

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

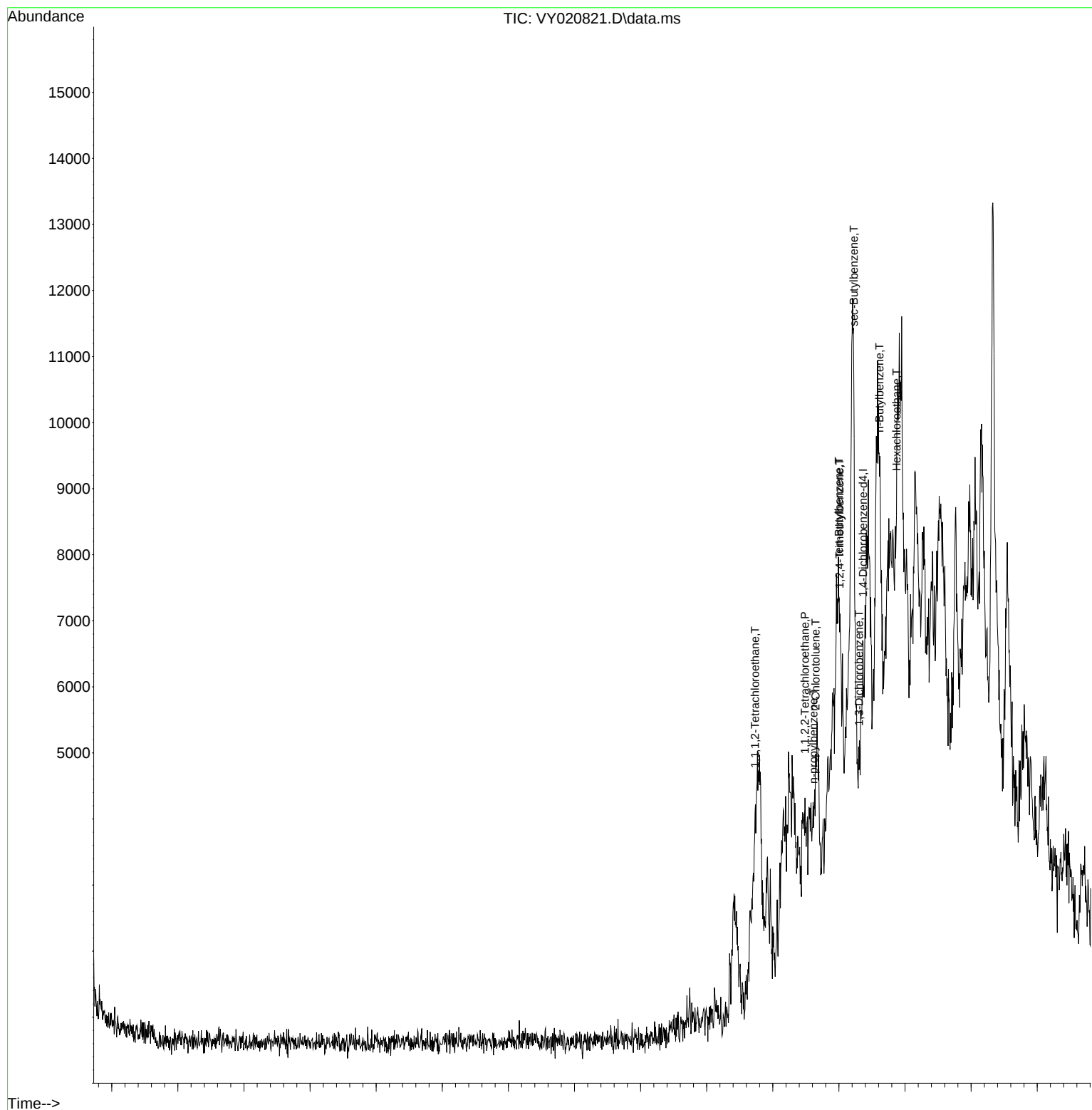
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

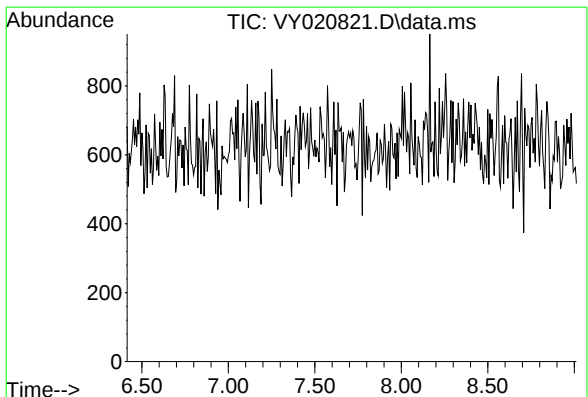
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.71
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.62
63) Chlorobenzene-d5	11.432	117	104	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.365	152	25	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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						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
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
78) n-propylbenzene	12.615	91	492m	218.556	ug/l	
79) 2-Chlorotoluene	12.645	91	633m	488.292	ug/l	
83) tert-Butylbenzene	12.999	119	84	55.877	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.011	105	589m	375.261	ug/l	
85) sec-Butylbenzene	13.225	105	449m	213.831	ug/l	
87) 1,3-Dichlorobenzene	13.304	146	38	42.770	ug/l #	1
89) n-Butylbenzene	13.615	91	433m	278.635	ug/l	
90) Hexachloroethane	13.871	117	305m	847.974	ug/l	

