

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
 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

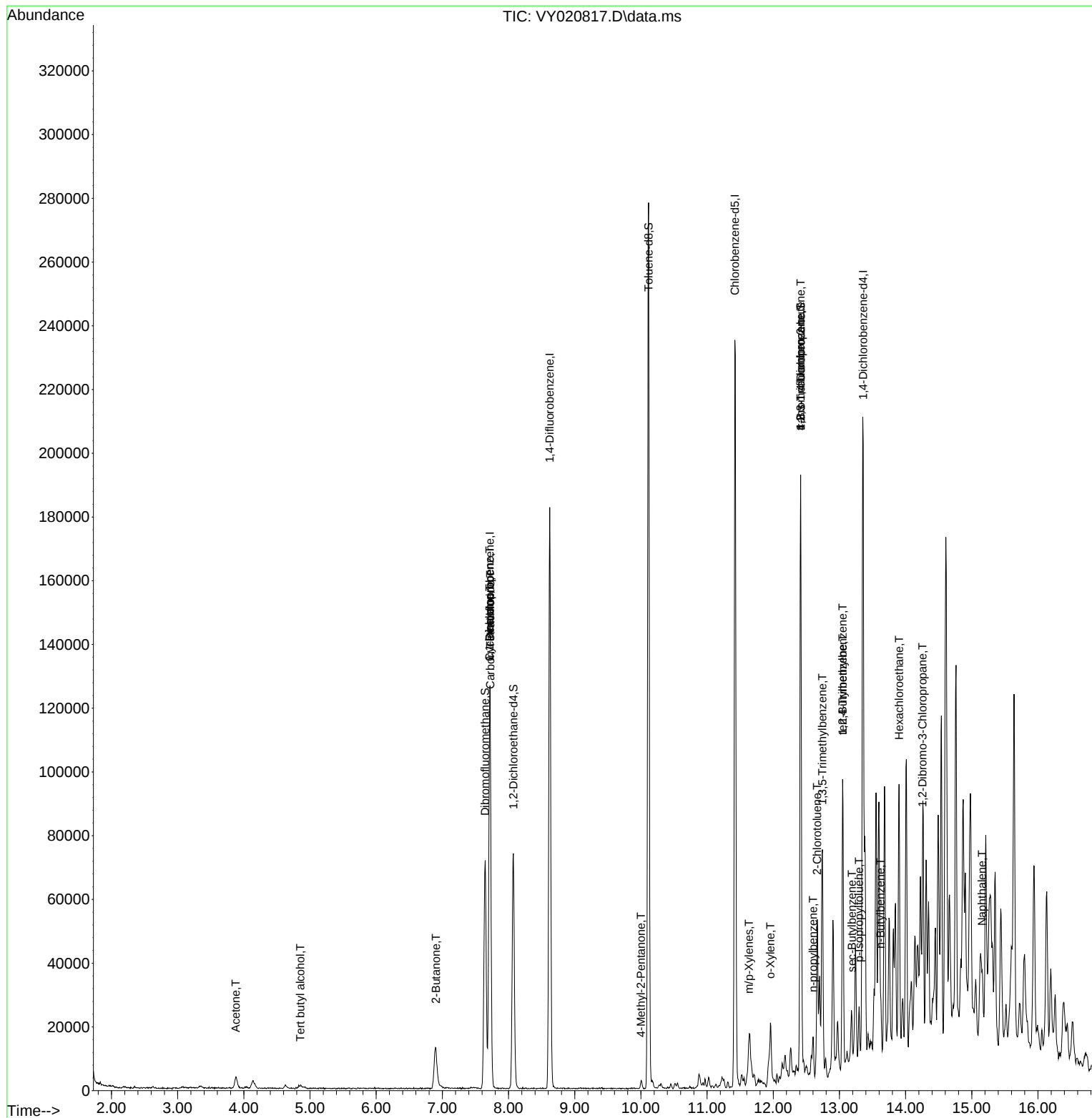
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

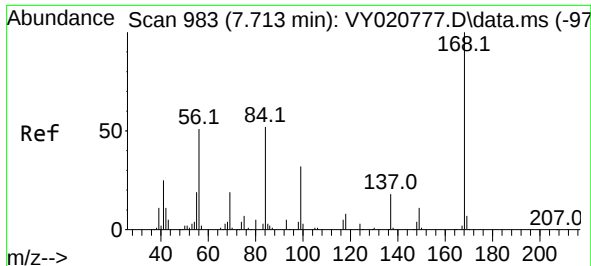
Internal Standards						
1) Pentafluorobenzene	7.720	168	101127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	162840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	133548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	53424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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						
					Qvalue	
11) Tert butyl alcohol	4.854	59	1705	26.251	ug/l #	73
16) Acetone	3.879	43	6719	54.970	ug/l	90
25) 2-Butanone	6.903	43	1342	6.684	ug/l #	82
31) Cyclohexane	7.713	56	1630	1.303	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	7128	5.478	ug/l #	50
38) Carbon Tetrachloride	7.726	117	9846	5.436	ug/l #	15
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
76) 1,2,3-Trichloropropane	12.414	75	29073	62.195	ug/l #	100
78) n-propylbenzene	12.603	91	9794	2.036	ug/l	99
79) 2-Chlorotoluene	12.664	91	5818	2.100	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.743	105	20159	5.869	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.414	75	29073	131.140	ug/l #	14
83) tert-Butylbenzene	13.048	119	6096	1.898	ug/l #	66
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
90) Hexachloroethane	13.901	117	3452	4.491	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.255	75	351	3.379	ug/l #	17
95) Naphthalene	15.157	128	9507	6.046	ug/l #	86

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

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
ALS Vial : 5 Sample Multiplier: 1

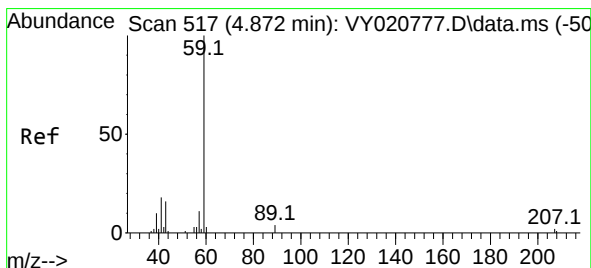
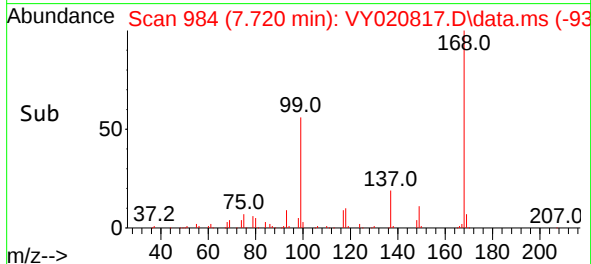
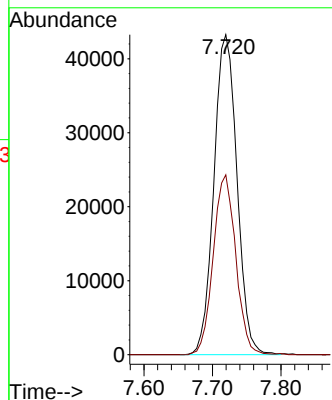
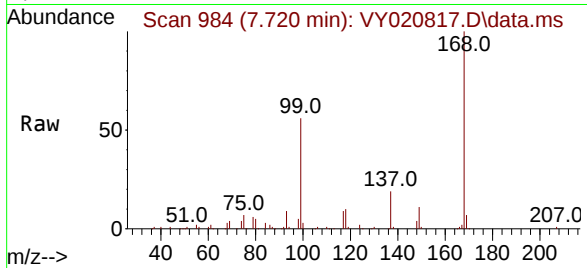
Quant Time: Jan 15 03:28:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration





