

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011425\
 Data File : VY020817.D
 Acq On : 14 Jan 2025 12:33
 Operator : SY/MD
 Sample : Q1077-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 03:28:11 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

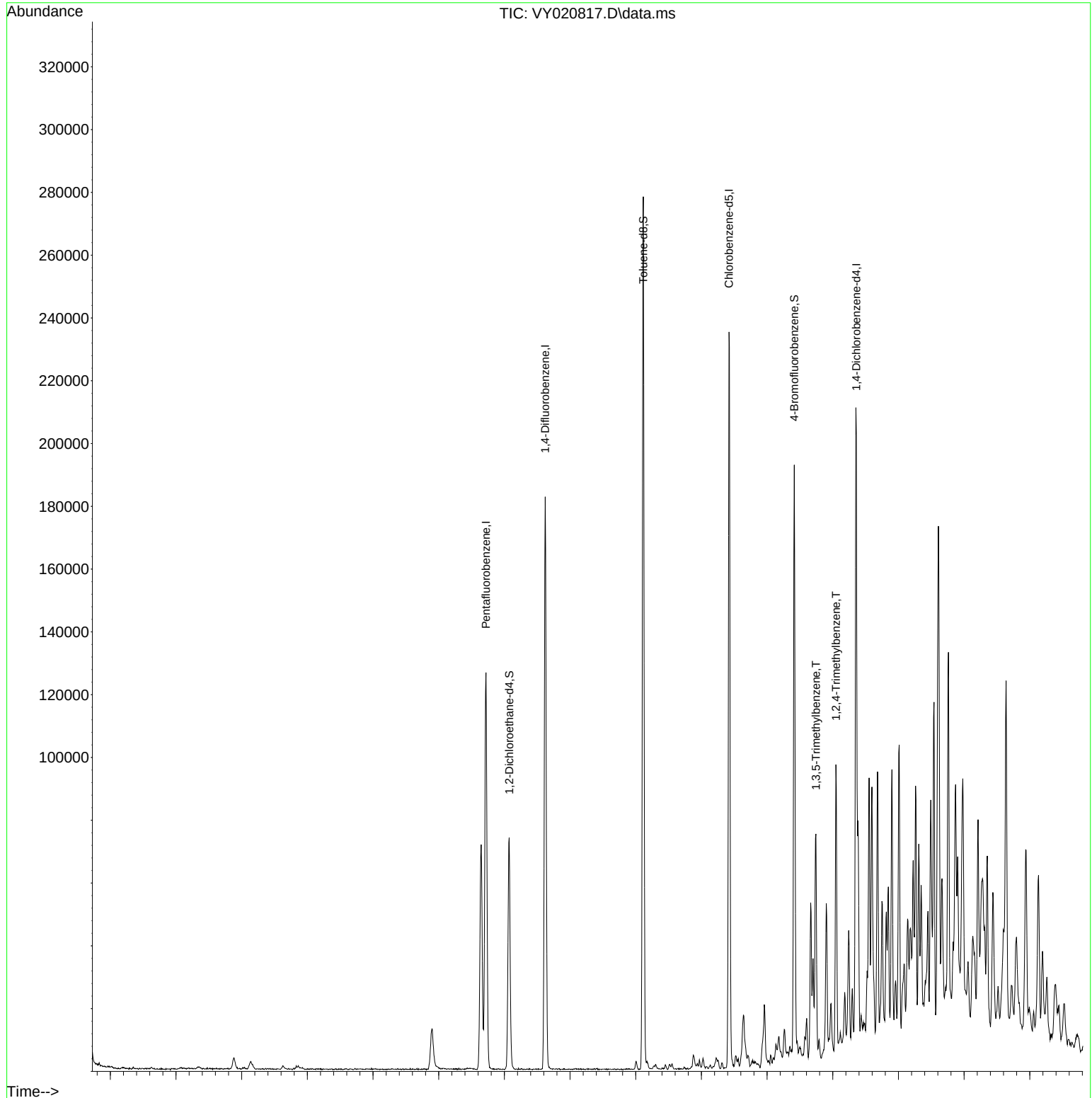
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

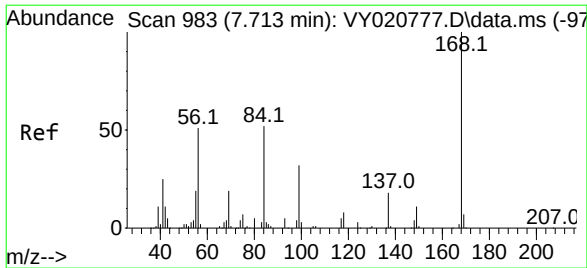
Internal Standards						
1) Pentafluorobenzene	7.720	168	101127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	162840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	133548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	53424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	59767	69.533	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.060%			
35) Dibromofluoromethane	7.646	113	52524	51.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.980%			
50) Toluene-d8	10.115	98	187354	52.681	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.360%			
62) 4-Bromofluorobenzene	12.414	95	56979	43.386	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 86.780%			
Target Compounds						
16) Acetone	3.879	43	6719	54.970	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	1631	3.100	ug/l	97
68) m/p-Xylenes	11.633	106	3612	1.835	ug/l	91
69) o-Xylene	11.957	106	4390	2.352	ug/l	94
78) n-propylbenzene	12.603	91	9794	2.036	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	20159	5.869	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	47768	14.242	ug/l	98
85) sec-Butylbenzene	13.188	105	8981	2.001	ug/l	92
86) p-Isopropyltoluene	13.298	119	7186	1.877	ug/l	98
89) n-Butylbenzene	13.621	91	6649	2.002	ug/l #	61