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

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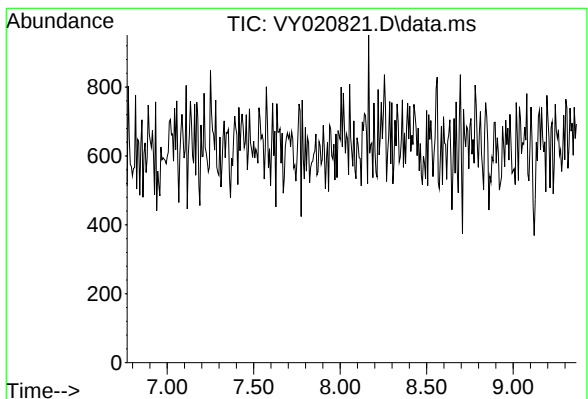
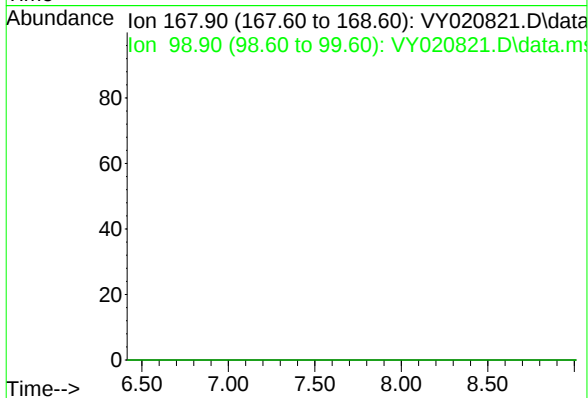


#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 7.71 min

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

 Tgt Ion: 168

Sig	Exp Ratio
168	100
99	55.4

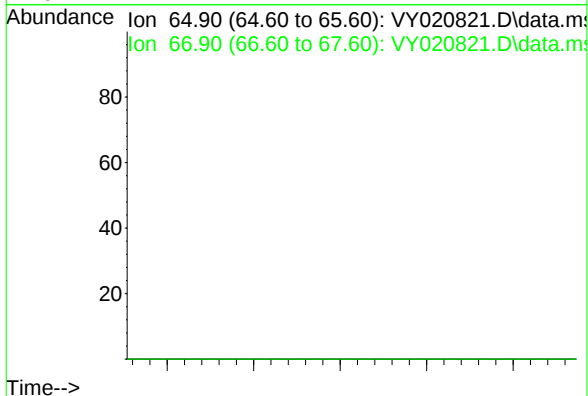


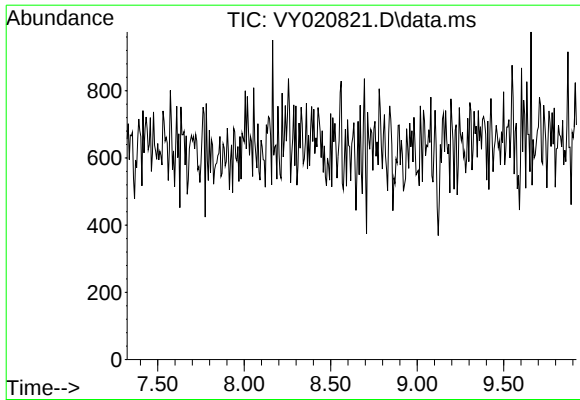
#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.07 min

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

 Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.4

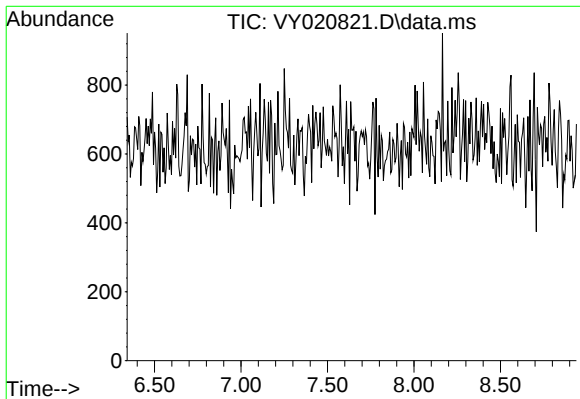
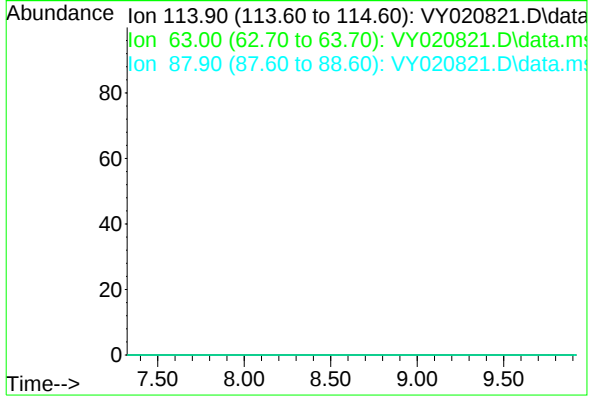




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.62 min

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

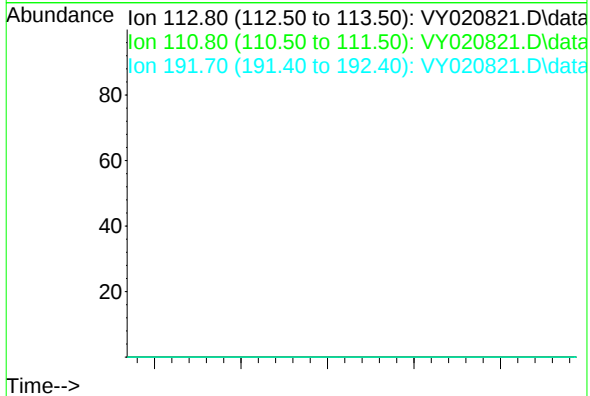
Tgt Ion	Sig	Exp Ratio
114	114	100
63	63	19.2
88	88	15.6