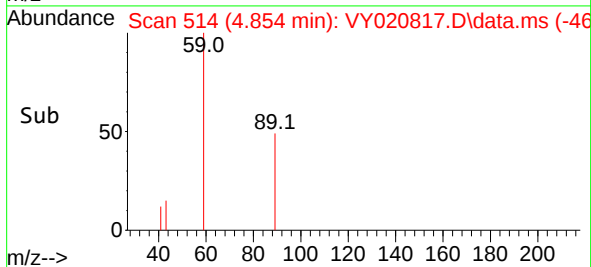
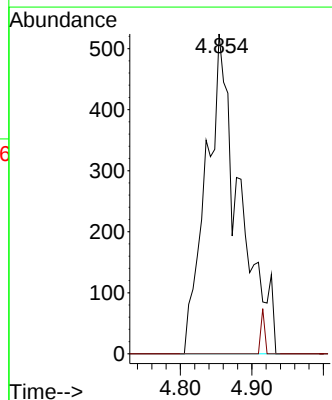
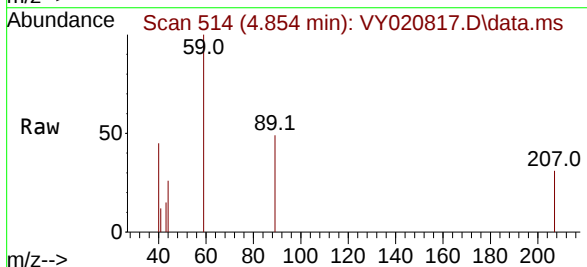
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.007 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

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



#11
Tert butyl alcohol
Concen: 26.251 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

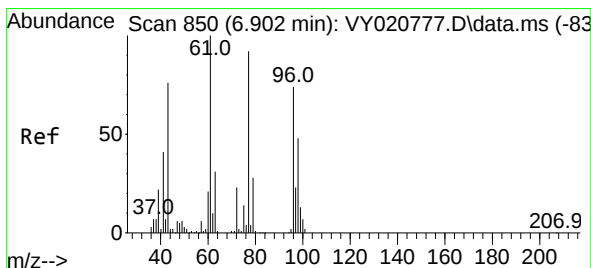
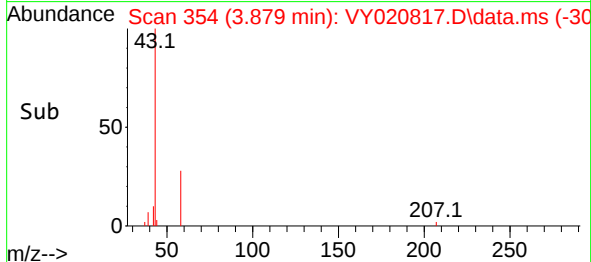
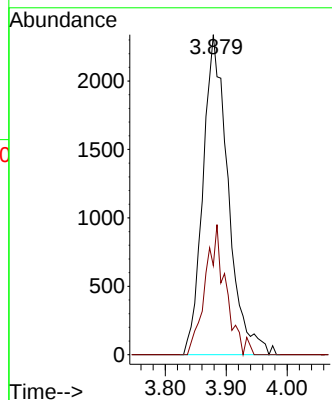
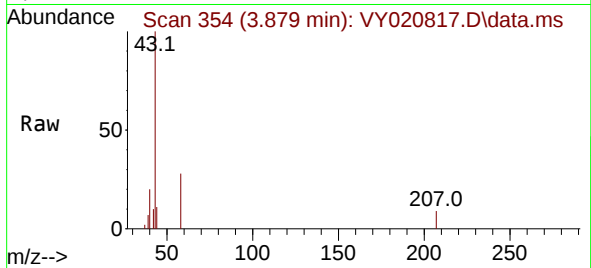
Tgt Ion: 59 Resp: 1705
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





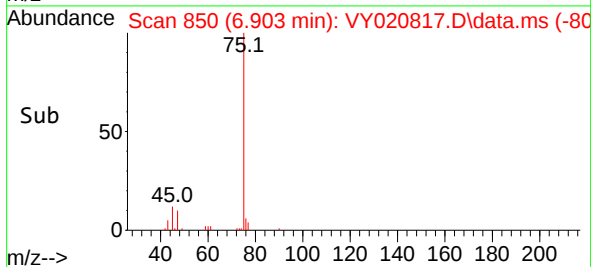
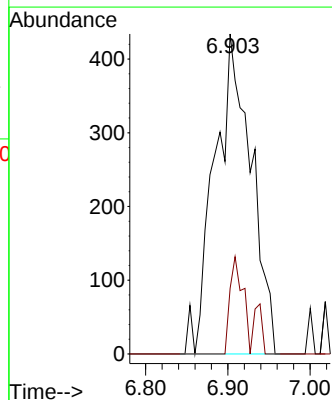
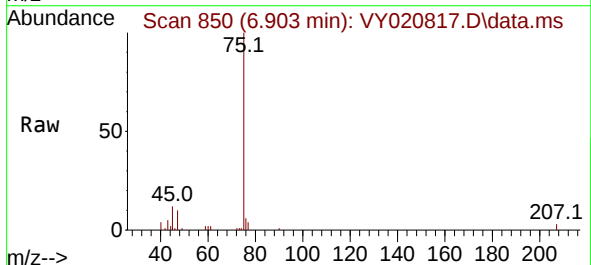
#16
Acetone
Concen: 54.970 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

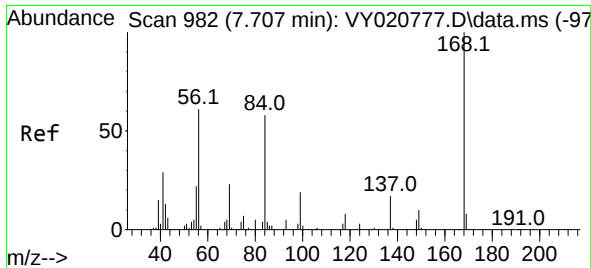
Tgt Ion: 43 Resp: 6719
Ion Ratio Lower Upper
43 100
58 27.8 26.7 40.1



#25
2-Butanone
Concen: 6.684 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

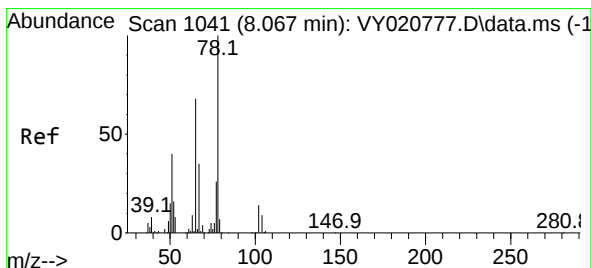
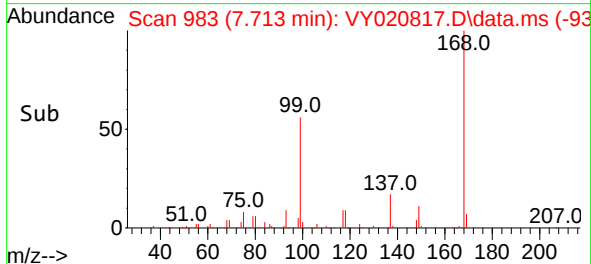
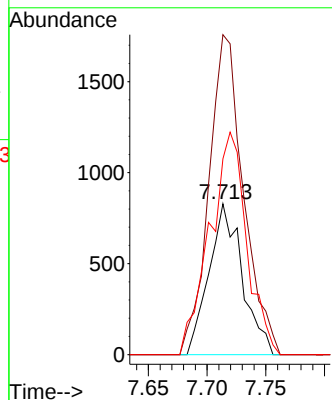
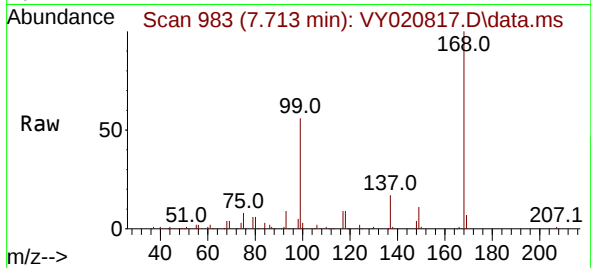
Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
72 20.5 24.0 36.0#