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

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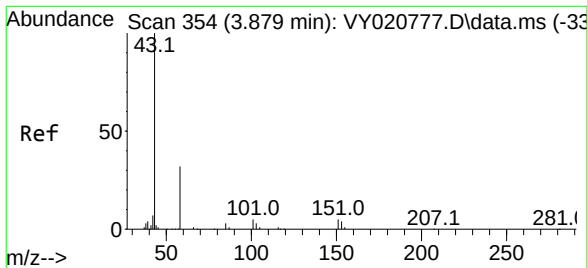
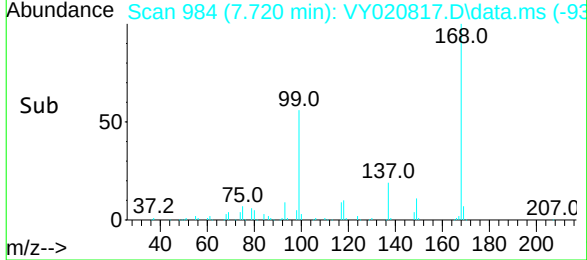
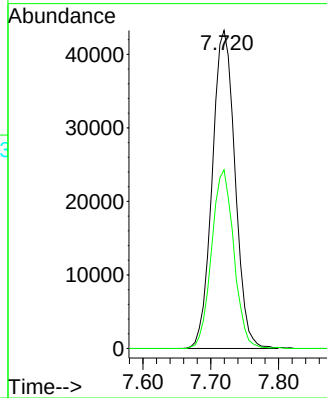
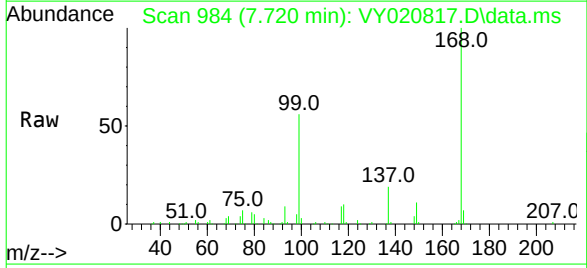
Quant Time: Jan 15 03:28:11 2025
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Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration





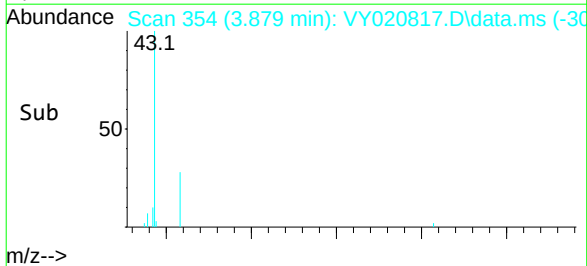
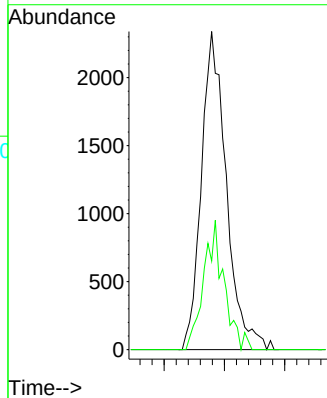
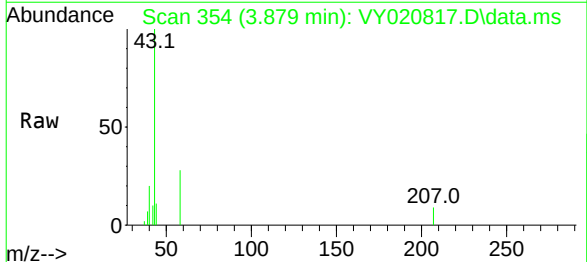
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.007 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

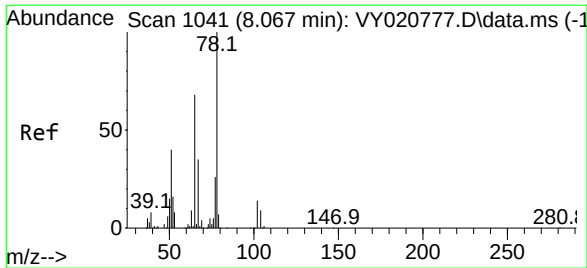
Tgt Ion: 168 Resp: 101127
Ion Ratio Lower Upper
168 100
99 56.2 44.3 66.5



