

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011425\
 Data File : VY020821.D
 Acq On : 14 Jan 2025 14:23
 Operator : SY/MD
 Sample : Q1077-01RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 03:29:48 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	0.000	168	0	0.000	ug/l	-7.71
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.62
63) Chlorobenzene-d5	11.432	117	104	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.365	152	25	50.000	ug/l	# 0.01

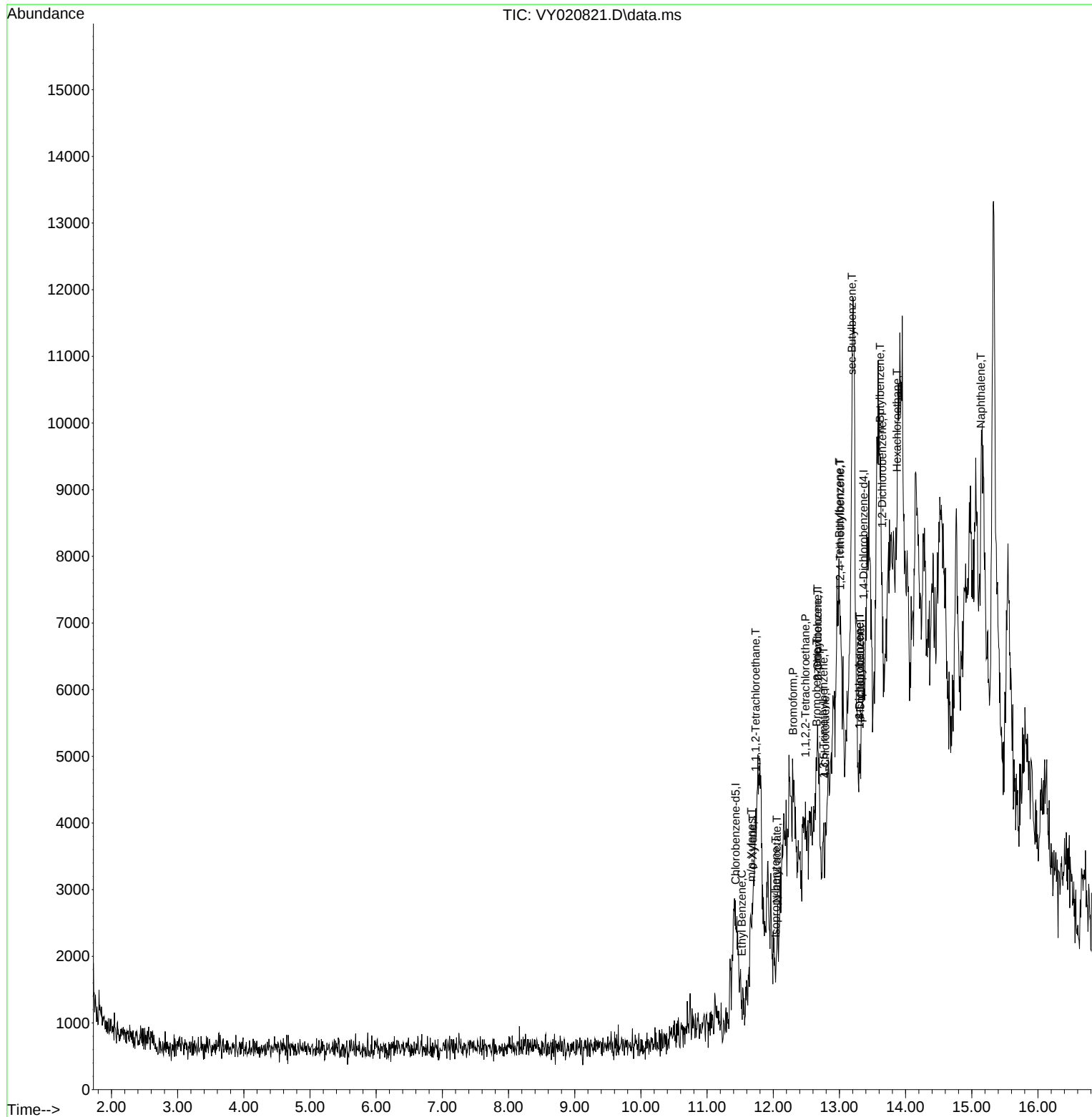
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 134	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.389	95	244	0.000	ug/l	-0.02
Spiked Amount	50.000	Range	29 - 146	Recovery	=	0.000%#

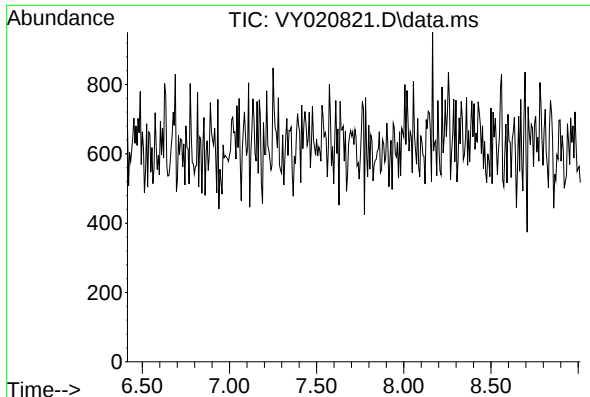
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
66) 1,1,1,2-Tetrachloroethane	11.731	131	87	99.387	ug/l	77
67) Ethyl Benzene	11.524	91	198	49.736	ug/l #	43
68) m/p-Xylenes	11.670	106	19	12.396	ug/l #	1
69) o-Xylene	11.688	106	22	15.138	ug/l	98
71) Bromoform	12.298	173	30	60.286	ug/l #	29
73) Isopropylbenzene	12.036	105	121	61.009	ug/l	80
74) N-amyl acetate	12.054	43	158	487.028	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.487	83	306	1017.970	ug/l #	8
77) Bromobenzene	12.658	156	151	330.227	ug/l #	1
78) n-propylbenzene	12.670	91	68	30.207	ug/l	86
79) 2-Chlorotoluene	12.670	91	68	52.455	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.761	105	123	76.526	ug/l	86
82) 4-Chlorotoluene	12.786	91	173	129.314	ug/l #	40
83) tert-Butylbenzene	12.999	119	84	55.877	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.011	105	69	43.961	ug/l #	31
85) sec-Butylbenzene	13.188	105	247	117.631	ug/l	94
86) p-Isopropyltoluene	13.316	119	48	26.797	ug/l #	1
87) 1,3-Dichlorobenzene	13.304	146	38	42.770	ug/l #	1
88) 1,4-Dichlorobenzene	13.304	146	38	43.449	ug/l #	1
89) n-Butylbenzene	13.615	91	150	96.525	ug/l #	77
90) Hexachloroethane	13.871	117	261	725.643	ug/l #	6
91) 1,2-Dichlorobenzene	13.645	146	19	24.458	ug/l #	1
95) Naphthalene	15.139	128	129	175.317	ug/l #	1

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

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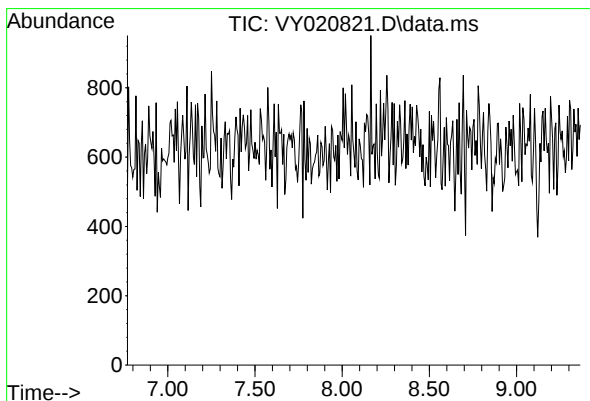
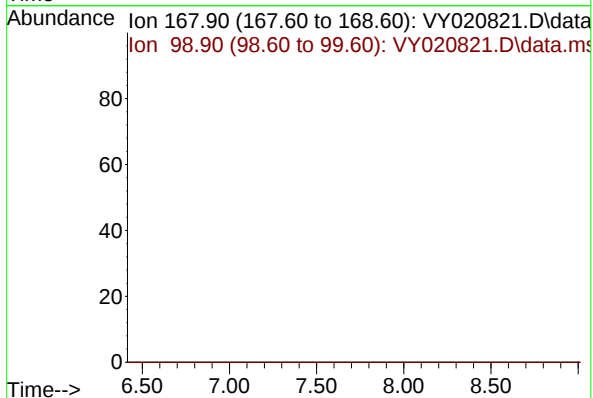




#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.71 min

Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

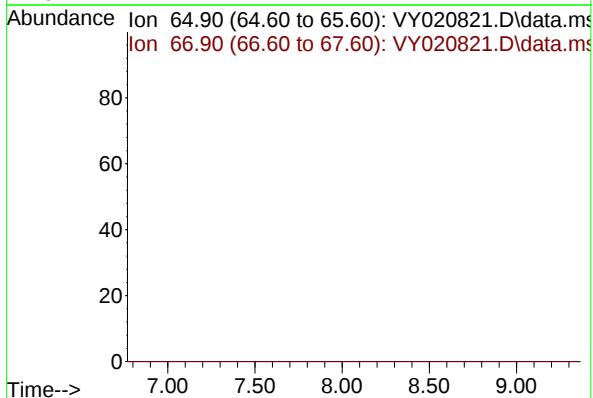
Tgt Ion: 168
Sig Exp Ratio
168 100
99 55.4