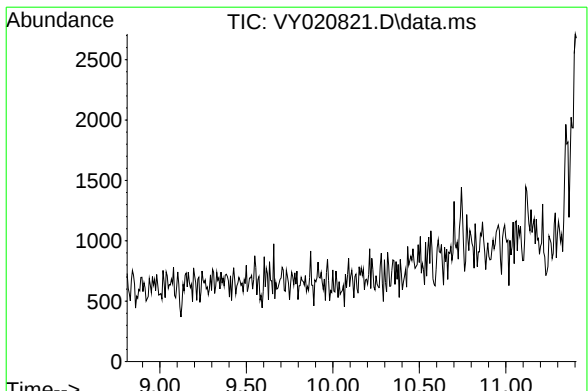


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.64 min

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

Tgt Ion	Sig	Exp Ratio
113	113	100
111	111	102.1
192	192	20.9

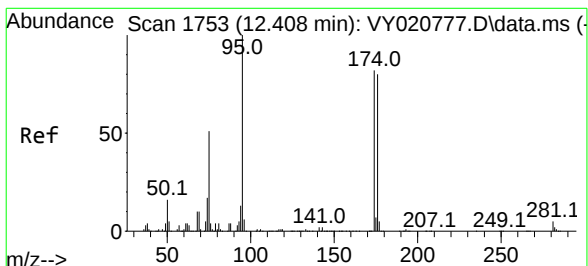
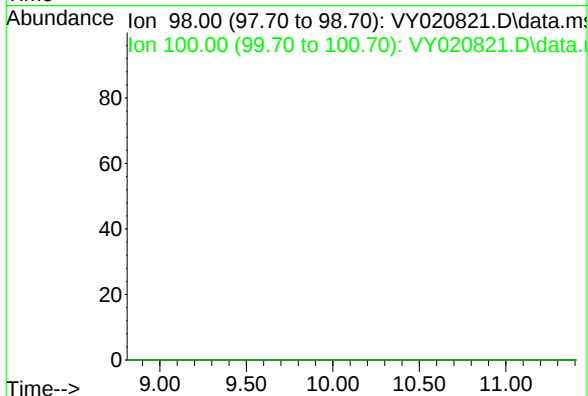




#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 10.11 min

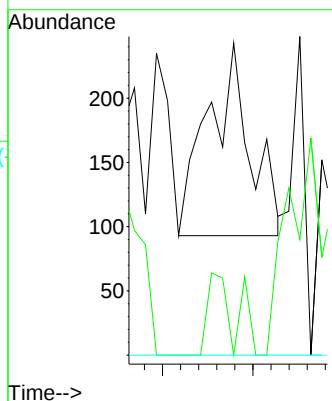
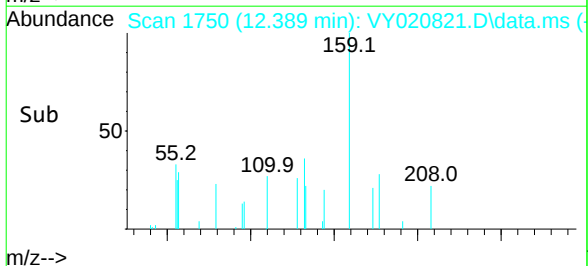
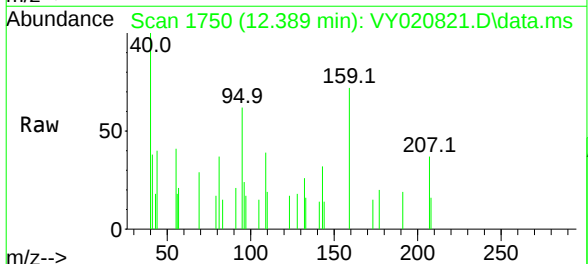
 Lab File: VY020821.D
 Acq: 14 Jan 2025 14:23

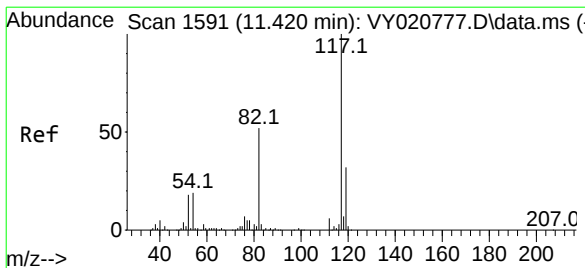
 Tgt Ion: 98
 Sig Exp Ratio
 98 100
 100 65.6



#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

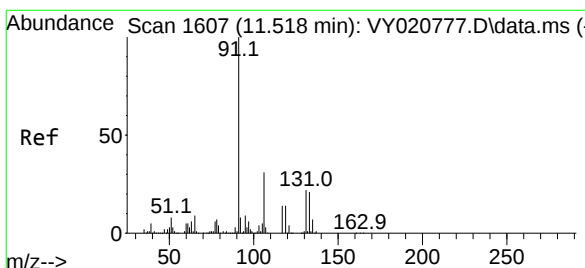
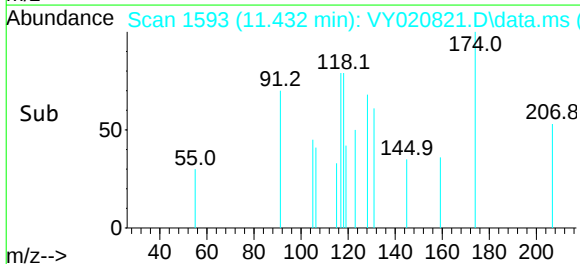
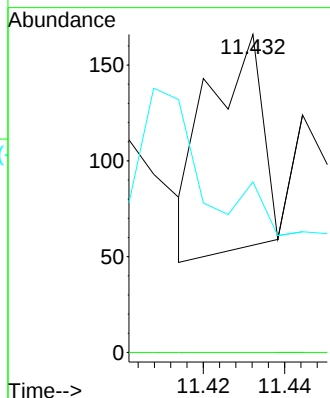
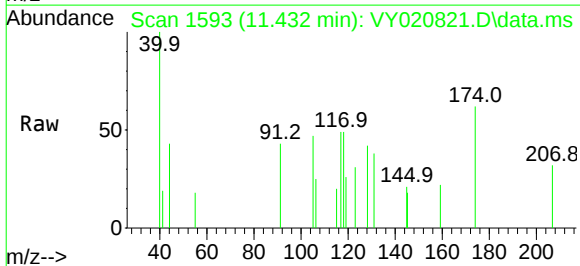
Tgt Ion:	95	Resp:	244
Ion	Ratio	Lower	Upper
95	100		
174	27.9	0.0	178.0
176	0.0	0.0	172.0