#16
Acetone
Concen: 54.970 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

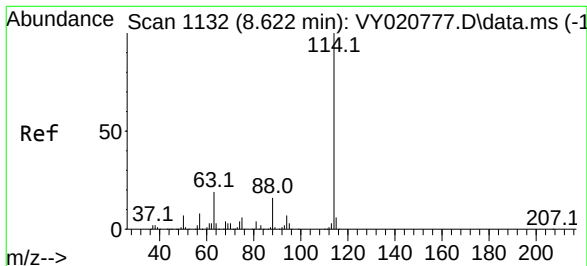
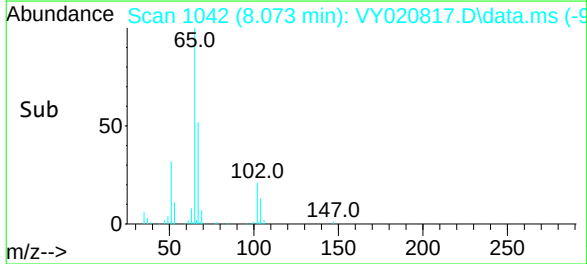
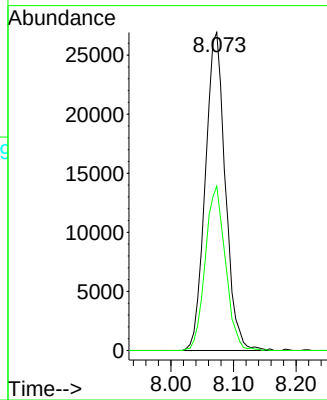
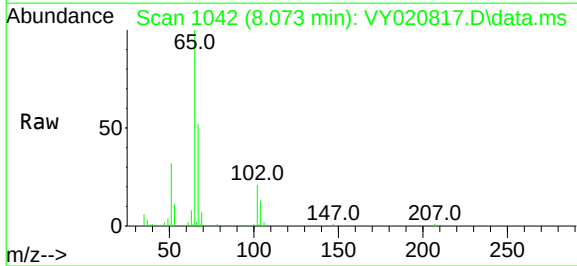
Tgt Ion: 43 Resp: 6719
Ion Ratio Lower Upper
43 100
58 27.8 26.7 40.1





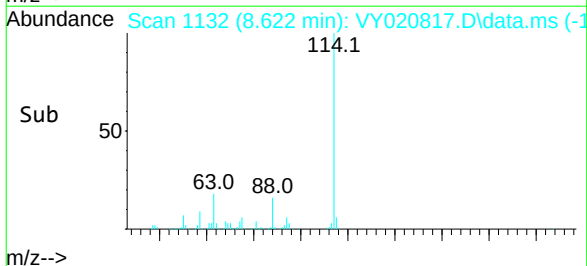
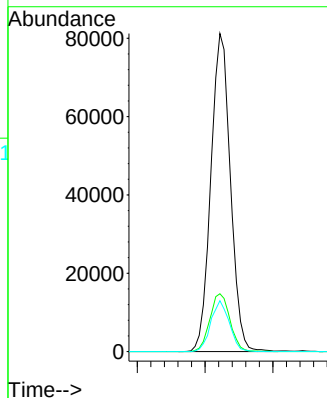
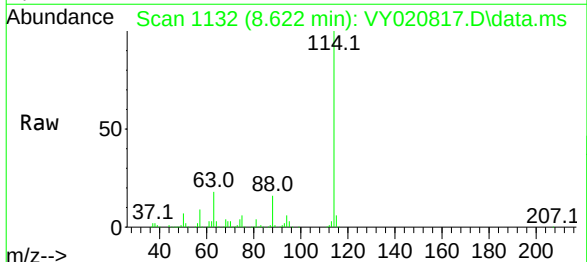
#33
1,2-Dichloroethane-d4
Concen: 69.533 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

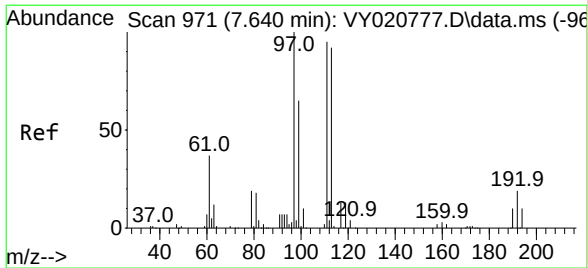
Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	16.0	0.0	31.2





#35

Dibromofluoromethane

Concen: 51.485 ug/l

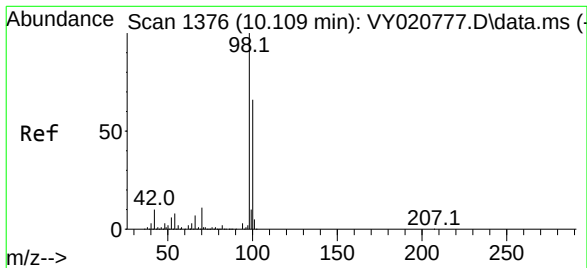
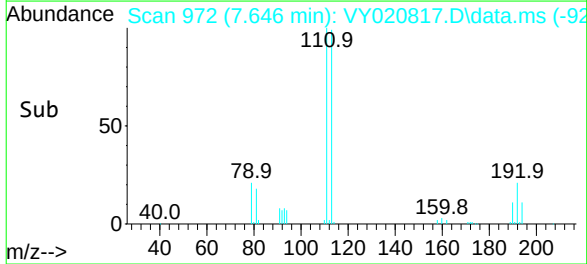
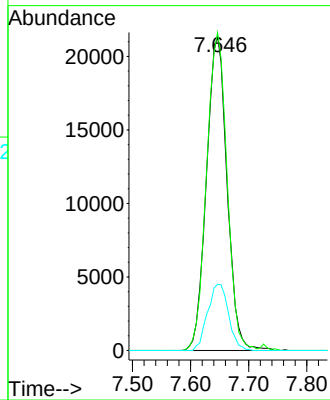
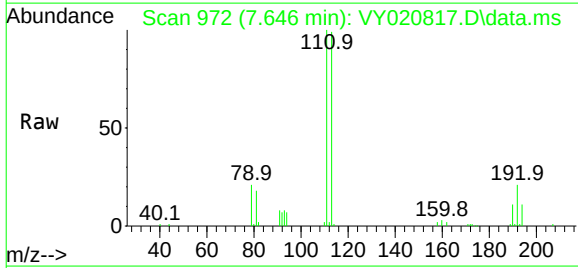
RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY020817.D