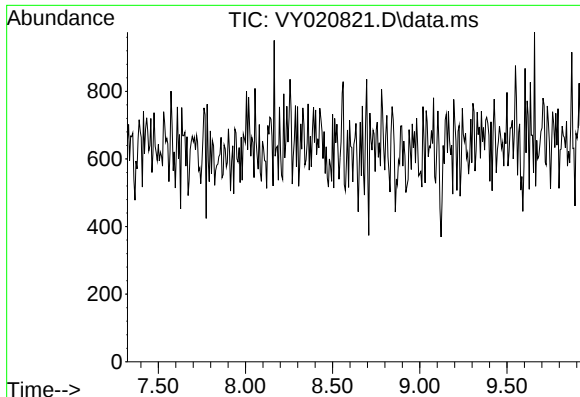


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.07 min

Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

Tgt Ion: 65
Sig Exp Ratio
65 100
67 51.4

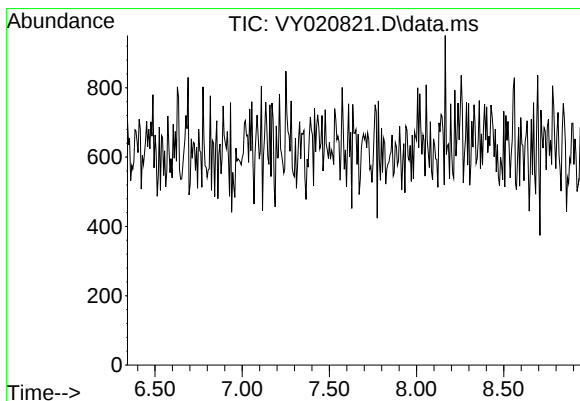
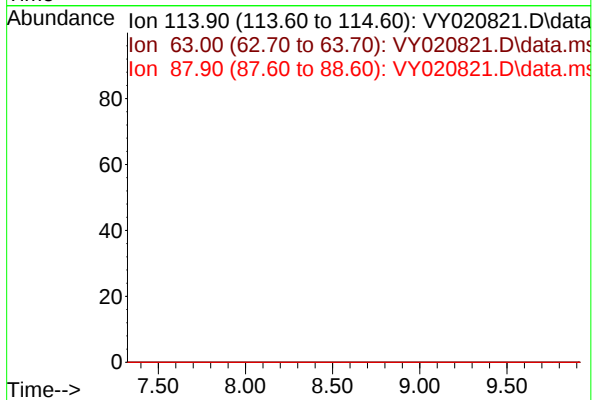




#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 8.62 min

Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

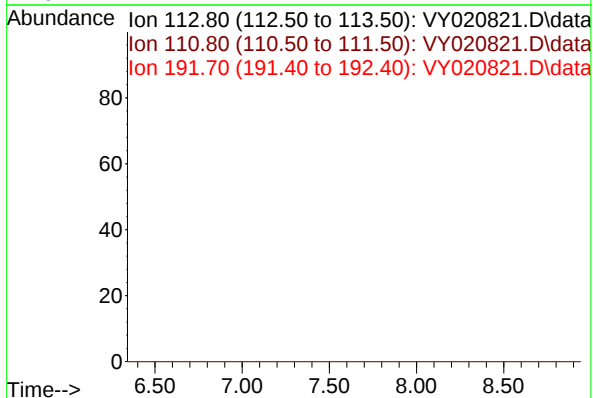
Tgt Ion	Sig	Exp Ratio
114	100	
63	19.2	
88	15.6	

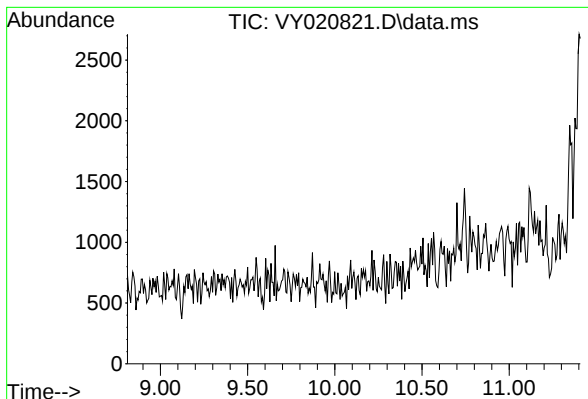


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.64 min

Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

Tgt Ion	Sig	Exp Ratio
113	100	
111	102.1	
192	20.9	

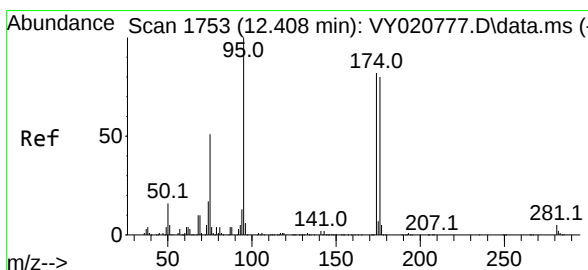
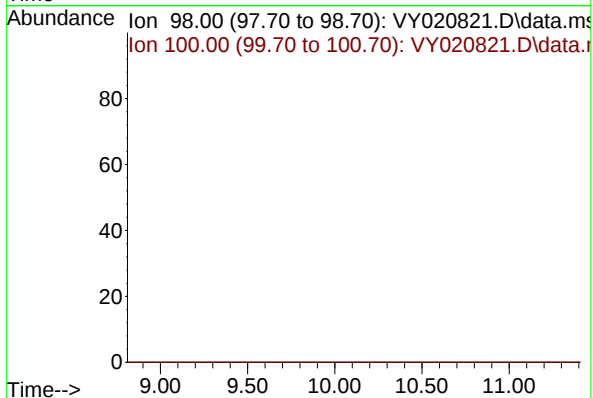




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.11 min

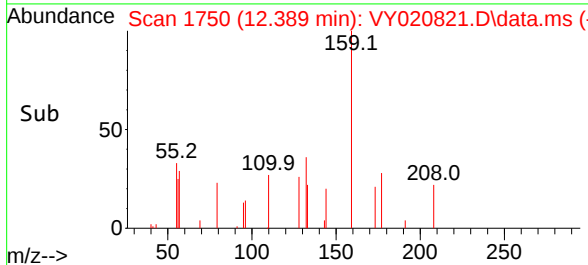
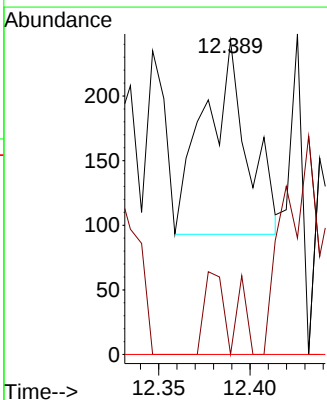
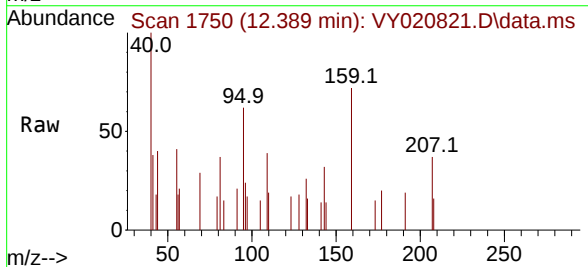
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

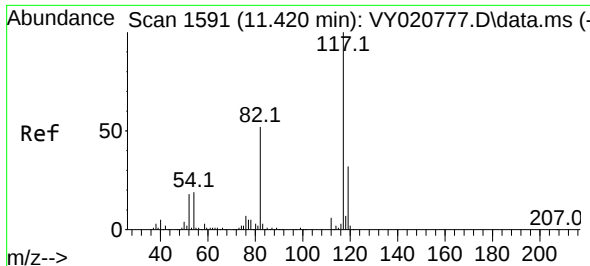
Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.6



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.389 min Scan# 1750
Delta R.T. -0.018 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