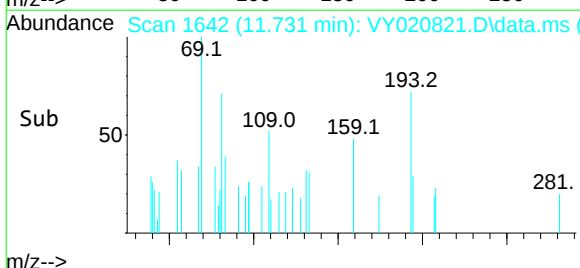
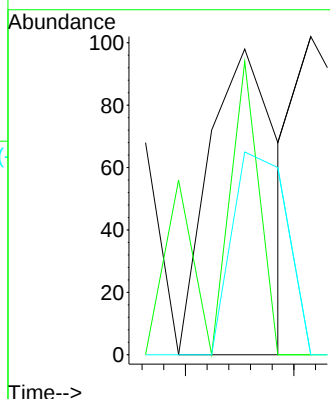
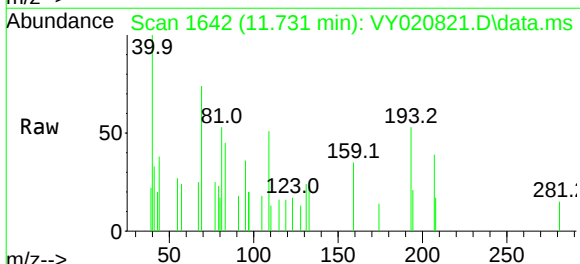
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.432 min Scan# 1593
Delta R.T. 0.012 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

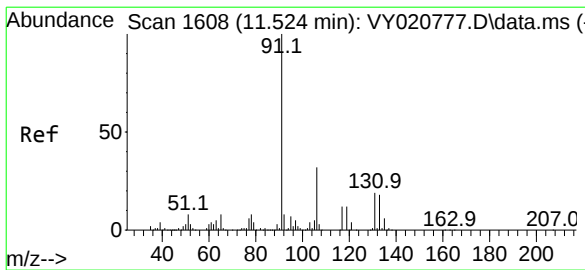
Tgt Ion:	117	Resp:	104
Ion	Ratio	Lower	Upper
117	100		
82	0.0	41.8	62.6#
119	26.2	25.8	38.8



#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

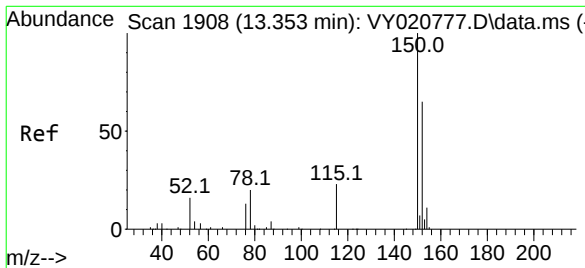
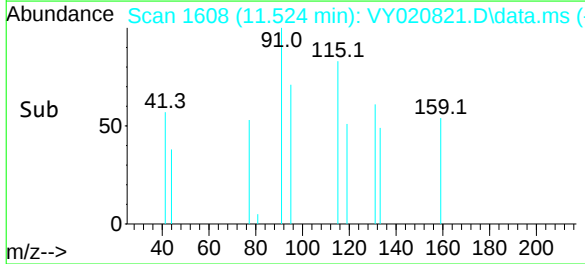
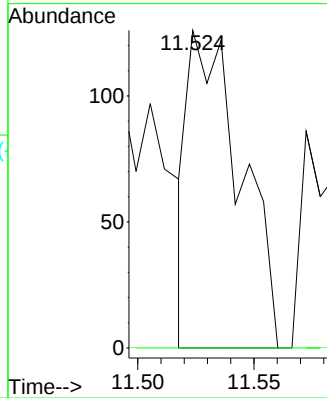
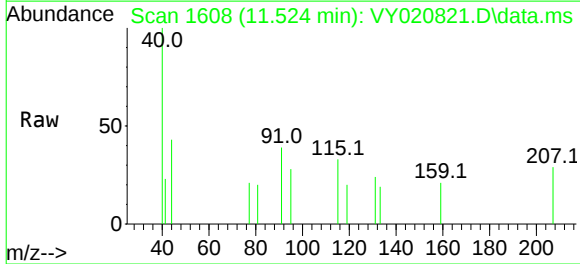
Tgt Ion:	131	Resp:	87
Ion	Ratio	Lower	Upper
131	100		
133	63.2	46.9	140.8
119	52.9	30.2	90.6