Acq: 14 Jan 2025 12:33

Tgt Ion:	113	Resp:	52524
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.7	122.5
192	21.4	16.7	25.1



#50

Toluene-d8

Concen: 52.681 ug/l

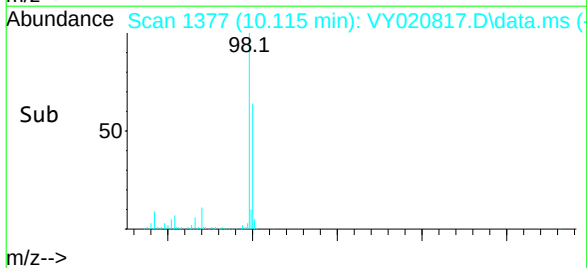
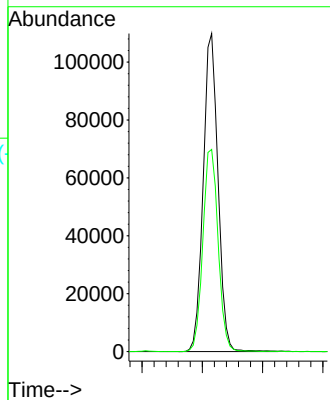
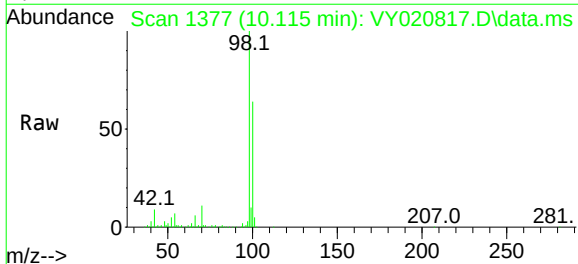
RT: 10.115 min Scan# 1377

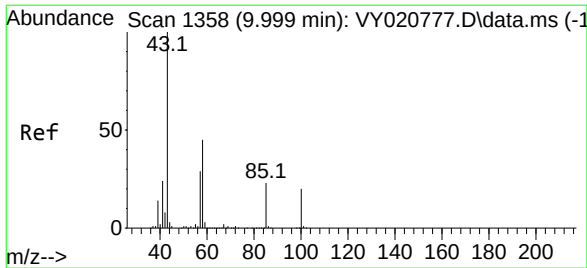
Delta R.T. 0.006 min

Lab File: VY020817.D

Acq: 14 Jan 2025 12:33

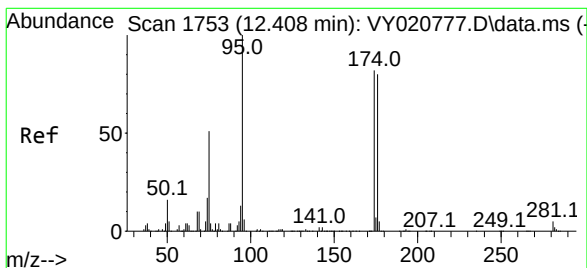
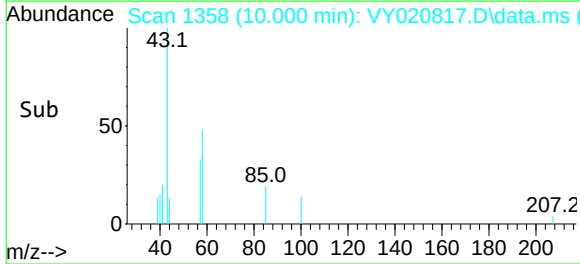
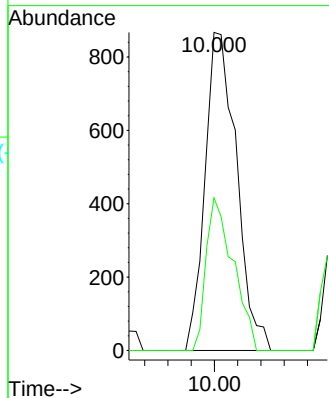
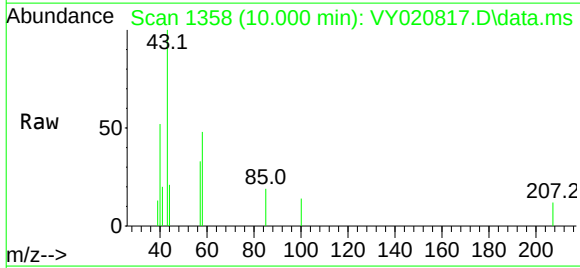
Tgt Ion:	98	Resp:	187354
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7





