: VY020834.D

Acq: 15 Jan 2025 16:03

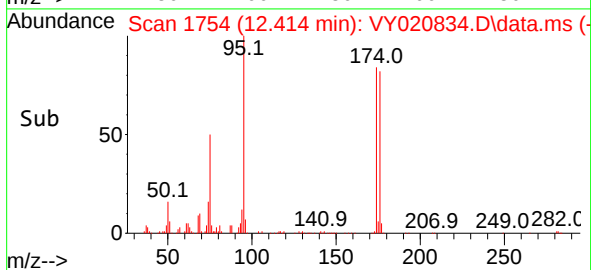
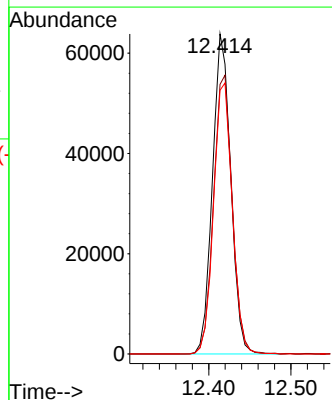
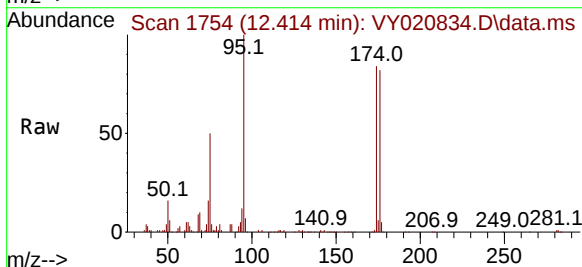
Tgt Ion: 95 Resp: 98677

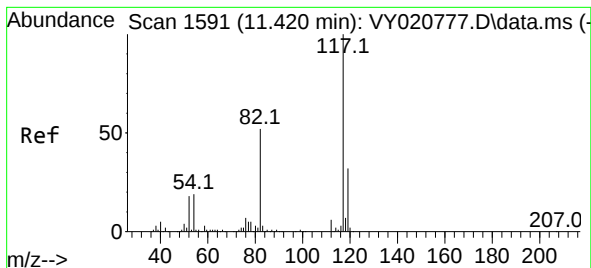
Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.0

176 86.7 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020834.D

Acq: 15 Jan 2025 16:03

Instrument :

MSVOA_Y

ClientSampleId :

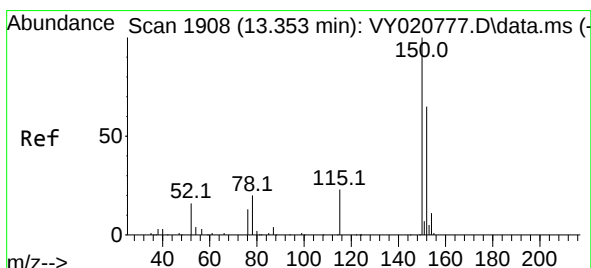
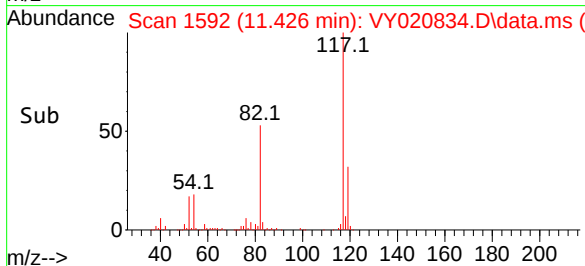
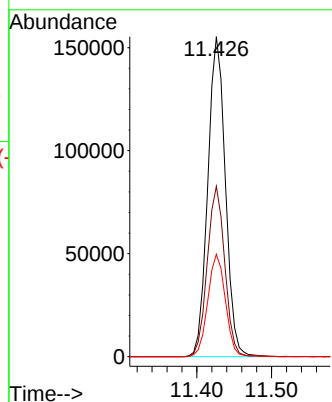
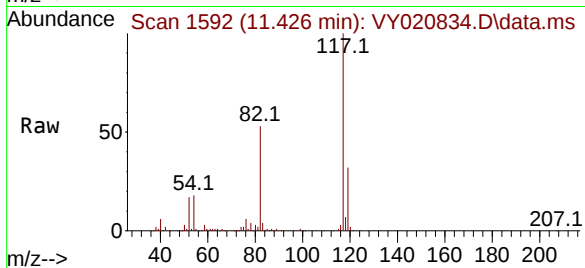
Tgt Ion:117 Resp: 253527