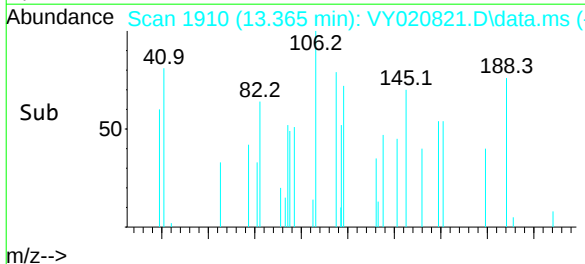
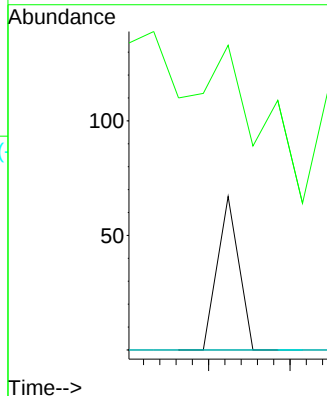
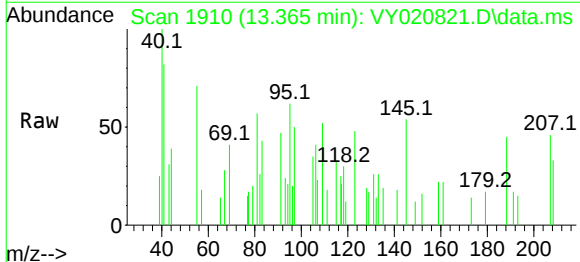
#67
Ethyl Benzene
Concen: 49.736 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

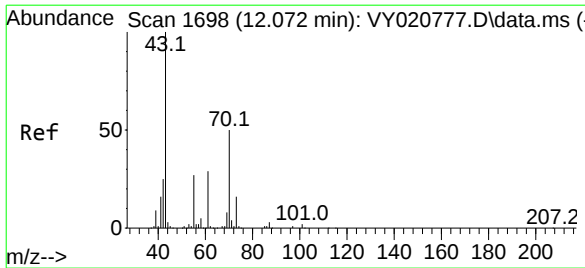
Tgt Ion: 91 Resp: 198
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#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

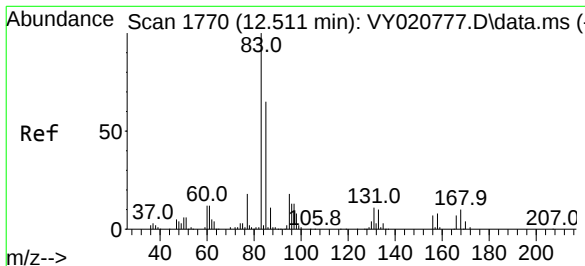
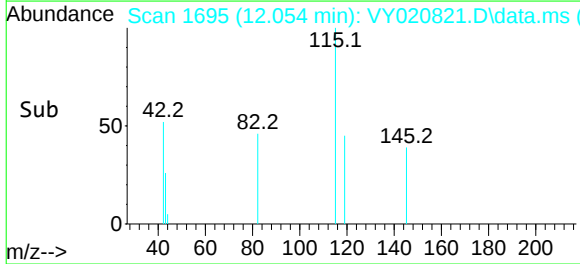
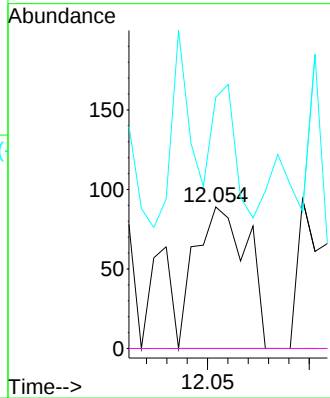
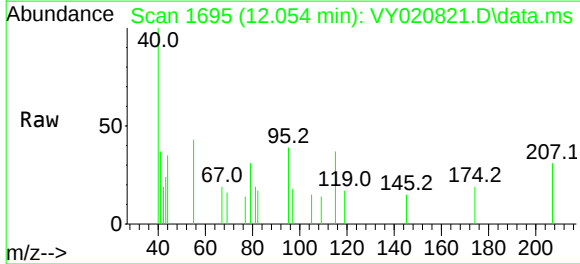
Tgt Ion: 152 Resp: 25
Ion Ratio Lower Upper
152 100
115 968.0 29.0 87.0#
150 0.0 0.0 347.4





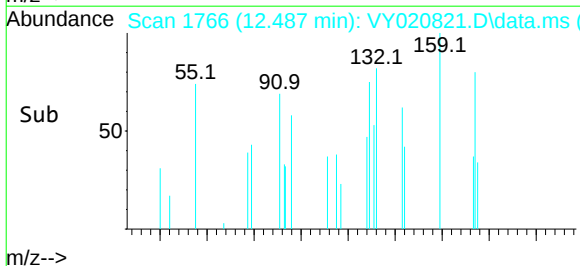
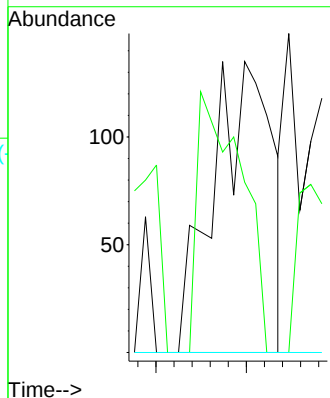
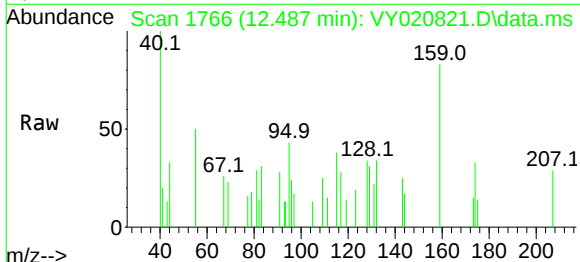
#74
N-amy1 acetate
Concen: 487.028 ug/l
RT: 12.054 min Scan# 1695
Delta R.T. -0.018 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