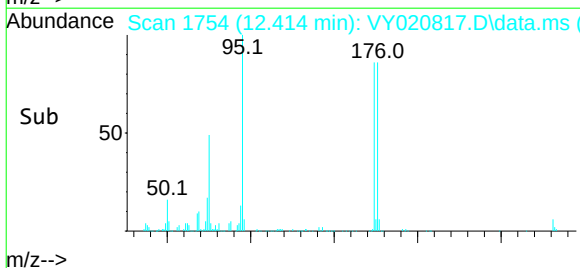
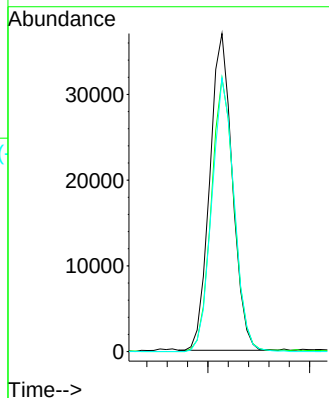
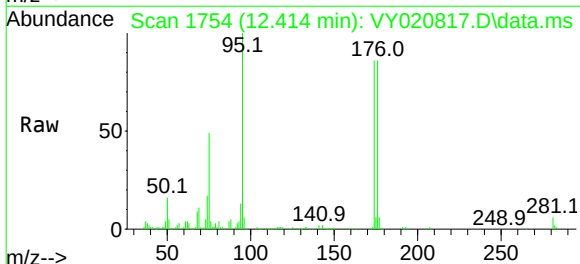
#51
4-Methyl-2-Pentanone
Concen: 3.100 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

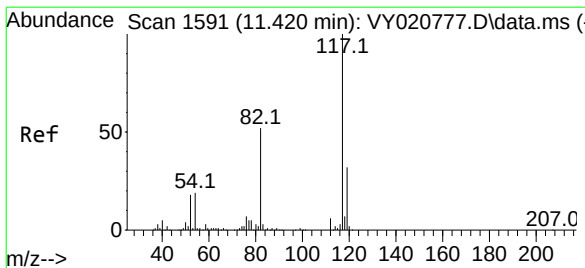
Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
58 41.3 34.8 52.2



#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

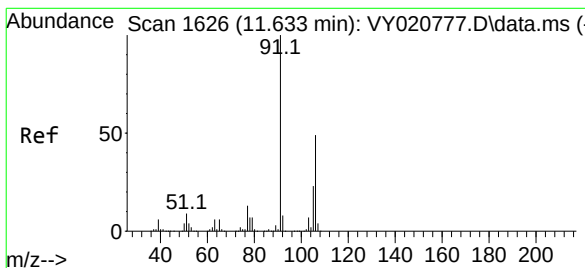
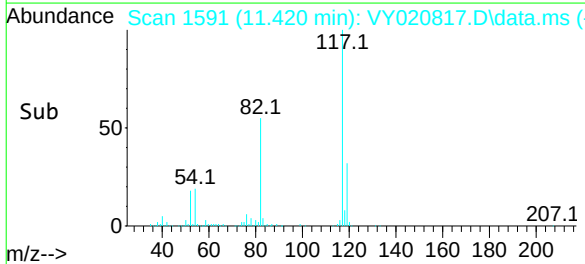
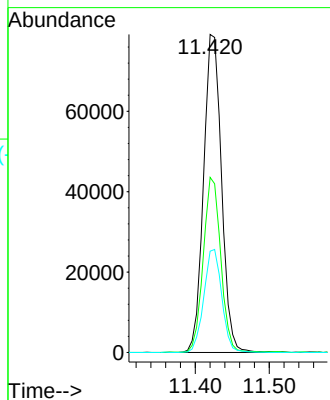
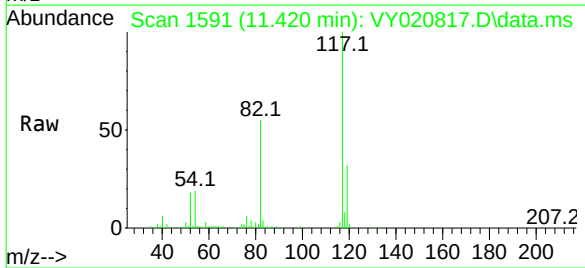
Tgt Ion: 95 Resp: 56979
Ion Ratio Lower Upper
95 100
174 87.0 0.0 178.0
176 85.7 0.0 172.0





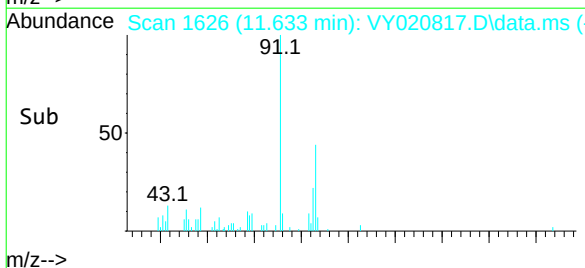
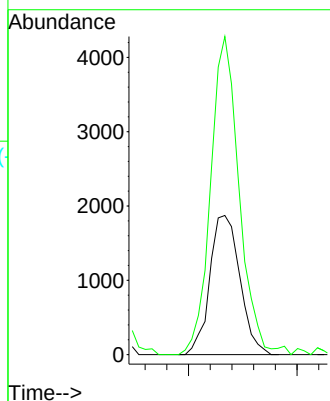
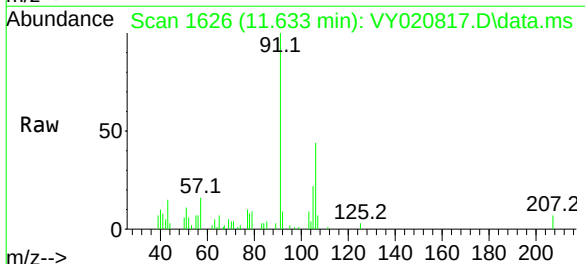
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