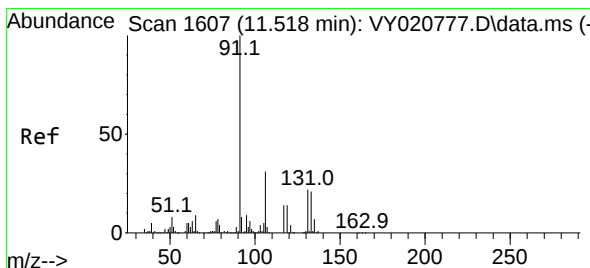
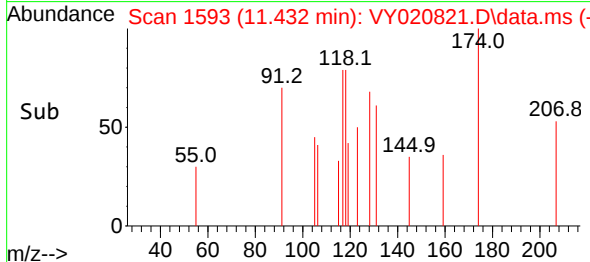
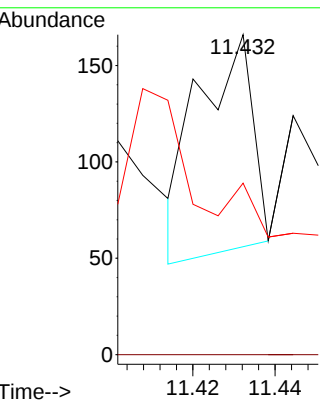
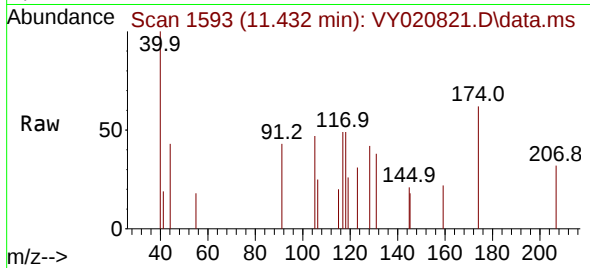
Tgt Ion: 95 Resp: 244
Ion Ratio Lower Upper
95 100
174 27.9 0.0 178.0
176 0.0 0.0 172.0





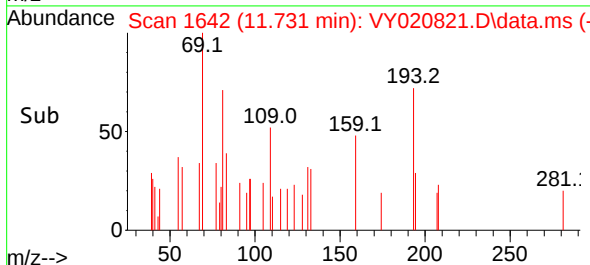
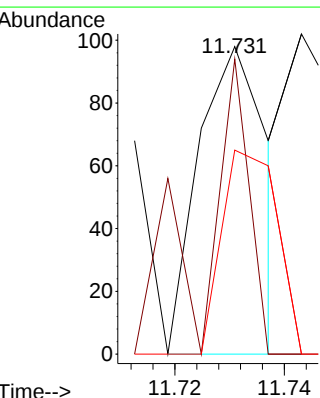
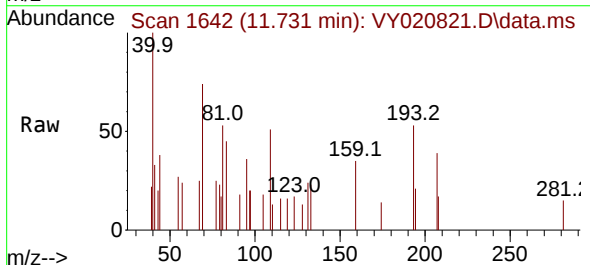
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.432 min Scan# 1593
Delta R.T. 0.012 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

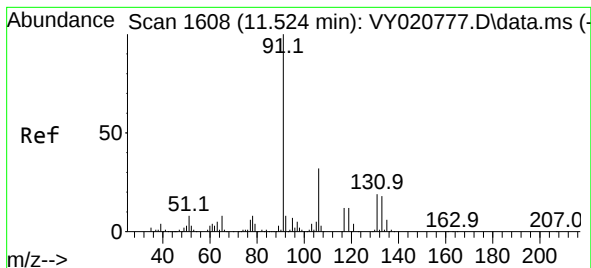
Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	41.8	62.6#
119	26.2	25.8	38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 99.387 ug/l
RT: 11.731 min Scan# 1642
Delta R.T. 0.213 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

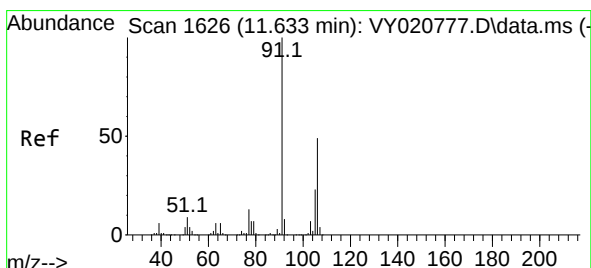
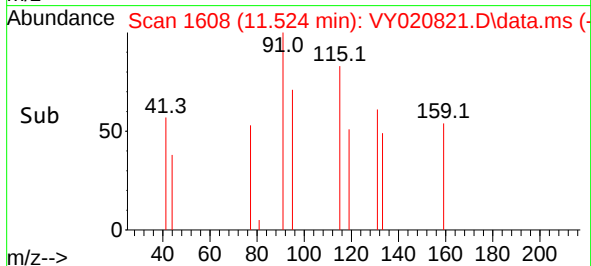
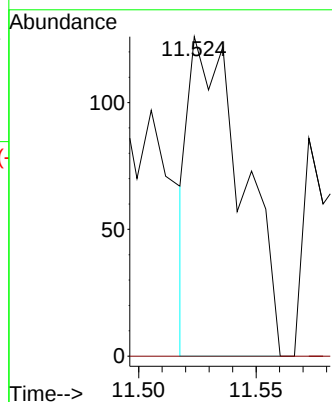
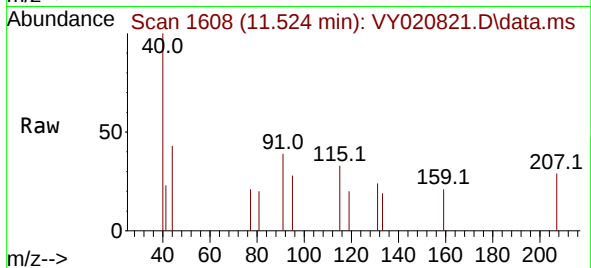
Tgt Ion	Ratio	Lower	Upper
131	100		
133	63.2	46.9	140.8
119	52.9	30.2	90.6





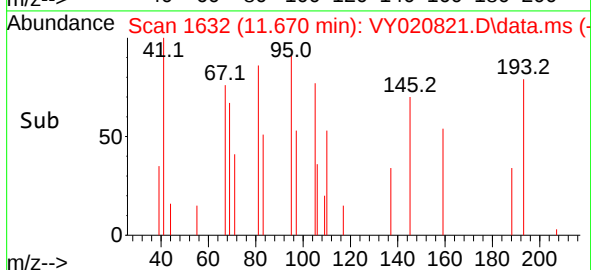
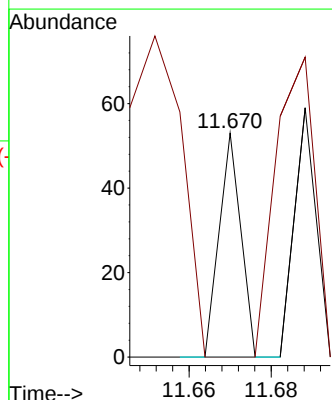
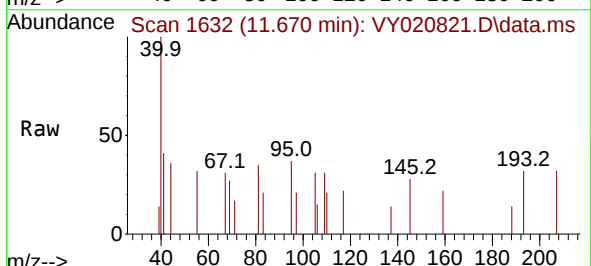
#67
Ethyl Benzene
Concen: 49.736 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

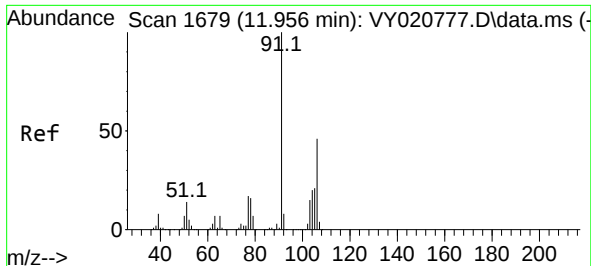
Tgt Ion: 91 Resp: 198
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#68
m/p-Xylenes
Concen: 12.396 ug/l
RT: 11.670 min Scan# 1632
Delta R.T. 0.037 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