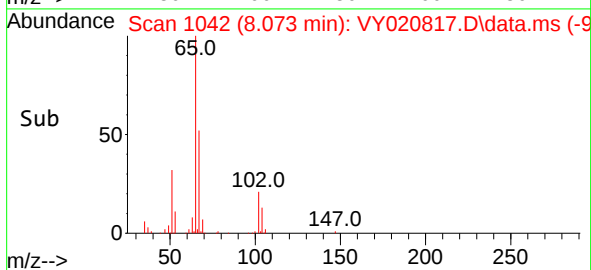
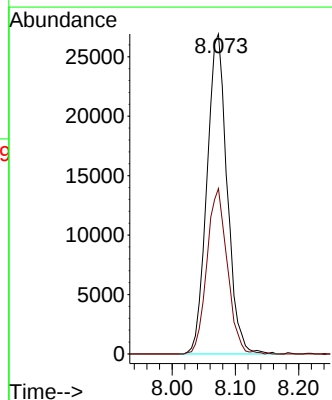
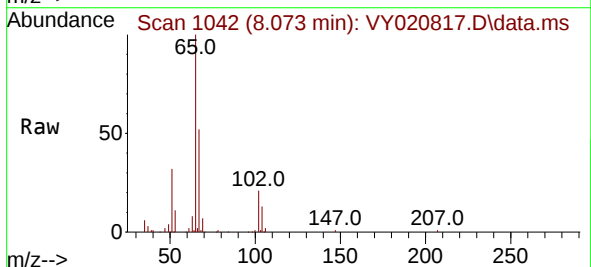
#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

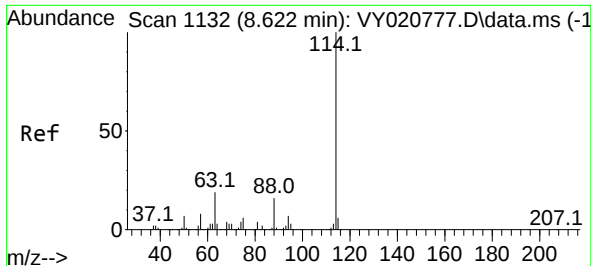
Tgt Ion: 56 Resp: 1630
Ion Ratio Lower Upper
56 100
69 212.1 30.5 45.7#
84 129.8 76.6 115.0#



#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

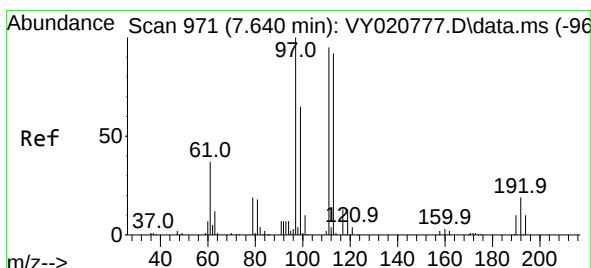
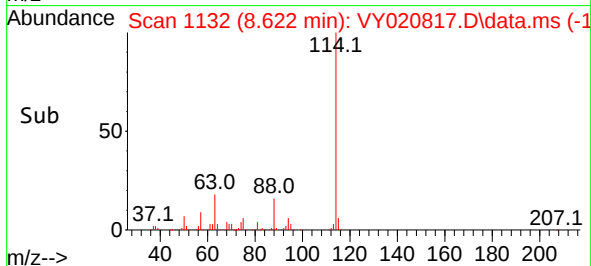
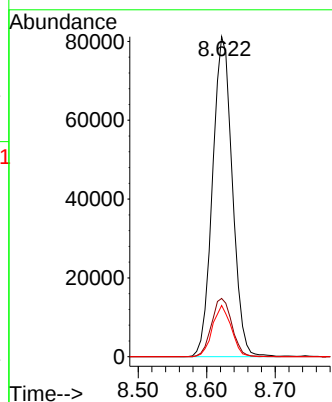
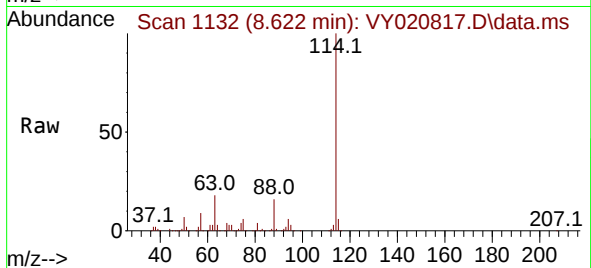
Tgt Ion: 65 Resp: 59767
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.8





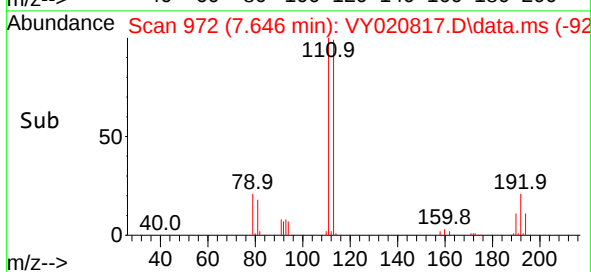
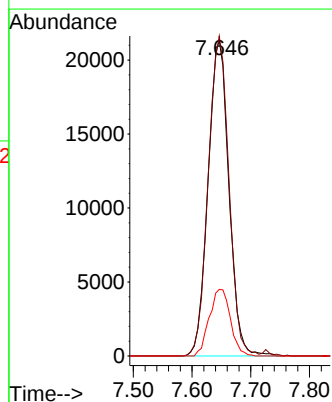
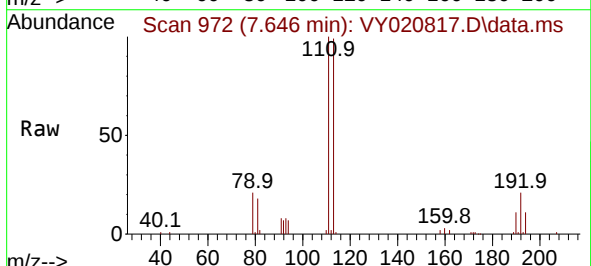
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

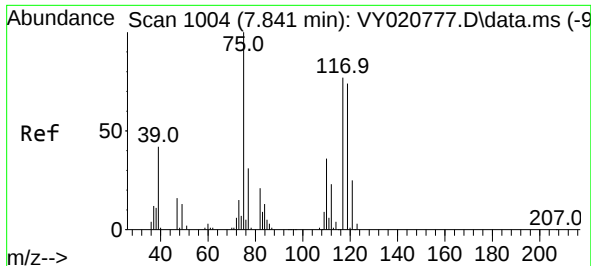
Tgt Ion:114 Resp: 162840
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.4
88 16.0 0.0 31.2



#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

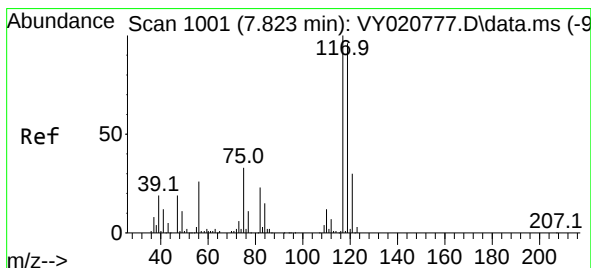
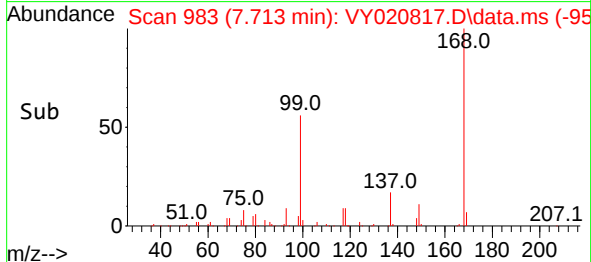
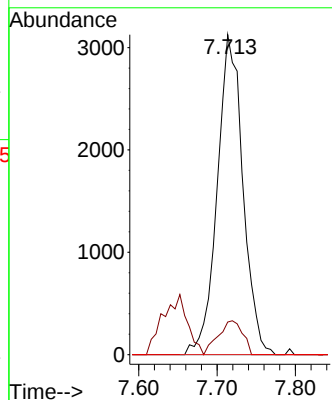
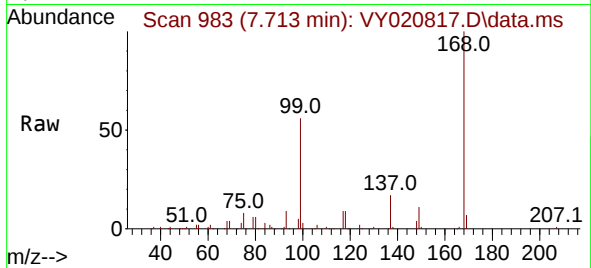
Tgt Ion:113 Resp: 52524
Ion Ratio Lower Upper
113 100
111 100.6 81.7 122.5
192 21.4 16.7 25.1