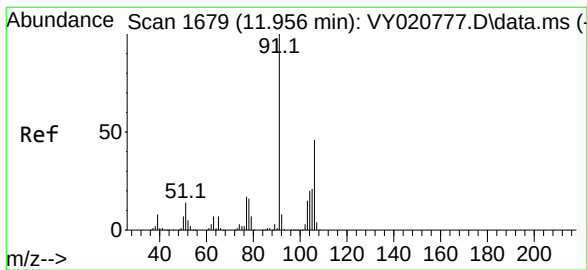
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	41.8	62.6
119	31.9	25.8	38.8



#68
m/p-Xylenes
Concen: 1.835 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.9	162.6	243.8





#69

o-Xylene

Concen: 2.352 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY020817.D

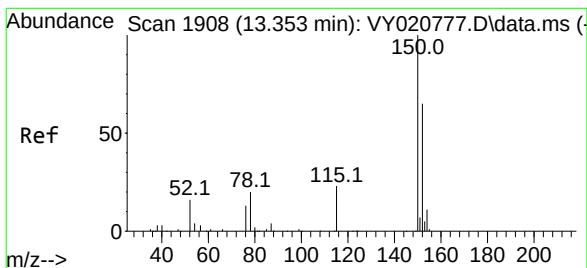
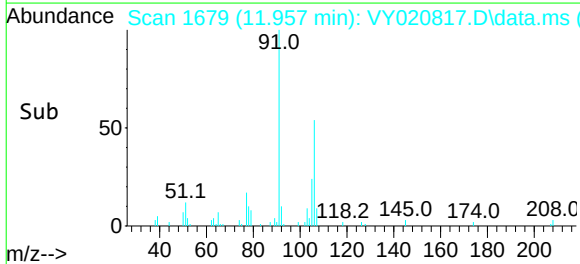
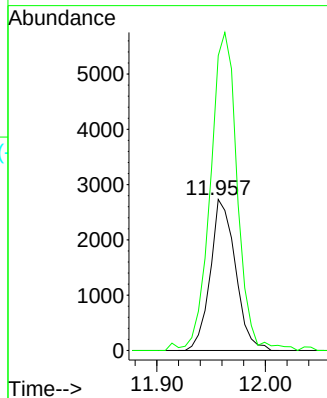
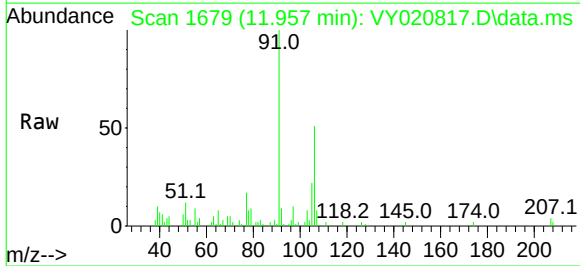
Acq: 14 Jan 2025 12:33

Tgt Ion:106 Resp: 4390

Ion Ratio Lower Upper

106 100

91 226.1 108.2 324.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY020817.D

Acq: 14 Jan 2025 12:33

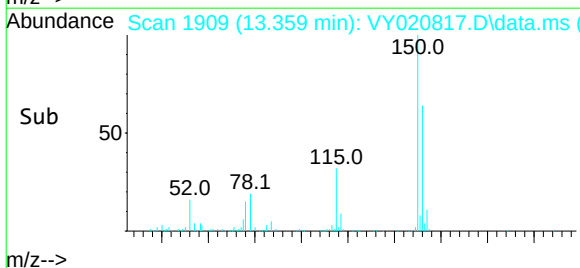
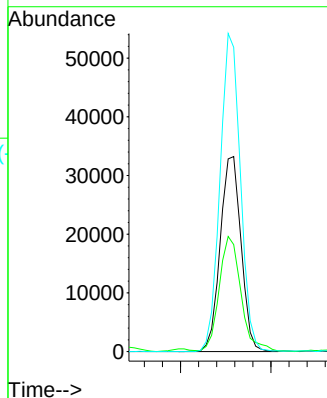
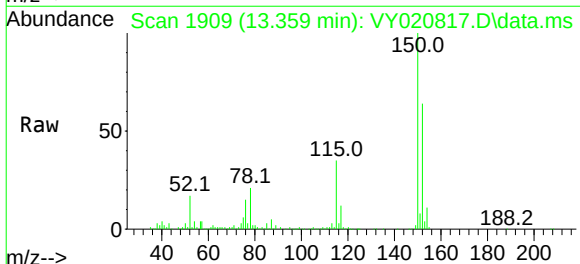
Tgt Ion:152 Resp: 53424