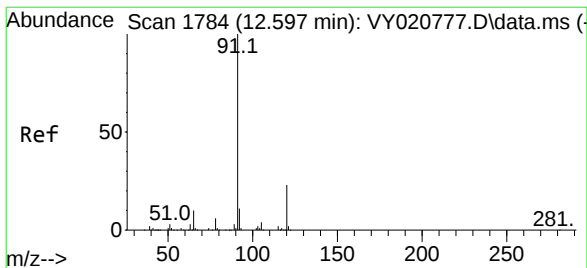
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	40.2	60.4#
55	46.8	21.2	31.8#
61	0.0	22.1	33.1#



#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

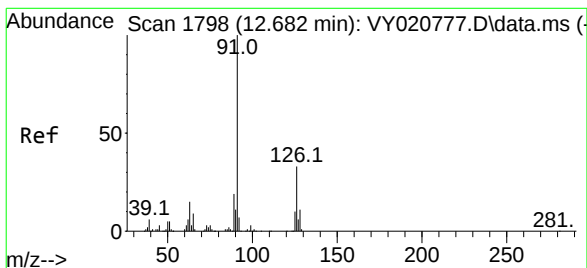
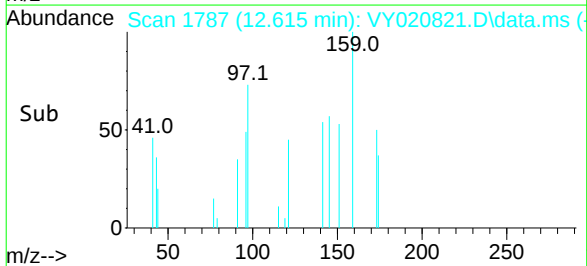
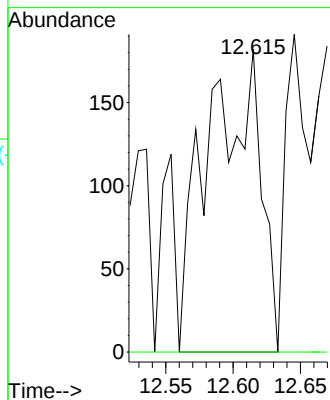
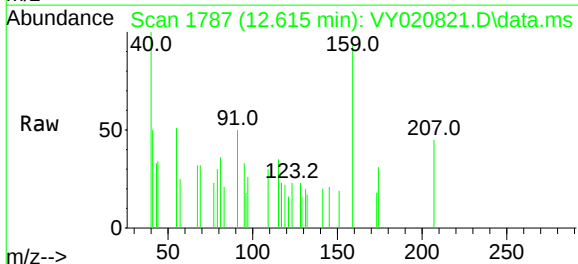
Tgt Ion	Ratio	Lower	Upper
83	100		
131	68.0	6.0	18.0#
85	0.0	32.0	96.2#





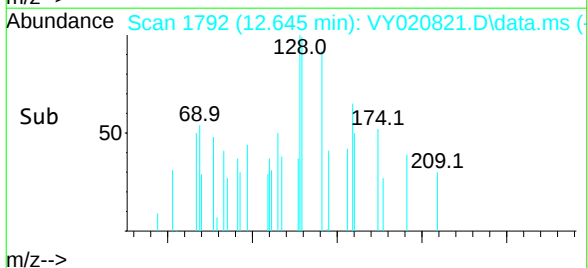
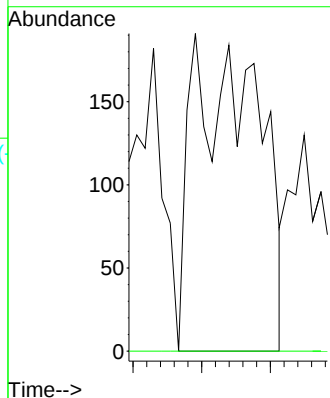
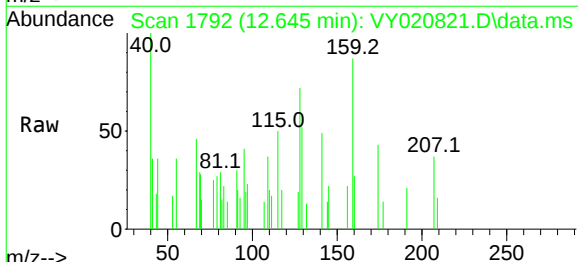
#78
n-propylbenzene
Concen: 218.556 ug/l m
RT: 12.615 min Scan# 1787
Delta R.T. 0.018 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

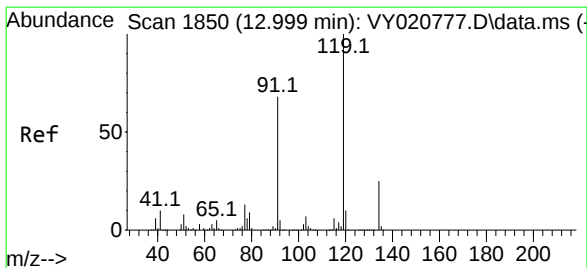
Tgt Ion: 91 Resp: 492
Ion Ratio Lower Upper
91 100
120 4.3 12.0 36.1#



#79
2-Chlorotoluene
Concen: 488.292 ug/l m
RT: 12.645 min Scan# 1792
Delta R.T. -0.037 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