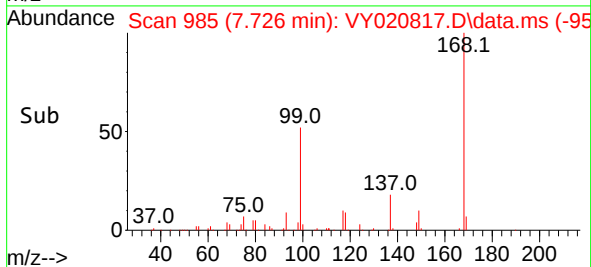
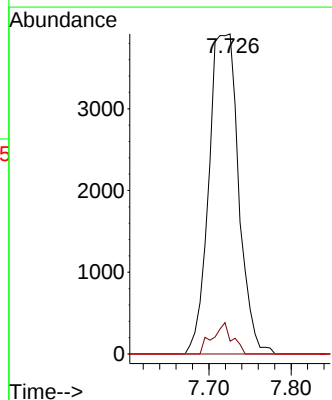
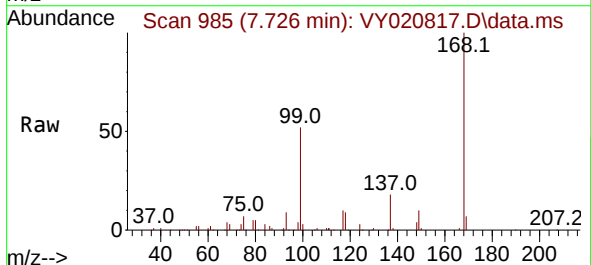
#36
1,1-Dichloropropene
Concen: 5.478 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

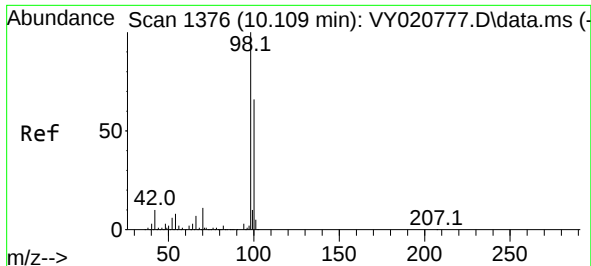
Tgt Ion: 75 Resp: 7128
Ion Ratio Lower Upper
75 100
110 10.1 18.5 55.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.436 ug/l
RT: 7.726 min Scan# 985
Delta R.T. -0.097 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

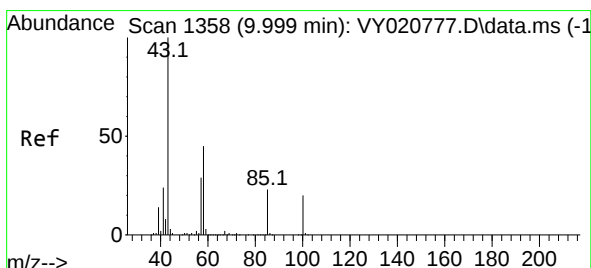
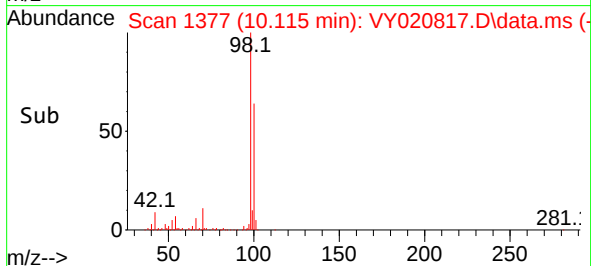
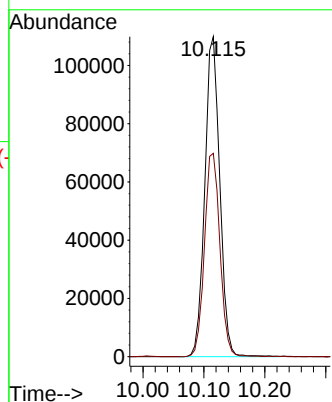
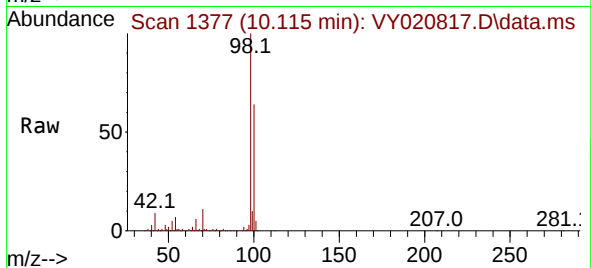
Tgt Ion: 117 Resp: 9846
Ion Ratio Lower Upper
117 100
119 4.0 76.5 114.7#
121 0.0 24.3 36.5#





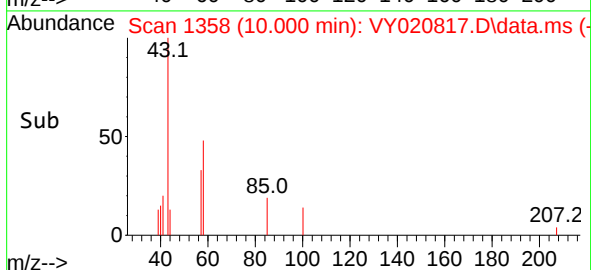
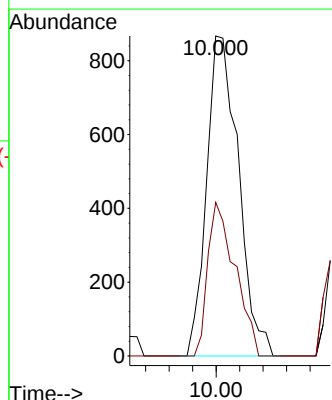
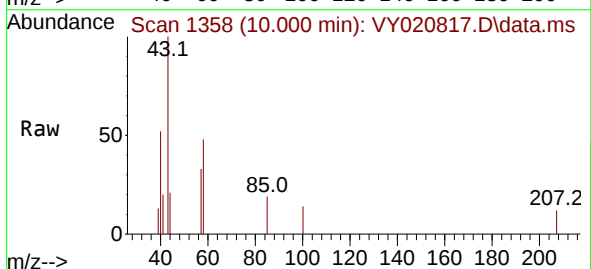
#50
Toluene-d8
Concen: 52.681 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

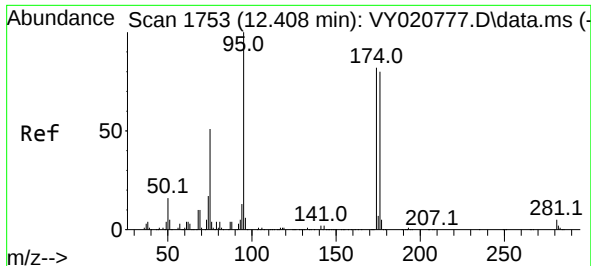
Tgt Ion: 98 Resp: 187354
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#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