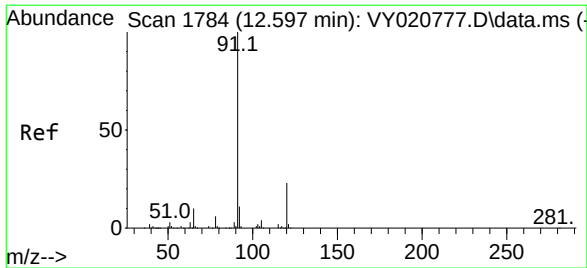
Ion Ratio Lower Upper

152 100

115 61.6 29.0 87.0

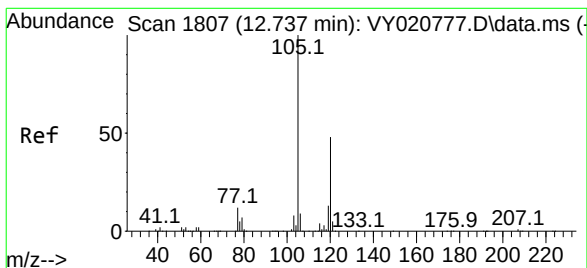
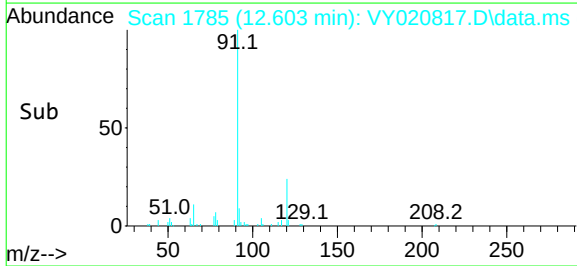
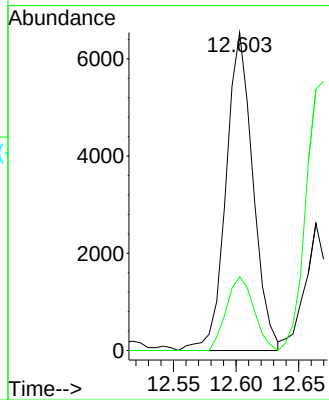
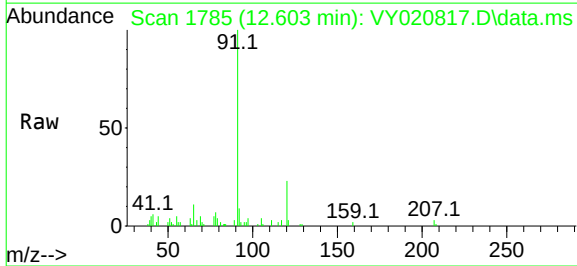
150 158.7 0.0 347.4





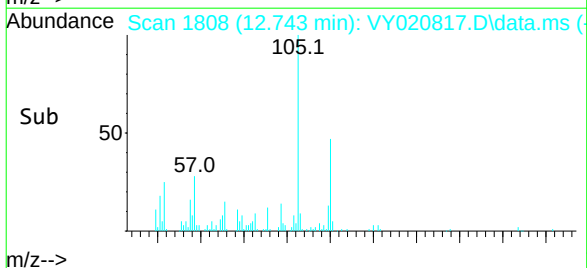
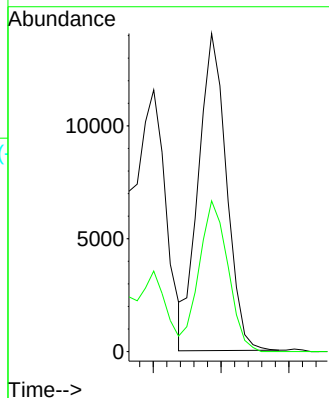
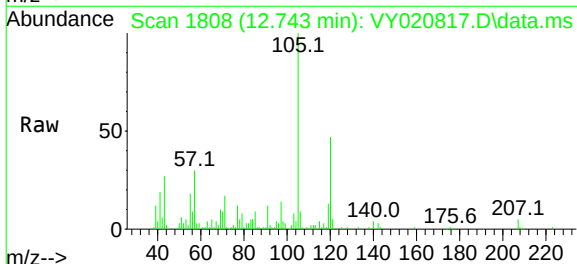
#78
n-propylbenzene
Concen: 2.036 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

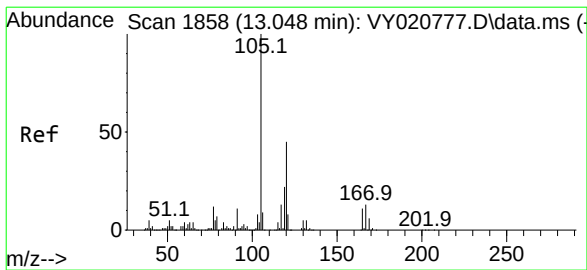
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.0	36.1



#80
1,3,5-Trimethylbenzene
Concen: 5.869 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

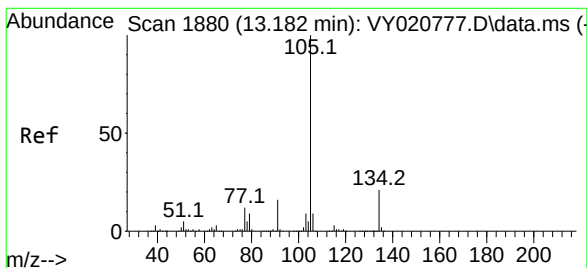
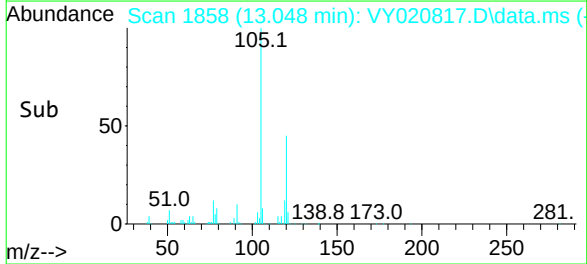
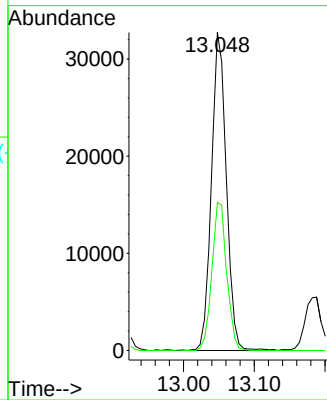
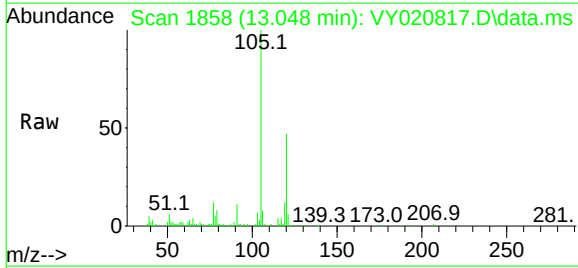
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.5	73.5