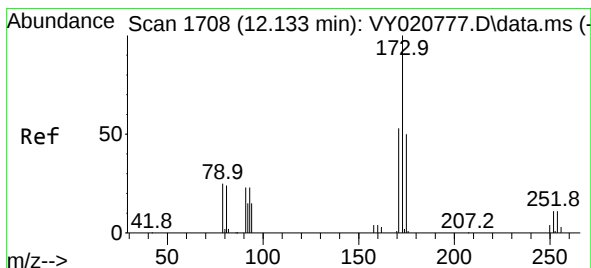
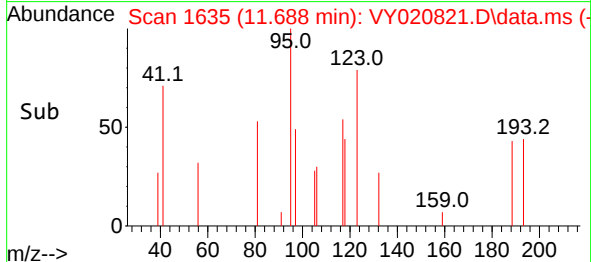
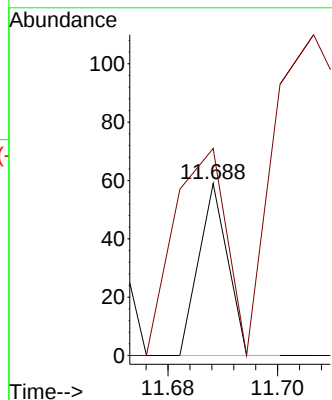
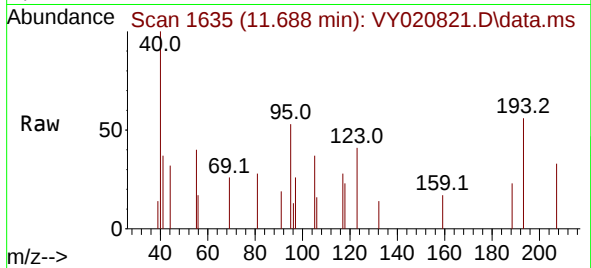
Tgt Ion:106 Resp: 19
Ion Ratio Lower Upper
106 100
91 373.7 162.6 243.8#





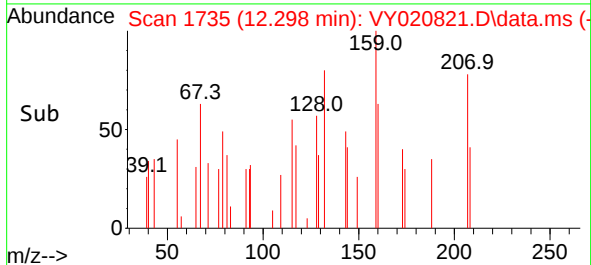
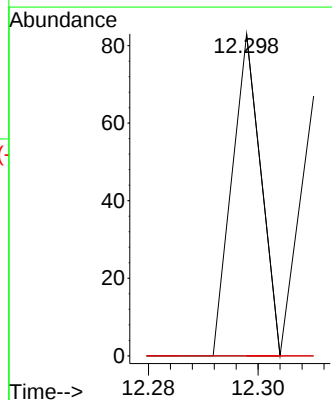
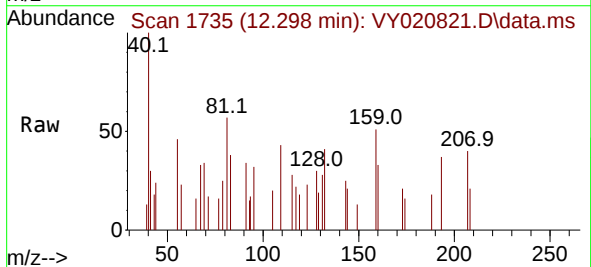
#69
o-Xylene
Concen: 15.138 ug/l
RT: 11.688 min Scan# 1635
Delta R.T. -0.268 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

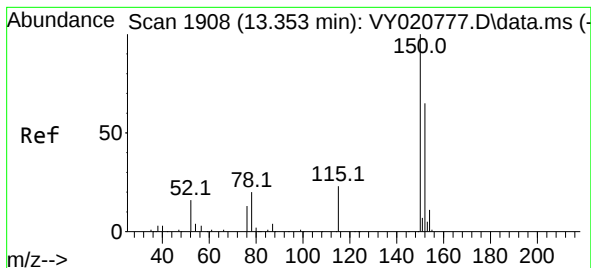
Tgt Ion:106 Resp: 22
Ion Ratio Lower Upper
106 100
91 213.6 108.2 324.6



#71
Bromoform
Concen: 60.286 ug/l
RT: 12.298 min Scan# 1735
Delta R.T. 0.165 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

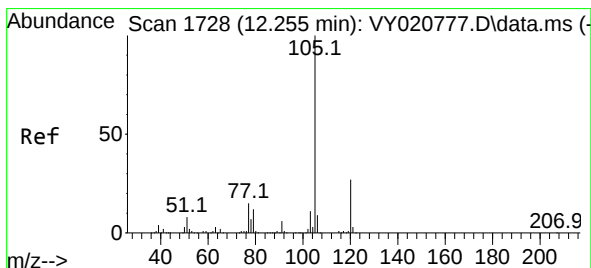
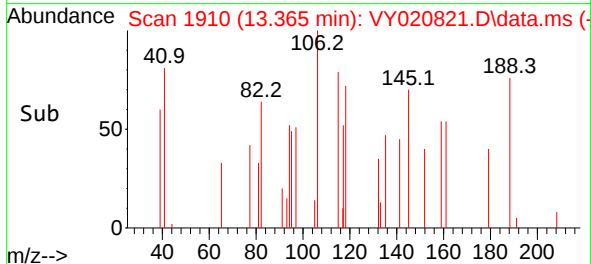
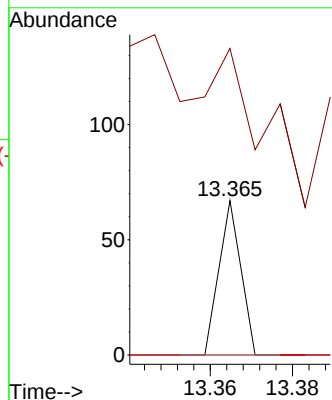
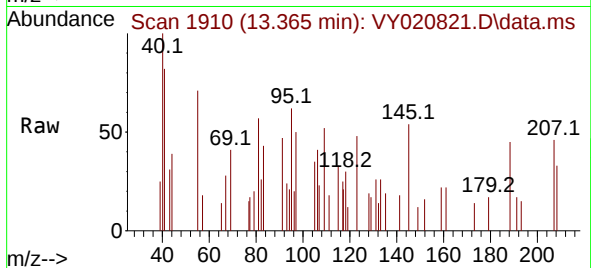
Tgt Ion:173 Resp: 30
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0





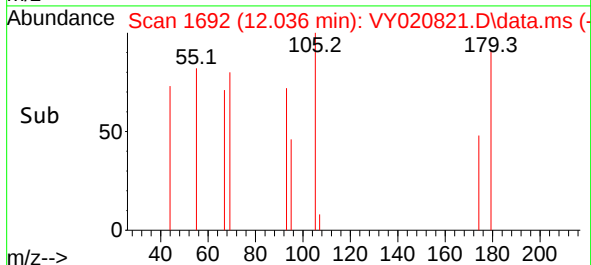
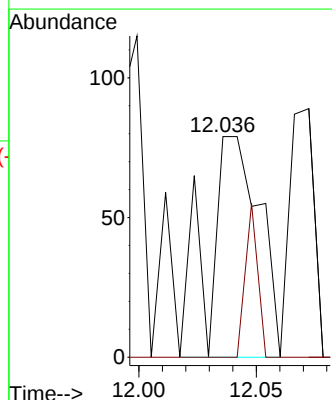
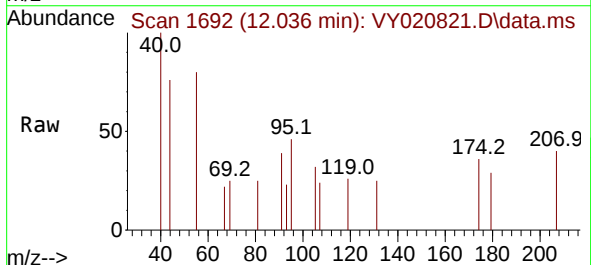
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.012 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

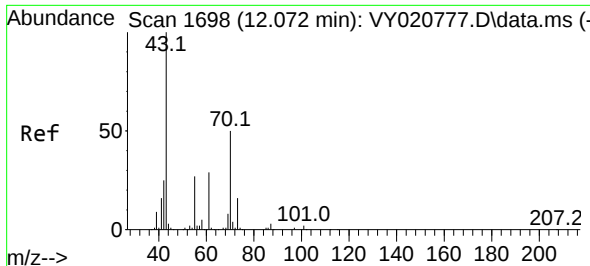
Tgt Ion:152 Resp: 25
Ion Ratio Lower Upper
152 100
115 968.0 29.0 87.0#
150 0.0 0.0 347.4



#73
Isopropylbenzene
Concen: 61.009 ug/l
RT: 12.036 min Scan# 1692
Delta R.T. -0.219 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