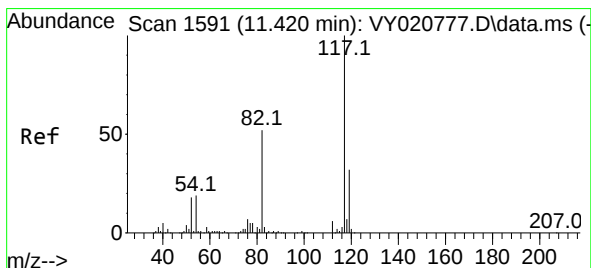
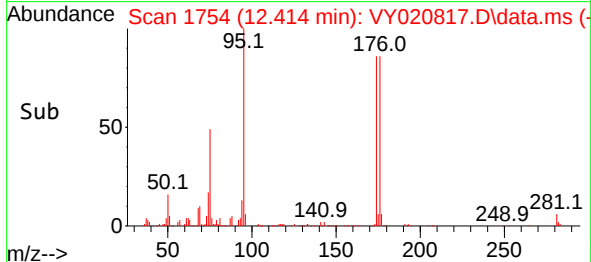
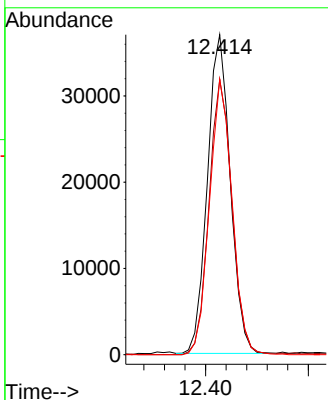
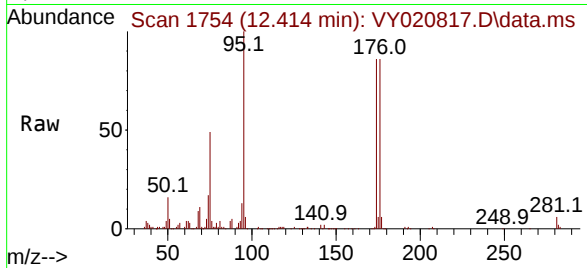
Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
58 41.3 34.8 52.2





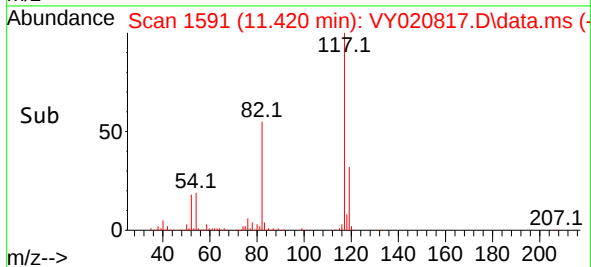
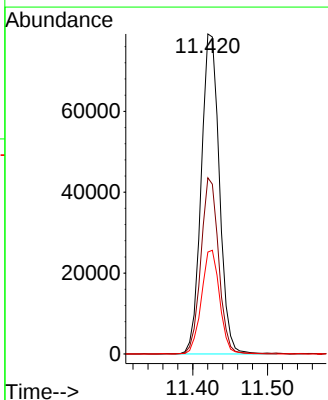
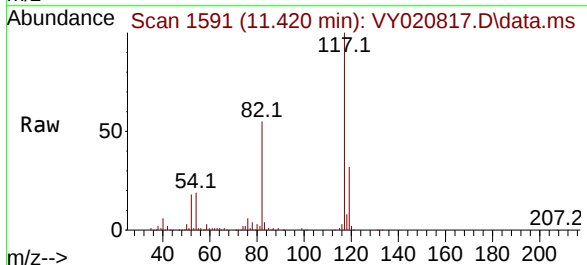
#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

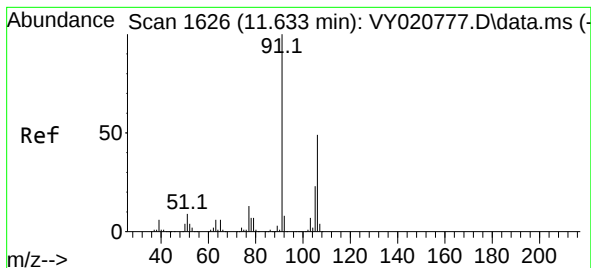
Tgt Ion: 95	Resp: 56979
Ion Ratio	Lower Upper
95	100
174	87.0 0.0 178.0
176	85.7 0.0 172.0



#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

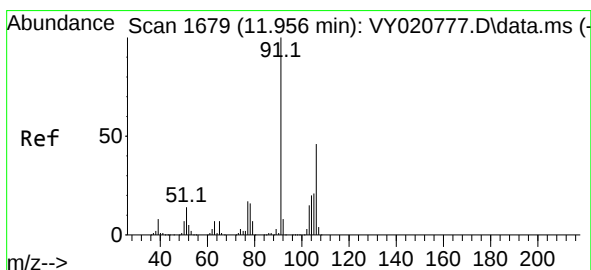
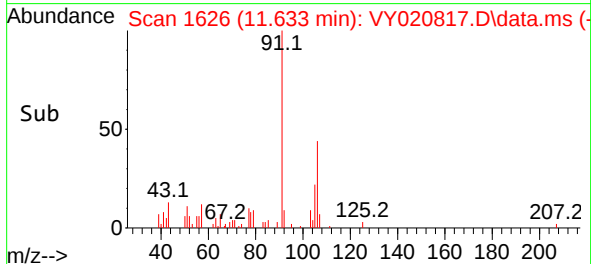
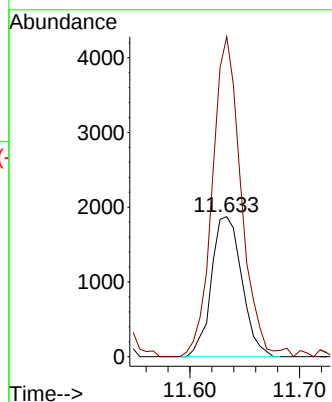
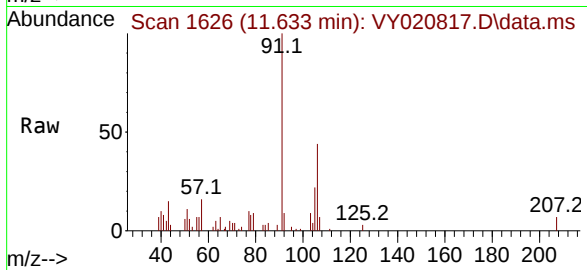
Tgt Ion: 117	Resp: 133548
Ion Ratio	Lower Upper
117	100
82	55.0 41.8 62.6
119	31.9 25.8 38.8





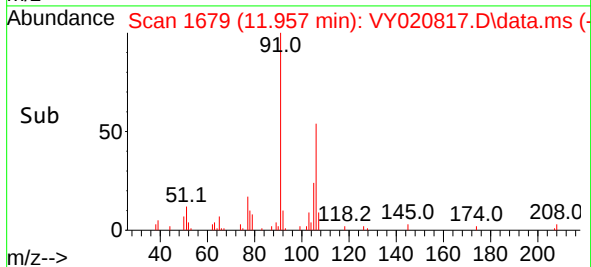
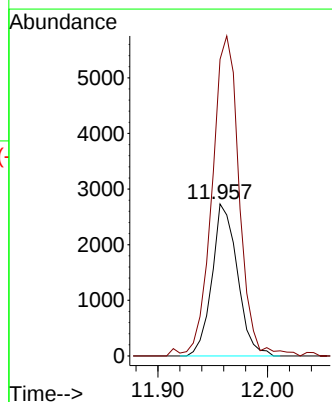
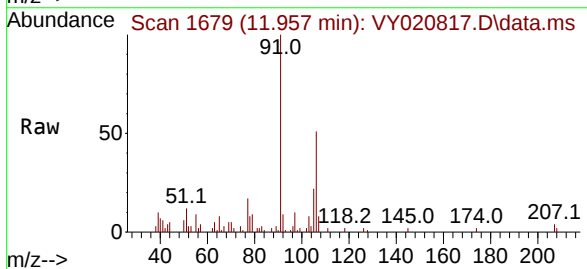
#68
m/p-Xylenes
Concen: 1.835 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

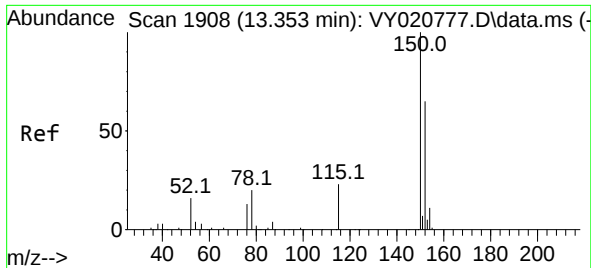
Tgt Ion:	106	Resp:	3612
Ion Ratio	Lower	Upper	
106	100		
91	216.9	162.6	243.8