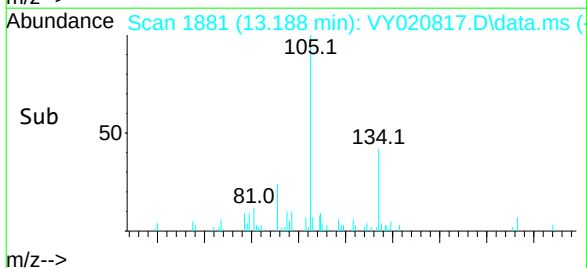
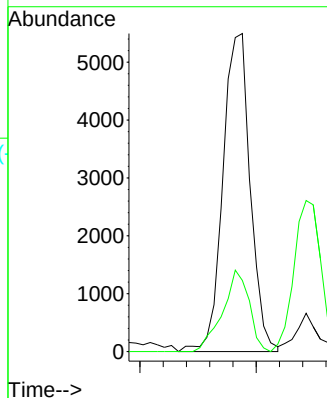
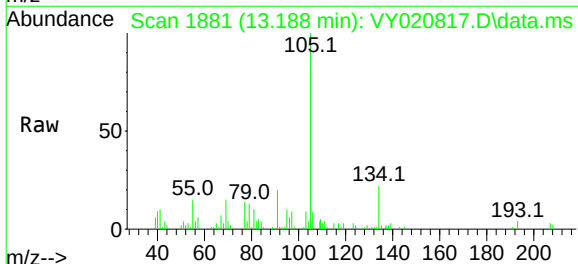
#84
1,2,4-Trimethylbenzene
Concen: 14.242 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

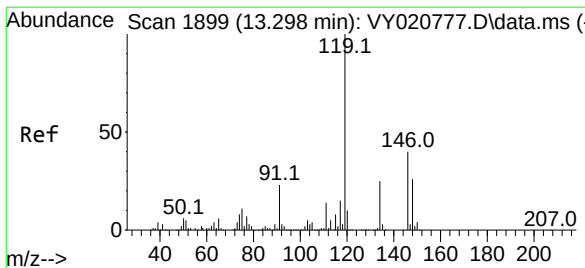
Tgt Ion:105 Resp: 47768
Ion Ratio Lower Upper
105 100
120 46.3 22.4 67.2



#85
sec-Butylbenzene
Concen: 2.001 ug/l
RT: 13.188 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

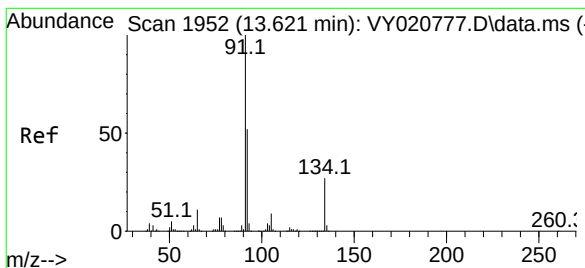
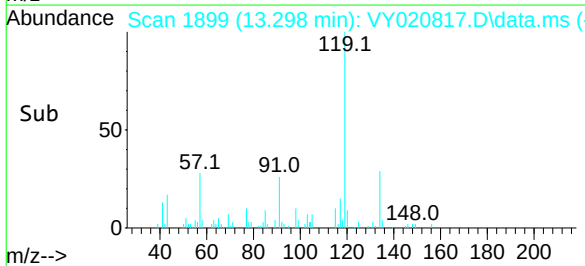
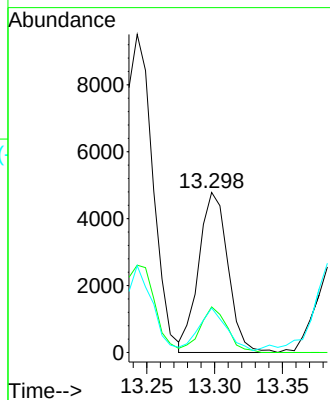
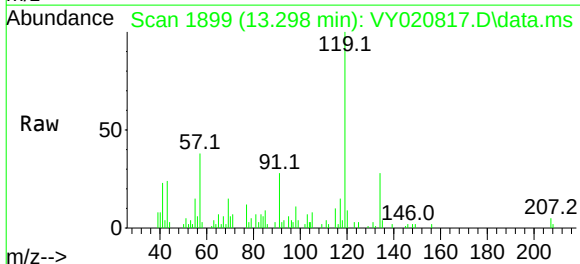
Tgt Ion:105 Resp: 8981
Ion Ratio Lower Upper
105 100
134 24.8 10.5 31.5





#86
p-Isopropyltoluene
Concen: 1.877 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	24.7	11.8	35.3



#89
n-Butylbenzene
Concen: 2.002 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	75.1	26.5	79.4
134	0.0	13.8	41.4#