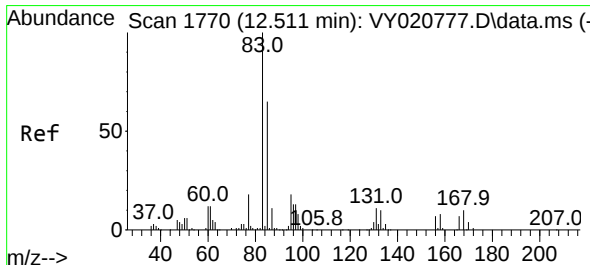
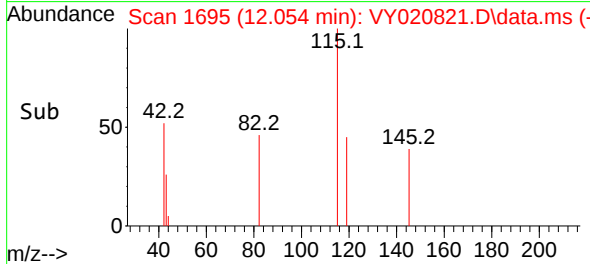
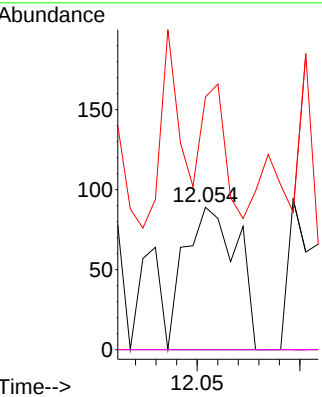
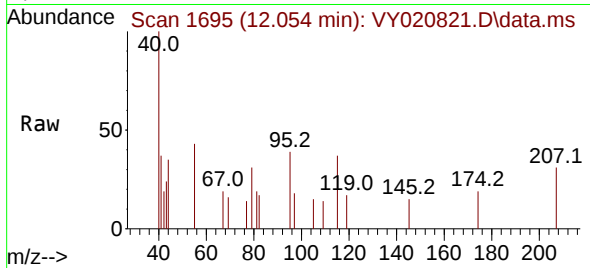
Tgt Ion:105 Resp: 121
Ion Ratio Lower Upper
105 100
120 16.5 13.3 39.9





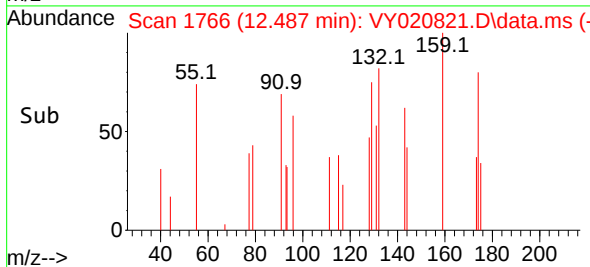
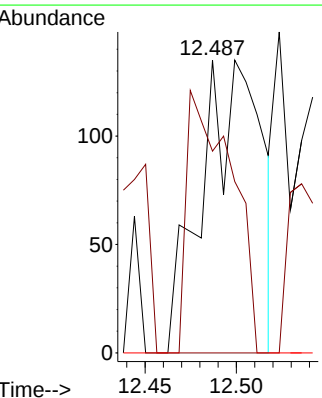
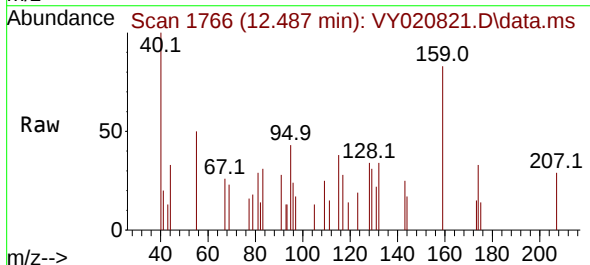
#74
N-amy1 acetate
Concen: 487.028 ug/l
RT: 12.054 min Scan# 1695
Delta R.T. -0.018 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

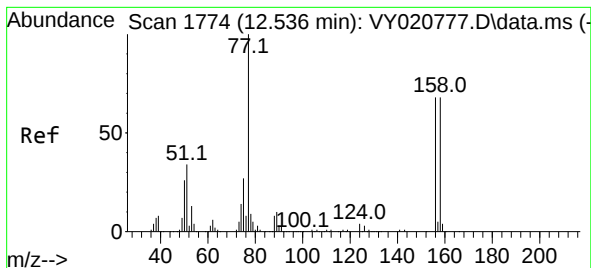
Tgt Ion: 43	Resp: 158
Ion Ratio	Lower Upper
43	100
70	0.0 40.2 60.4#
55	46.8 21.2 31.8#
61	0.0 22.1 33.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 1017.970 ug/l
RT: 12.487 min Scan# 1766
Delta R.T. -0.024 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

Tgt Ion: 83	Resp: 306
Ion Ratio	Lower Upper
83	100
131	68.0 6.0 18.0#
85	0.0 32.0 96.2#





#77

Bromobenzene

Concen: 330.227 ug/l

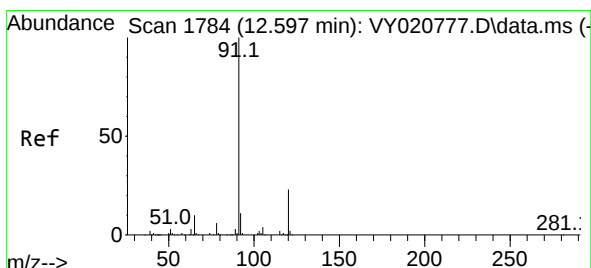
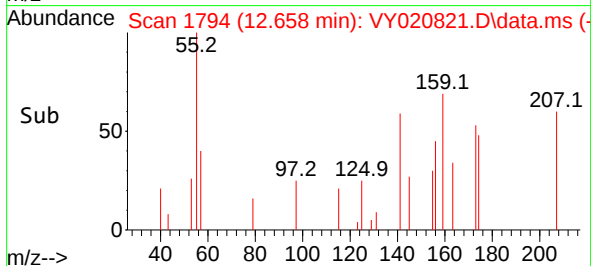
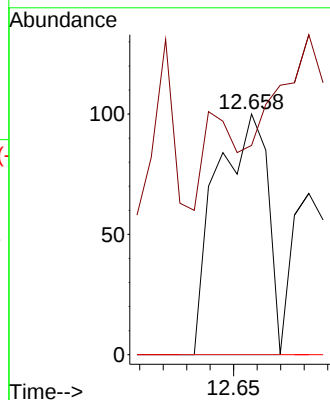
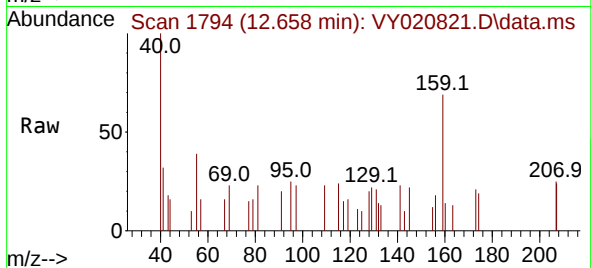
RT: 12.658 min Scan# 1794

Delta R.T. 0.122 min

Lab File: VY020821.D

Acq: 14 Jan 2025 14:23

Tgt Ion:	156	Resp:	151
Ion	Ratio	Lower	Upper
156	100		
77	24.5	82.3	247.0#
158	0.0	48.0	144.0#



#78

n-propylbenzene

Concen: 30.207 ug/l

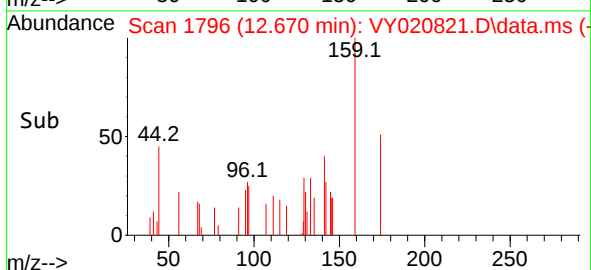
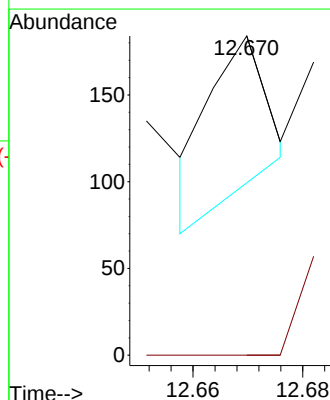
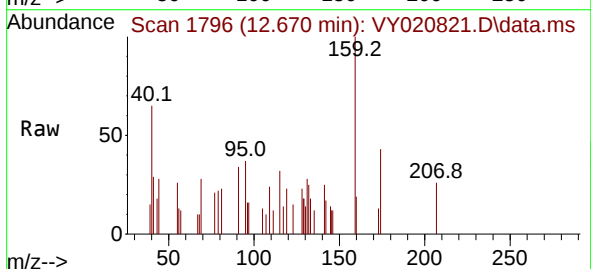
RT: 12.670 min Scan# 1796