#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

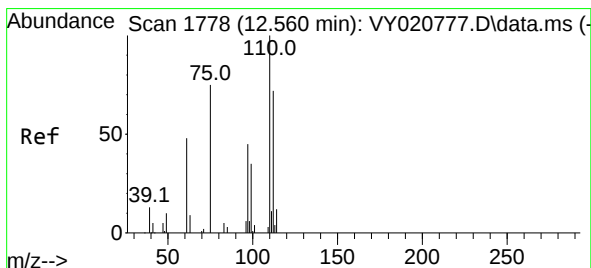
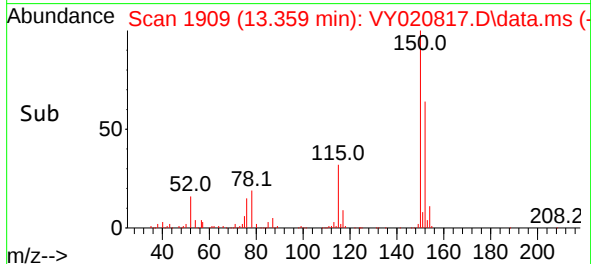
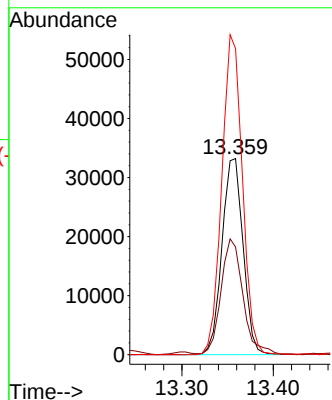
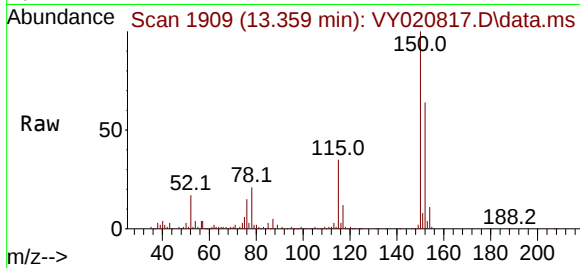
Tgt Ion:	106	Resp:	4390
Ion Ratio	Lower	Upper	
106	100		
91	226.1	108.2	324.6





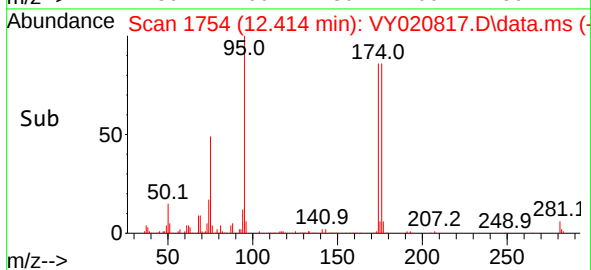
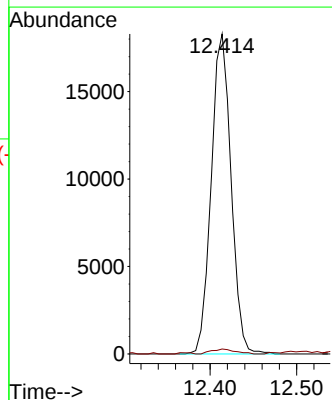
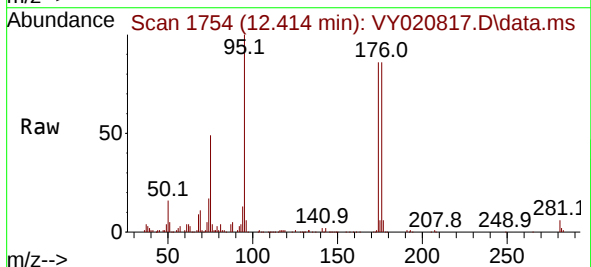
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.359 min Scan# 1909
 Delta R.T. 0.006 min
 Lab File: VY020817.D
 Acq: 14 Jan 2025 12:33

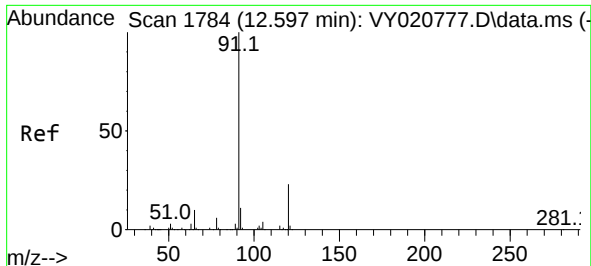
Tgt Ion:152 Resp: 53424
 Ion Ratio Lower Upper
 152 100
 115 61.6 29.0 87.0
 150 158.7 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 62.195 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY020817.D
 Acq: 14 Jan 2025 12:33

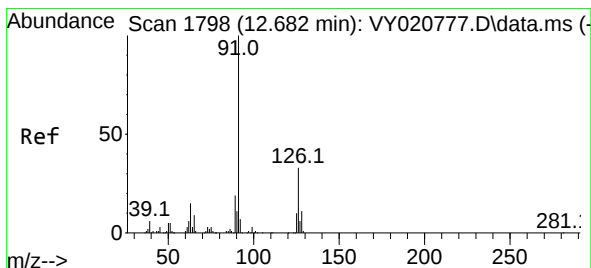
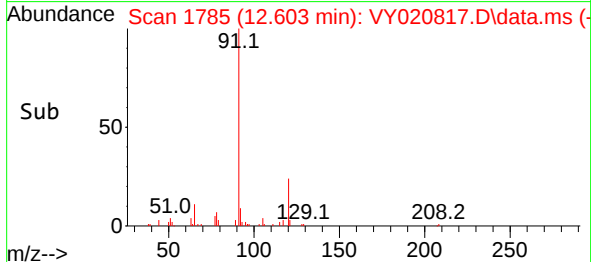
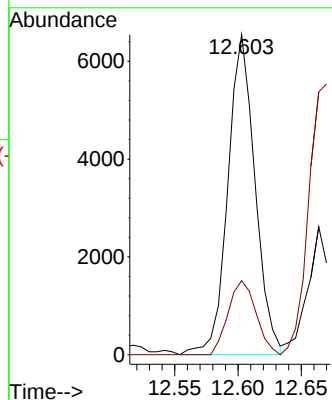
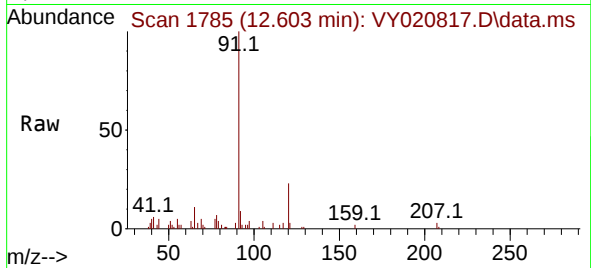
Tgt Ion: 75 Resp: 29073
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





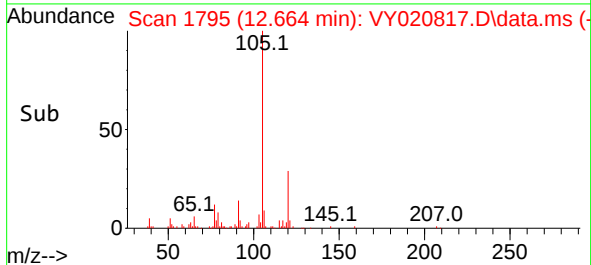
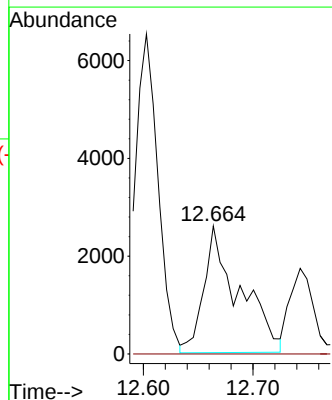
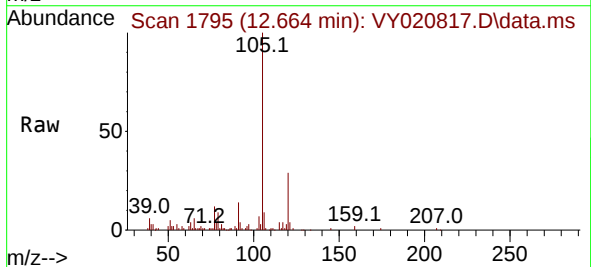
#78
n-propylbenzene
Concen: 2.036 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