Ion Ratio Lower Upper

117 100

82 53.2 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. 0.006 min

Lab File: VY020834.D

Acq: 15 Jan 2025 16:03

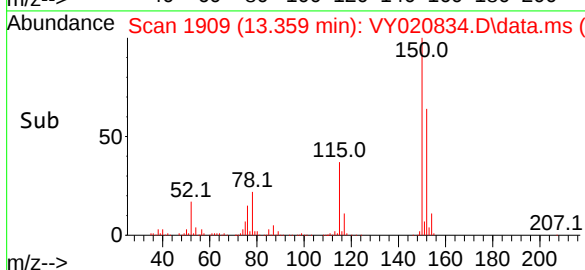
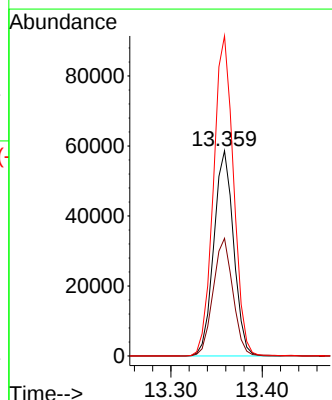
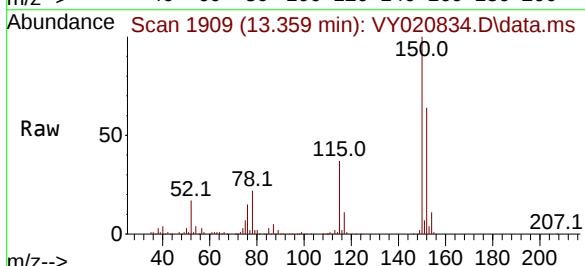
Tgt Ion:152 Resp: 88258

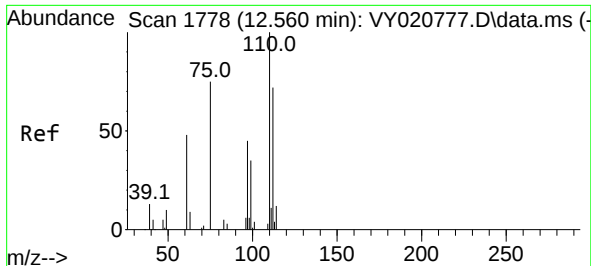
Ion Ratio Lower Upper

152 100

115 57.0 29.0 87.0

150 157.9 0.0 347.4

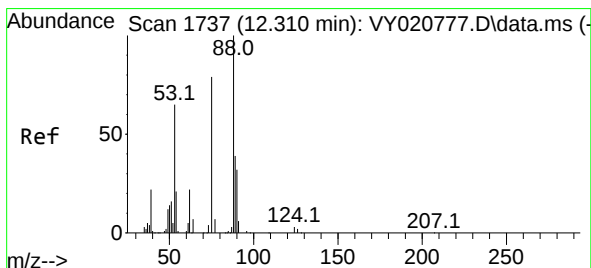
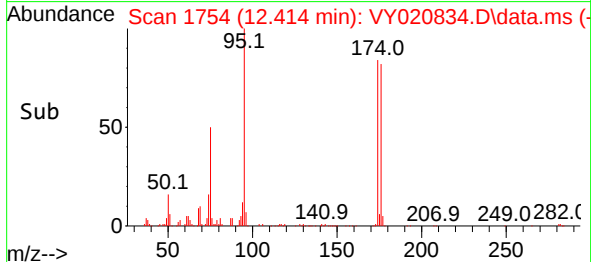
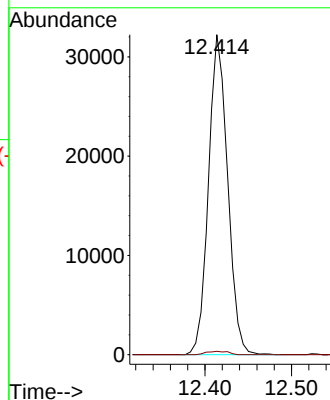
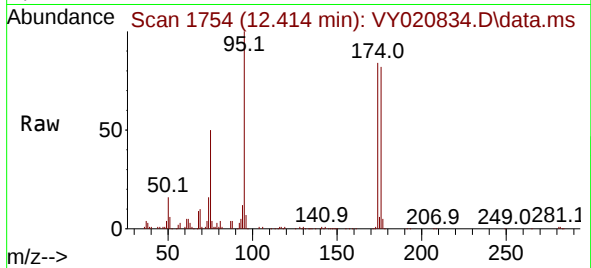




#76
1,2,3-Trichloropropane
Concen: 63.905 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 49350
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.746 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020834.D
Acq: 15 Jan 2025 16:03

Tgt Ion: 75 Resp: 49350
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#