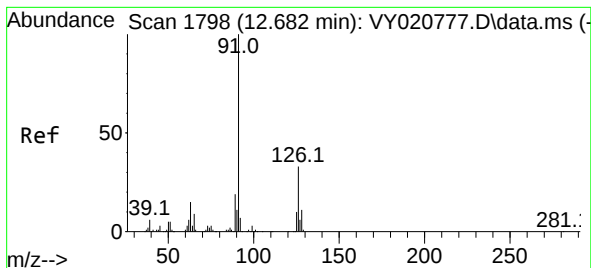
Delta R.T. 0.073 min

Lab File: VY020821.D

Acq: 14 Jan 2025 14:23

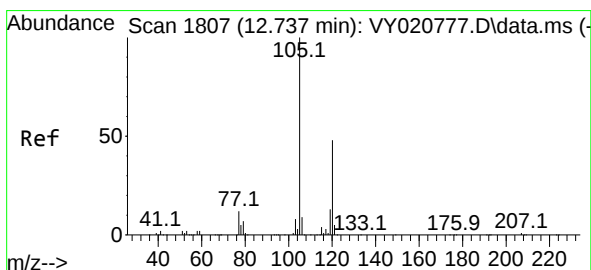
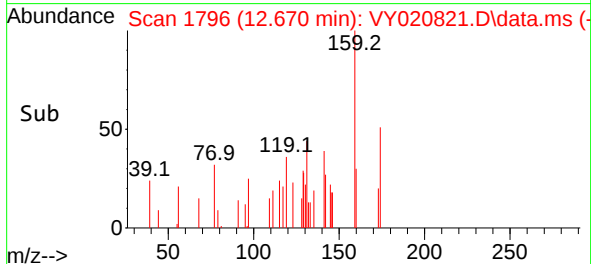
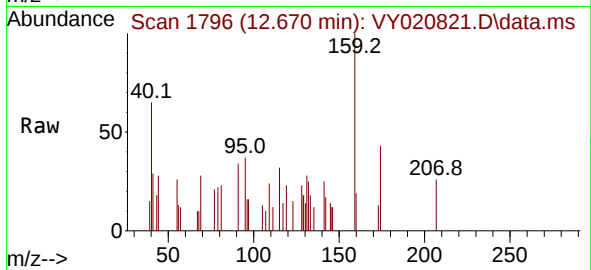
Tgt Ion:	91	Resp:	68
Ion	Ratio	Lower	Upper
91	100		
120	30.9	12.0	36.1





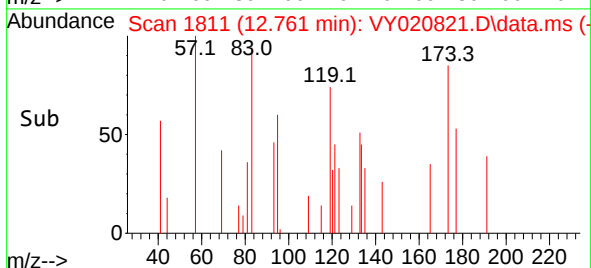
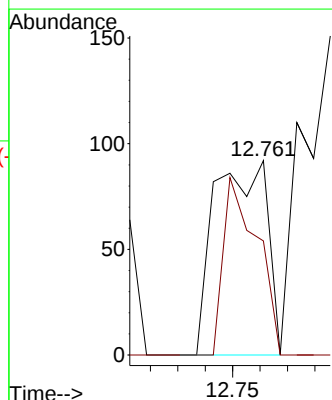
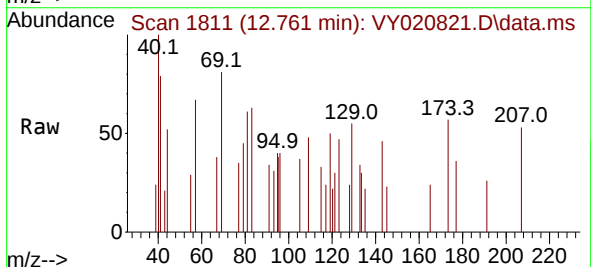
#79
2-Chlorotoluene
Concen: 52.455 ug/l
RT: 12.670 min Scan# 1796
Delta R.T. -0.012 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

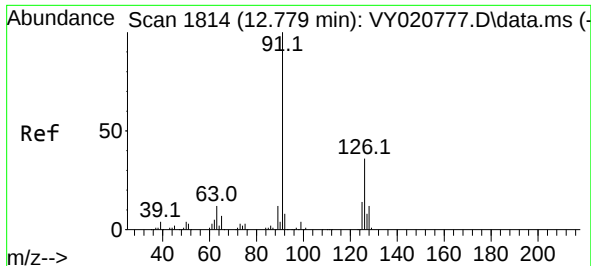
Tgt Ion: 91 Resp: 68
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#



#80
1,3,5-Trimethylbenzene
Concen: 76.526 ug/l
RT: 12.761 min Scan# 1811
Delta R.T. 0.024 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

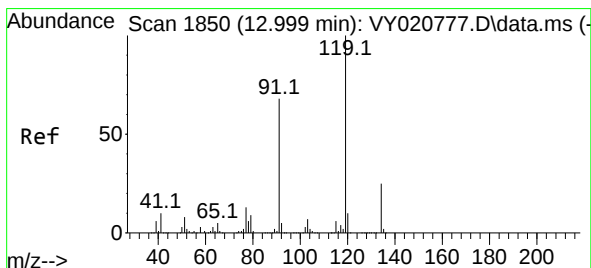
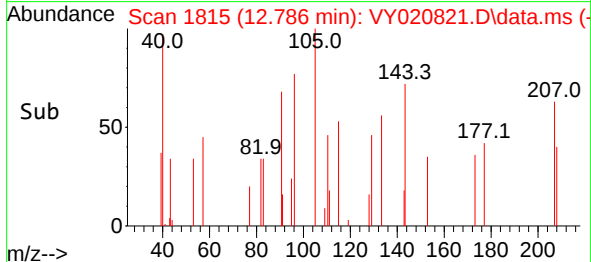
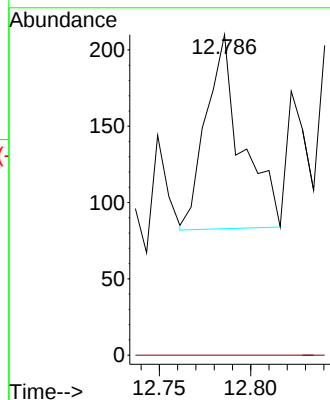
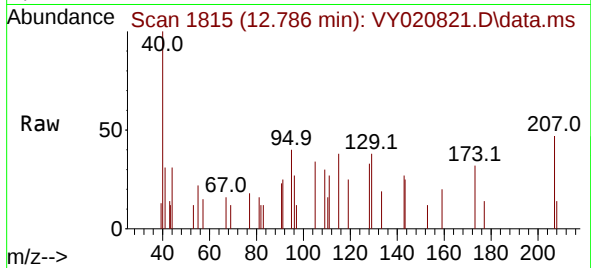
Tgt Ion: 105 Resp: 123
Ion Ratio Lower Upper
105 100
120 58.5 24.5 73.5





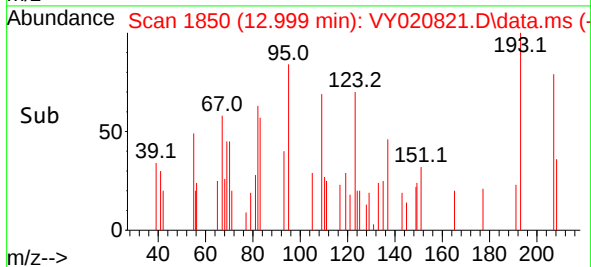
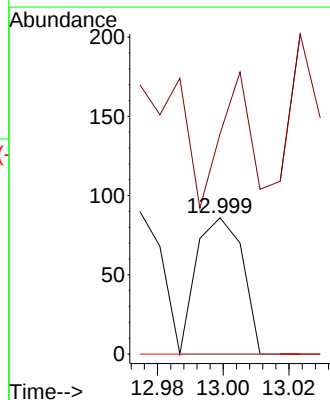
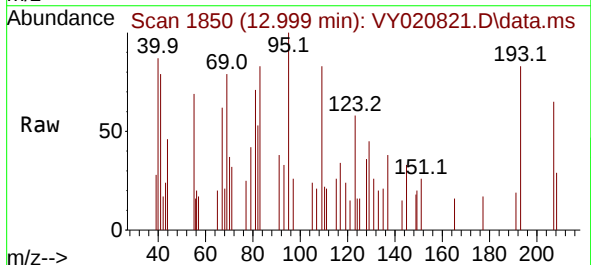
#82
4-Chlorotoluene
Concen: 129.314 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.006 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

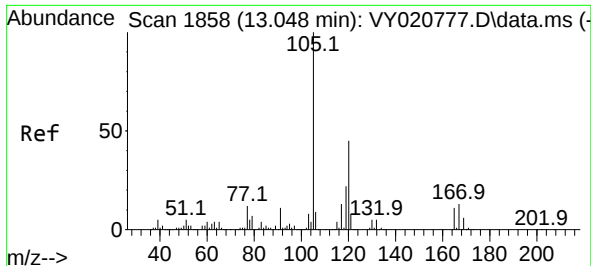
Tgt Ion: 91 Resp: 173
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#83
tert-Butylbenzene
Concen: 55.877 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