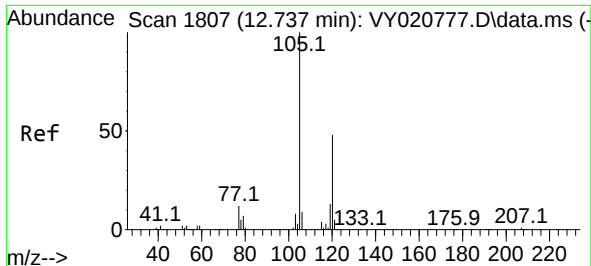
Tgt Ion: 91 Resp: 9794
Ion Ratio Lower Upper
91 100
120 23.6 12.0 36.1



#79
2-Chlorotoluene
Concen: 2.100 ug/l
RT: 12.664 min Scan# 1795
Delta R.T. -0.018 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

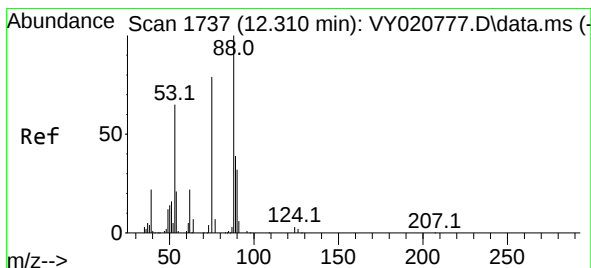
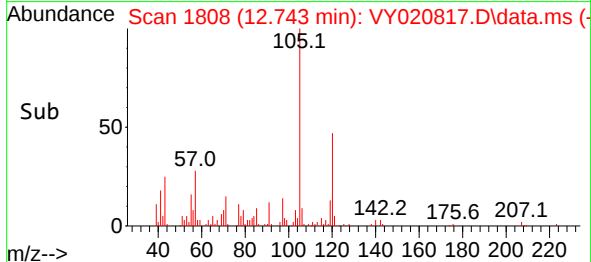
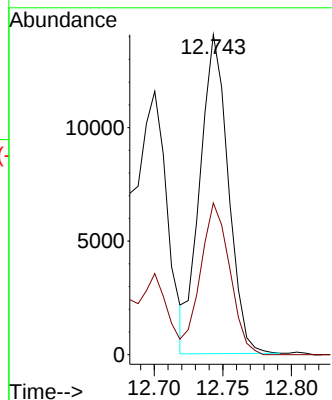
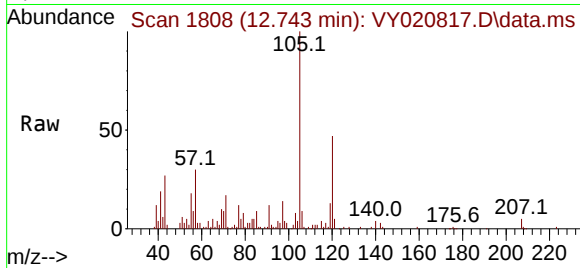
Tgt Ion: 91 Resp: 5818
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#





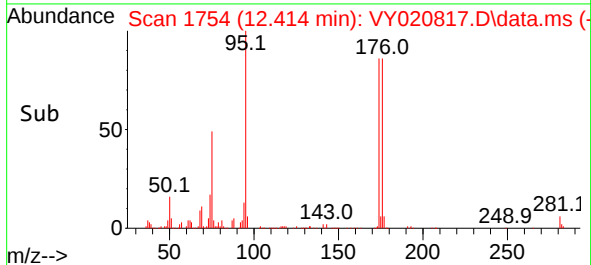
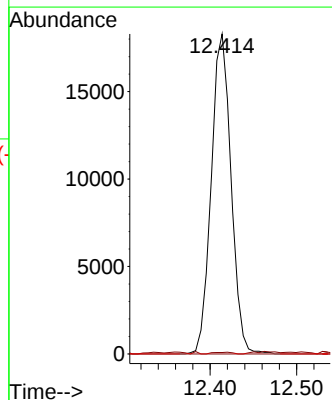
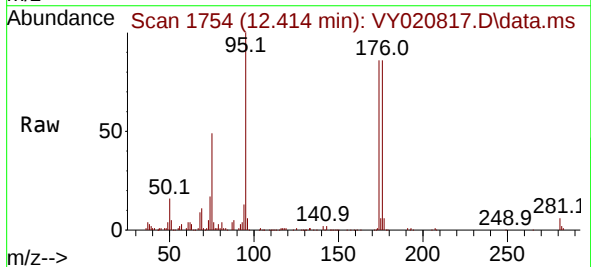
#80
1,3,5-Trimethylbenzene
Concen: 5.869 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

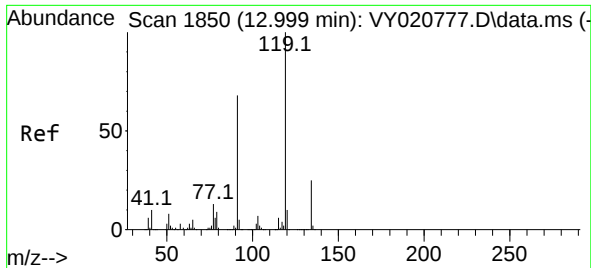
Tgt Ion:105 Resp: 20159
Ion Ratio Lower Upper
105 100
120 49.3 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 131.140 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

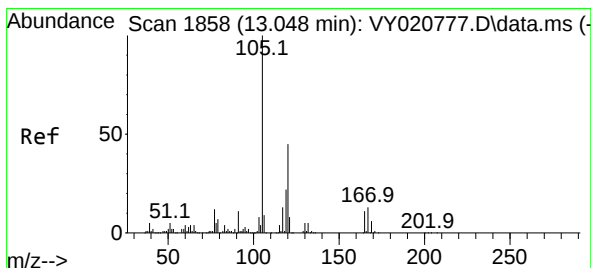
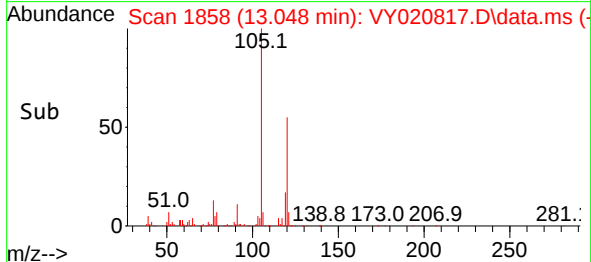
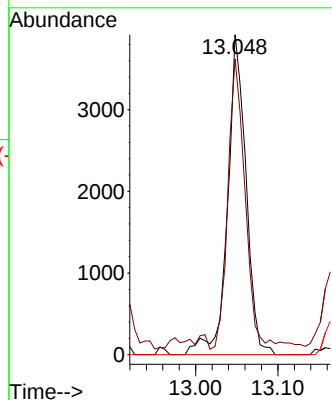
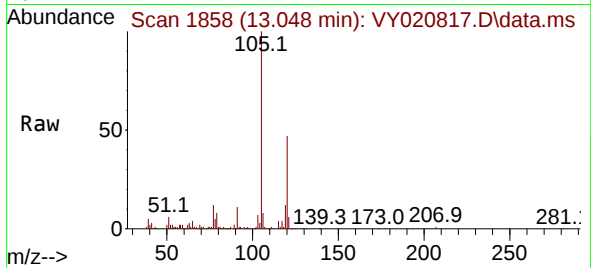
Tgt Ion: 75 Resp: 29073
Ion Ratio Lower Upper
75 100
53 0.5 69.4 104.0#
89 0.0 39.6 59.4#