Tgt Ion: 91 Resp: 633
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#





#83

tert-Butylbenzene

Concen: 55.877 ug/l

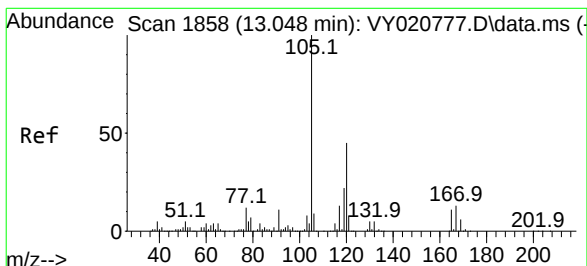
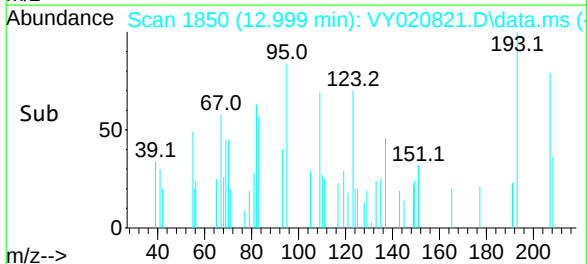
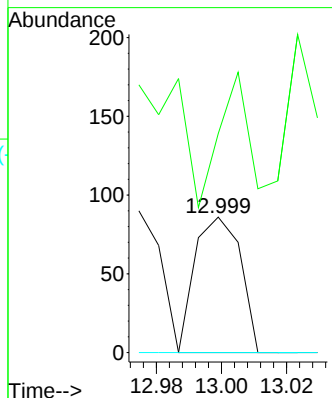
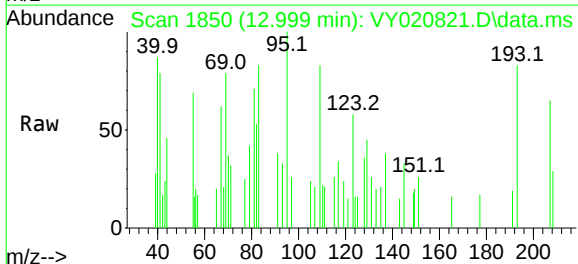
RT: 12.999 min Scan# 1850

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: 375.261 ug/l m

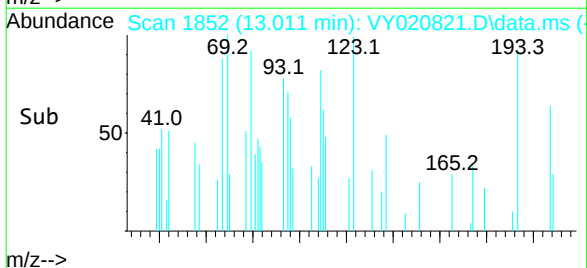
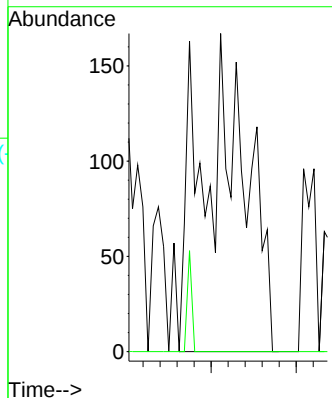
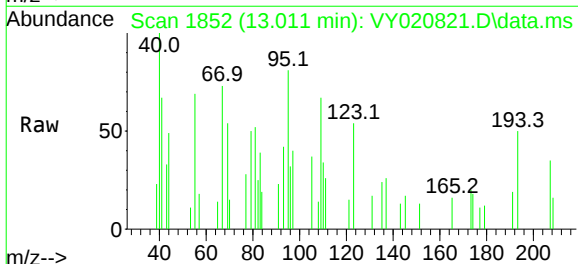
RT: 13.011 min Scan# 1852

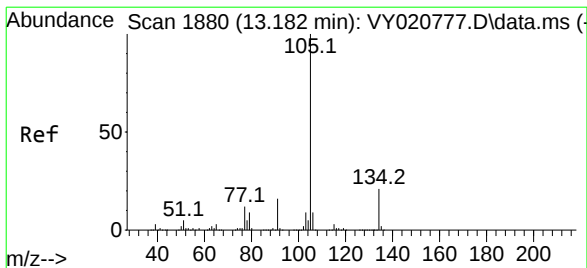
Delta R.T. -0.037 min

Lab File: VY020821.D

Acq: 14 Jan 2025 14:23

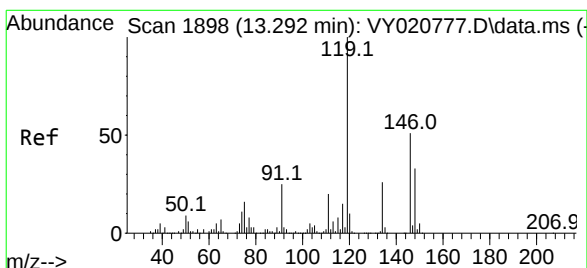
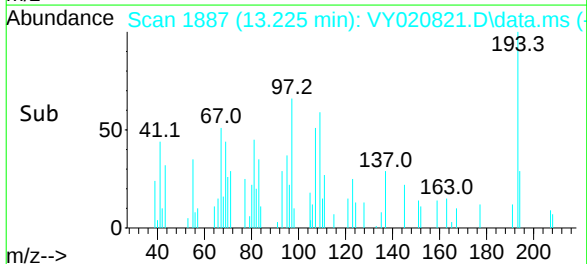
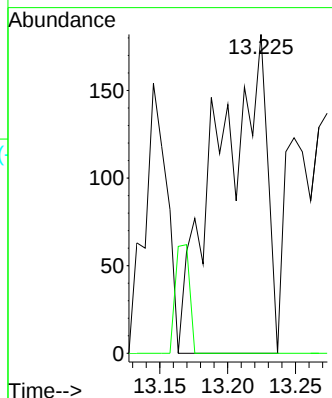
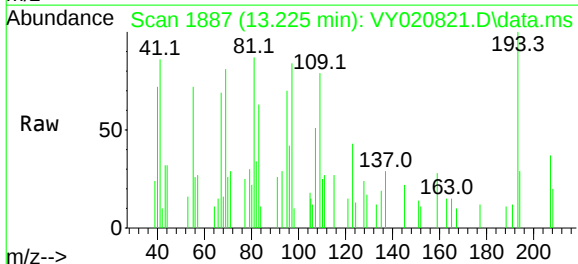
Tgt Ion:	105	Resp:	589
Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.4	67.2#