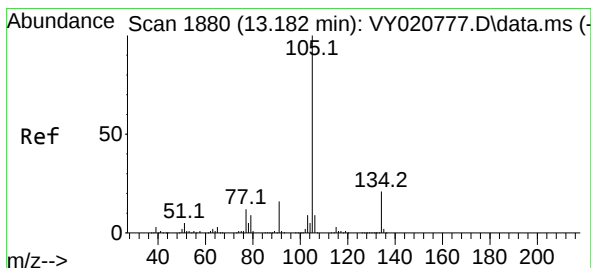
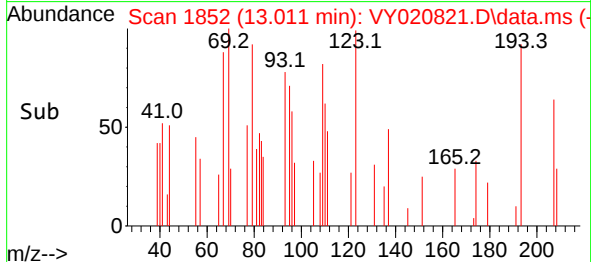
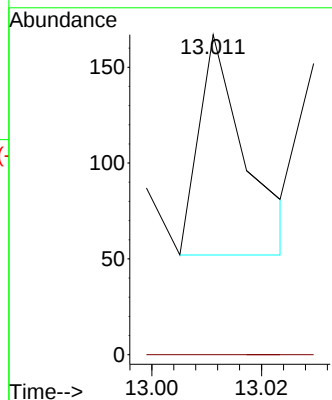
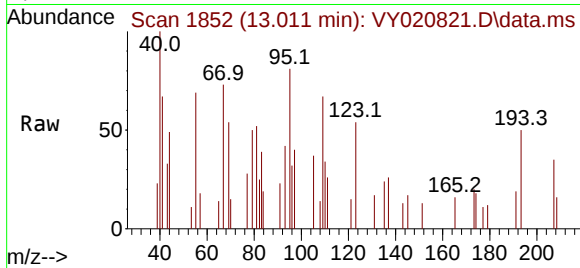
Tgt Ion: 119 Resp: 84
Ion Ratio Lower Upper
119 100
91 0.0 33.0 98.9#
134 0.0 13.7 41.1#





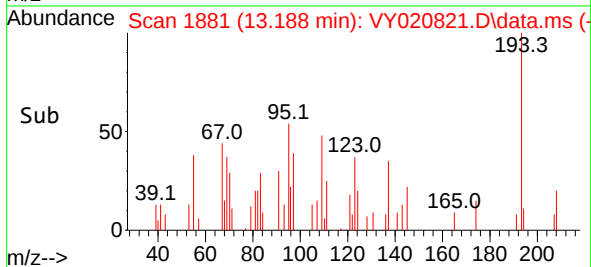
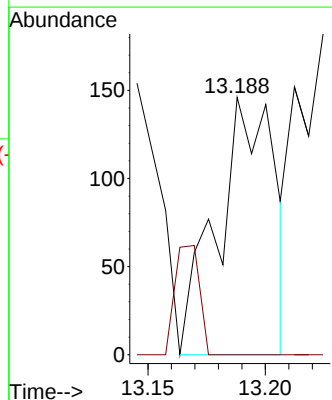
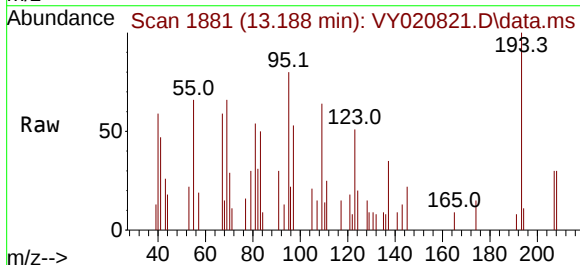
#84
1,2,4-Trimethylbenzene
Concen: 43.961 ug/l
RT: 13.011 min Scan# 1852
Delta R.T. -0.037 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

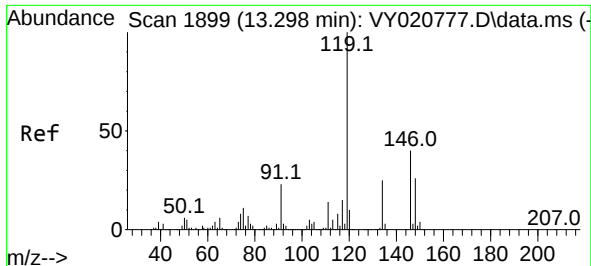
Tgt Ion:105 Resp: 69
Ion Ratio Lower Upper
105 100
120 0.0 22.4 67.2#



#85
sec-Butylbenzene
Concen: 117.631 ug/l
RT: 13.188 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

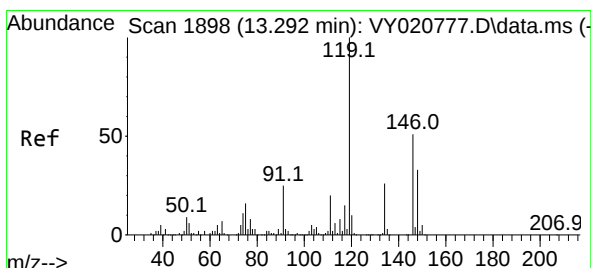
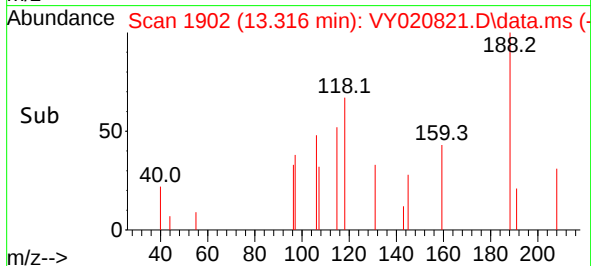
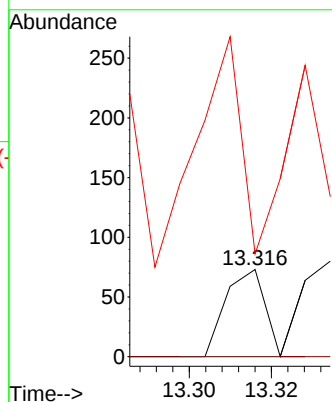
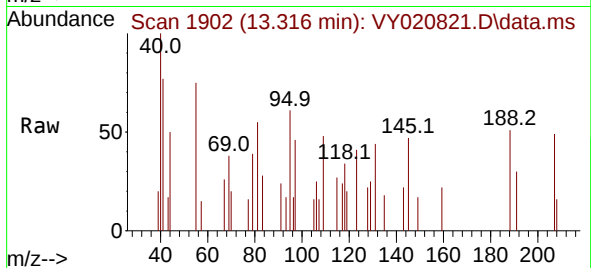
Tgt Ion:105 Resp: 247
Ion Ratio Lower Upper
105 100
134 18.2 10.5 31.5





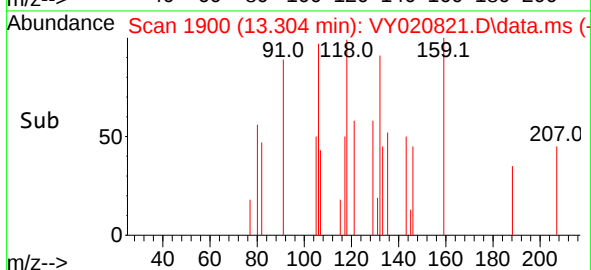
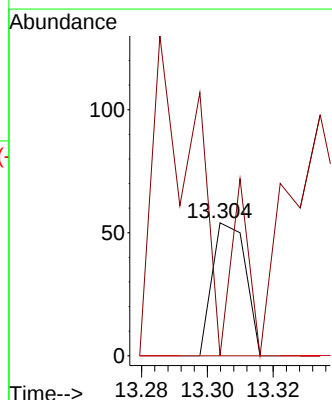
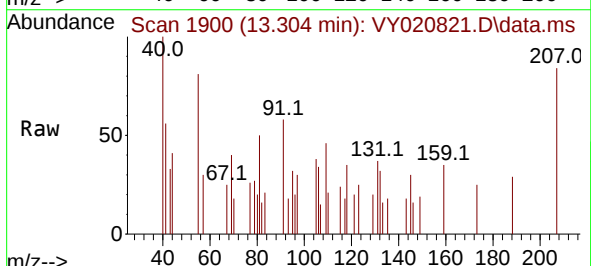
#86
p-Isopropyltoluene
Concen: 26.797 ug/l
RT: 13.316 min Scan# 1902
Delta R.T. 0.018 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

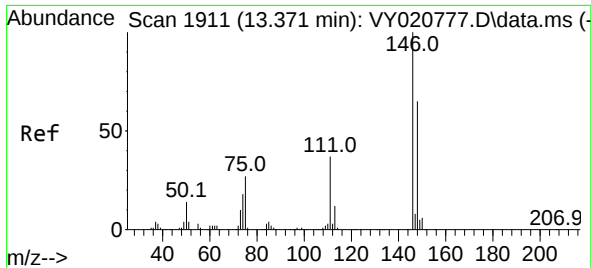
Tgt Ion:119 Resp: 48
Ion Ratio Lower Upper
119 100
134 0.0 13.0 38.9#
91 302.1 11.8 35.3#



#87
1,3-Dichlorobenzene
Concen: 42.770 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.012 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