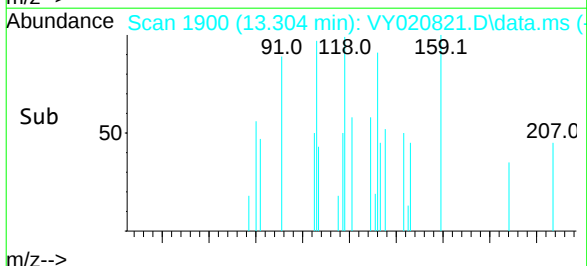
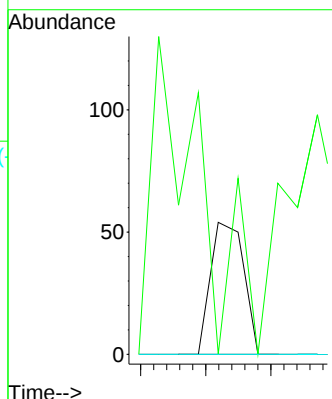
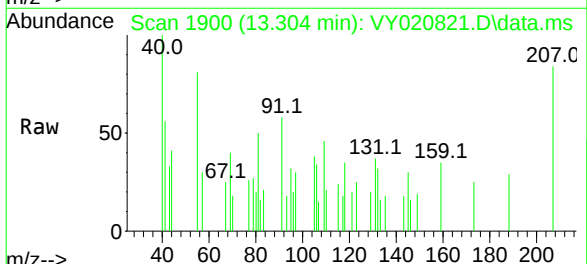
#85
sec-Butylbenzene
Concen: 213.831 ug/l m
RT: 13.225 min Scan# 1887
Delta R.T. 0.043 min
Lab File: VY020821.D
Acq: 14 Jan 2025 14:23

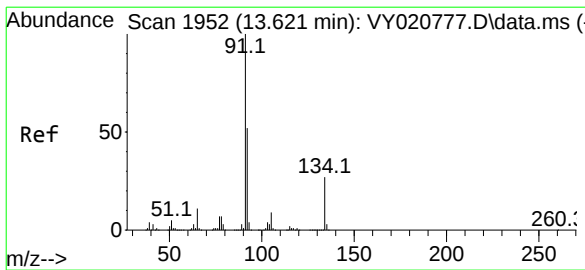
Tgt Ion:105 Resp: 449
Ion Ratio Lower Upper
105 100
134 10.0 10.5 31.5#



#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

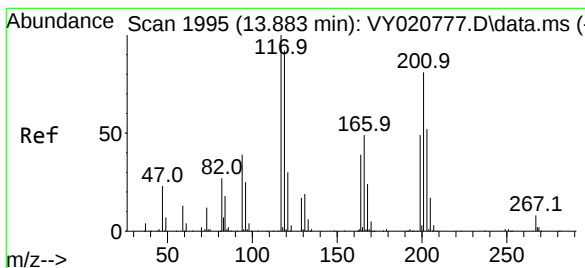
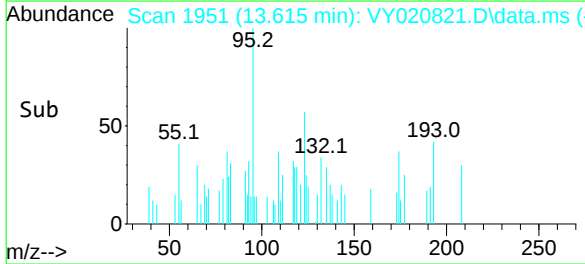
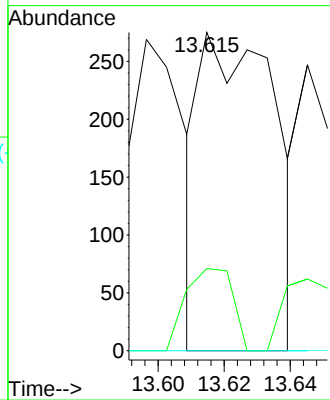
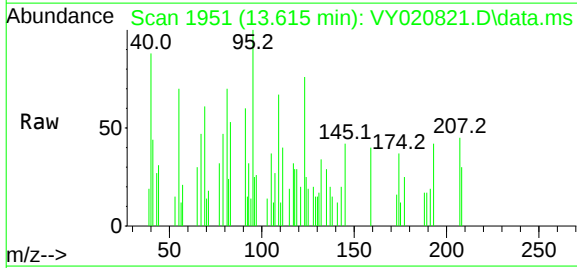
Tgt Ion:146 Resp: 38
Ion Ratio Lower Upper
146 100
111 355.3 19.5 58.5#
148 0.0 31.8 95.4#





#89
n-Butylbenzene
Concen: 278.635 ug/l m
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:	433
Ion	Ratio	Lower	Upper
91	100		
92	16.4	26.5	79.4#
134	0.0	13.8	41.4#



#90
Hexachloroethane
Concen: 847.974 ug/l m
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:	305
Ion	Ratio	Lower	Upper
117	100		
201	0.0	42.9	128.7#