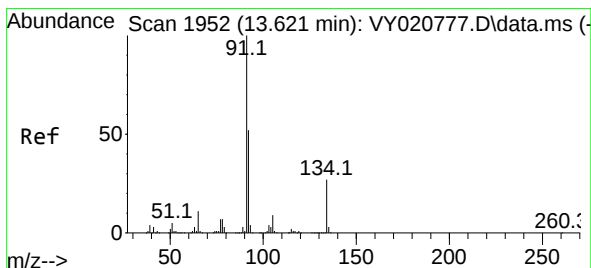
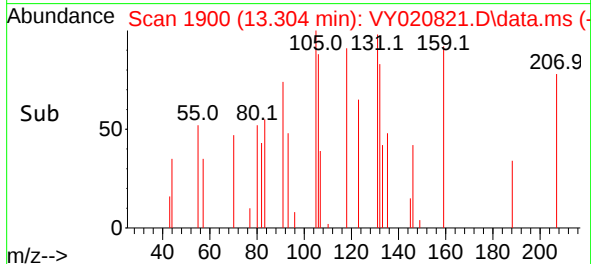
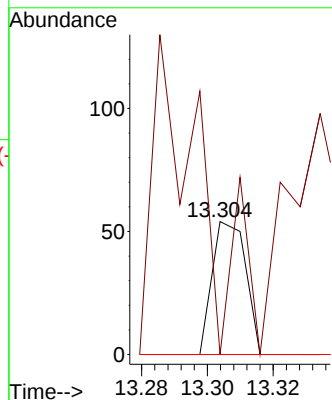
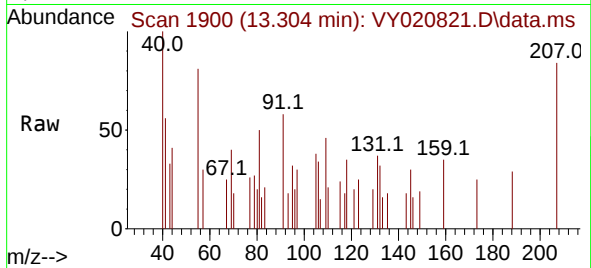
Tgt Ion:146 Resp: 38
Ion Ratio Lower Upper
146 100
111 355.3 19.5 58.5#
148 0.0 31.8 95.4#





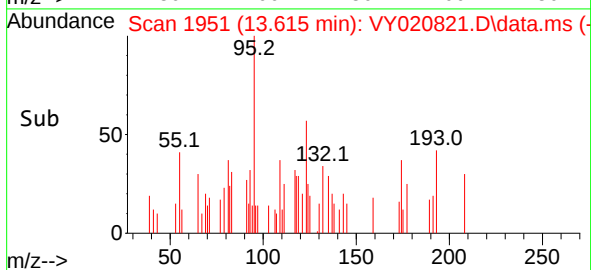
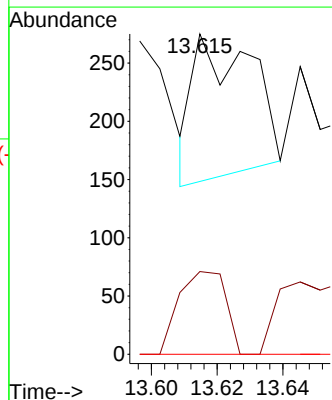
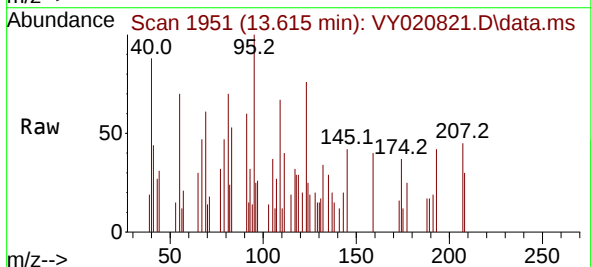
#88
1,4-Dichlorobenzene
Concen: 43.449 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. -0.067 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

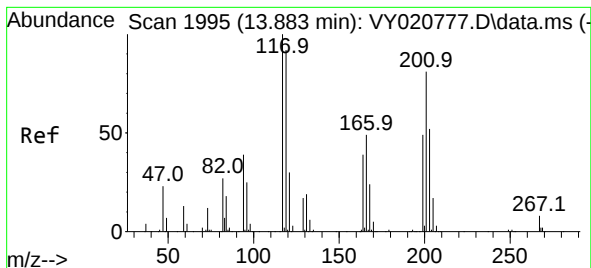
Tgt Ion:146 Resp: 38
Ion Ratio Lower Upper
146 100
111 355.3 19.1 57.3#
148 0.0 32.1 96.5#



#89
n-Butylbenzene
Concen: 96.525 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

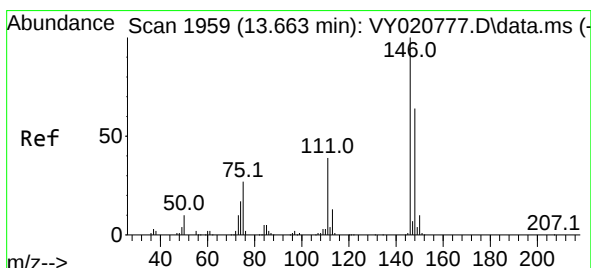
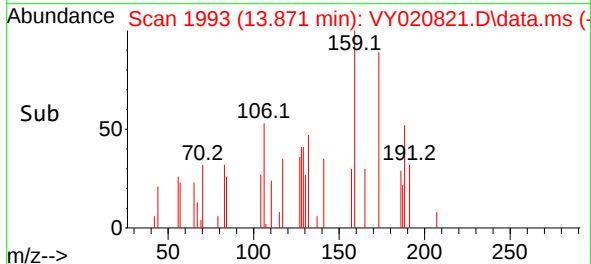
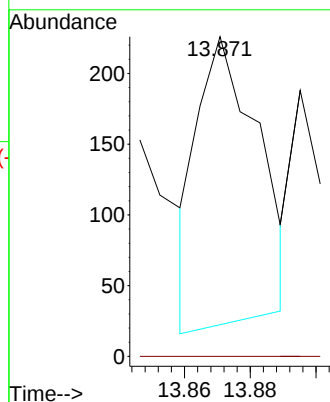
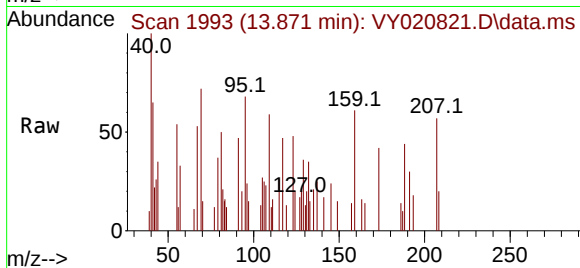
Tgt Ion: 91 Resp: 150
Ion Ratio Lower Upper
91 100
92 47.3 26.5 79.4
134 0.0 13.8 41.4#





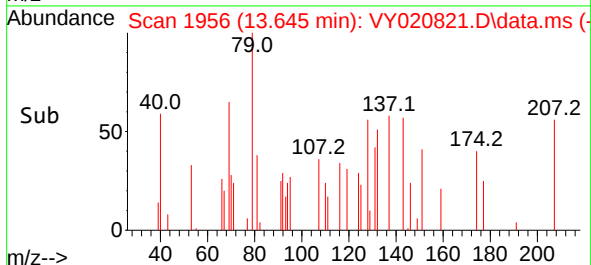
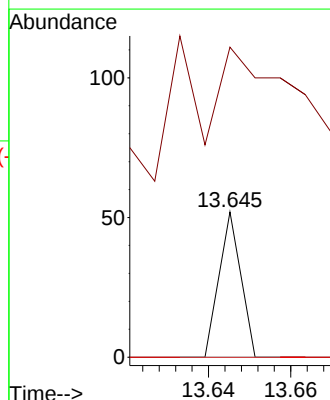
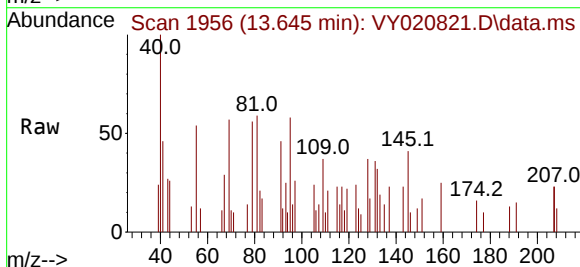
#90
Hexachloroethane
Concen: 725.643 ug/l
RT: 13.871 min Scan# 1993
Delta R.T. -0.012 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

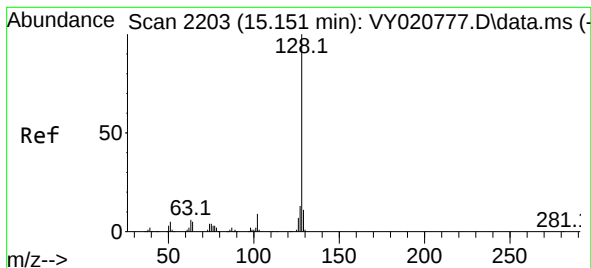
Tgt Ion:117 Resp: 261
Ion Ratio Lower Upper
117 100
201 0.0 42.9 128.7#



#91
1,2-Dichlorobenzene
Concen: 24.458 ug/l
RT: 13.645 min Scan# 1956
Delta R.T. -0.018 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

Tgt Ion:146 Resp: 19
Ion Ratio Lower Upper
146 100
111 452.6 20.0 60.0#
148 0.0 32.0 96.2#





#95
Naphthalene
Concen: 175.317 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

Tgt Ion:128	Resp:	129
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.5 15.7#
129	78.3	8.6 12.8#