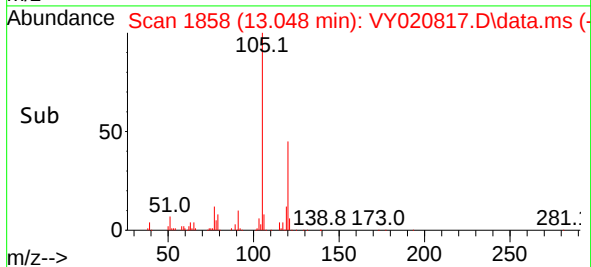
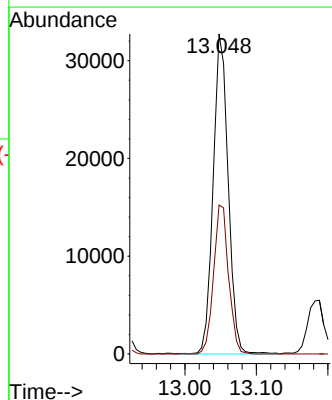
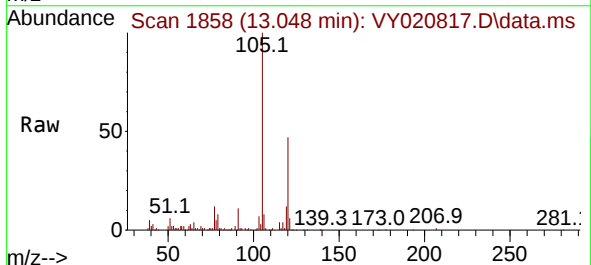
#83
tert-Butylbenzene
Concen: 1.898 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.049 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

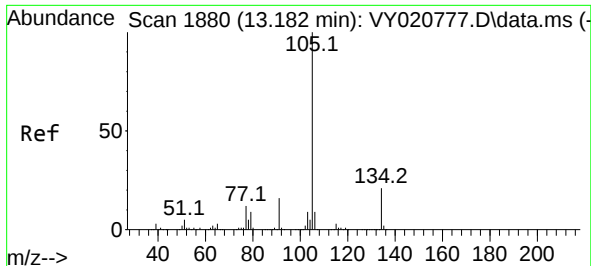
Tgt Ion:119 Resp: 6096
Ion Ratio Lower Upper
119 100
91 86.5 33.0 98.9
134 0.0 13.7 41.1#



#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

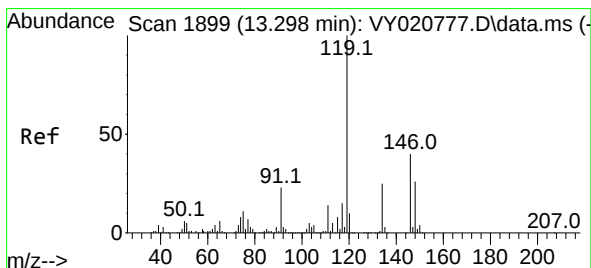
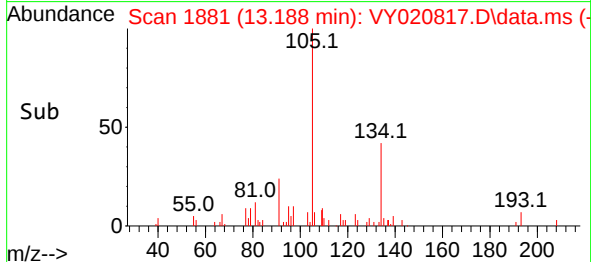
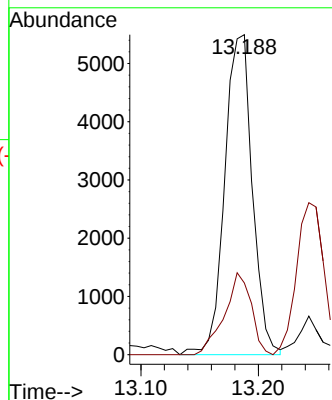
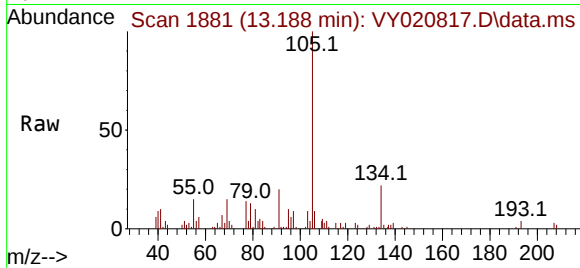
Tgt Ion:105 Resp: 47768
Ion Ratio Lower Upper
105 100
120 46.3 22.4 67.2





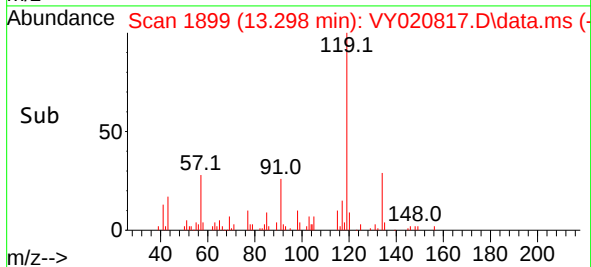
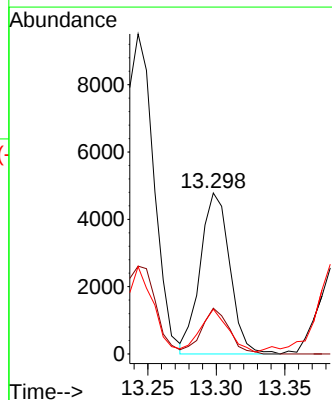
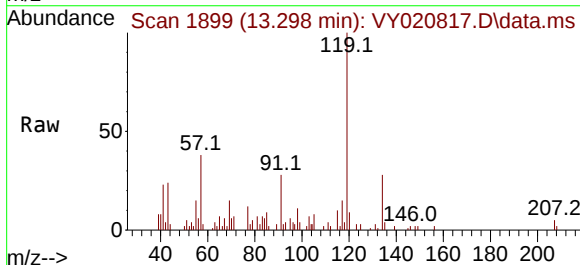
#85
 sec-Butylbenzene
 Concen: 2.001 ug/l
 RT: 13.188 min Scan# 1881
 Delta R.T. 0.006 min
 Lab File: VY020817.D
 Acq: 14 Jan 2025 12:33

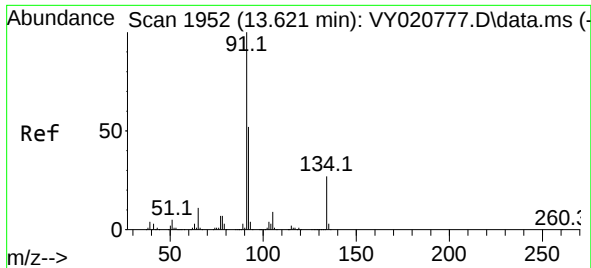
Tgt Ion:105 Resp: 8981
 Ion Ratio Lower Upper
 105 100
 134 24.8 10.5 31.5



#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

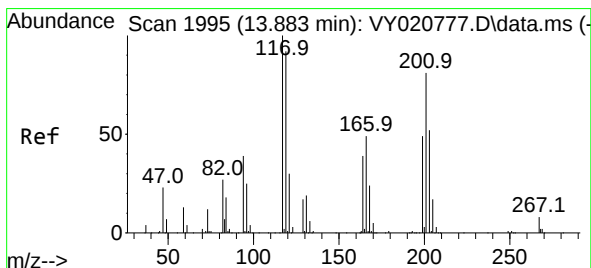
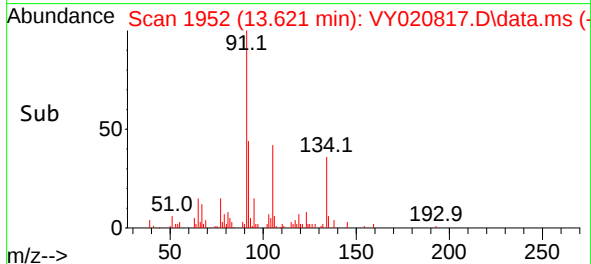
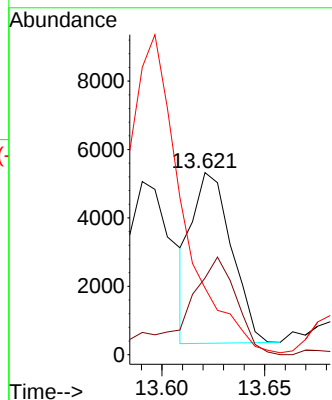
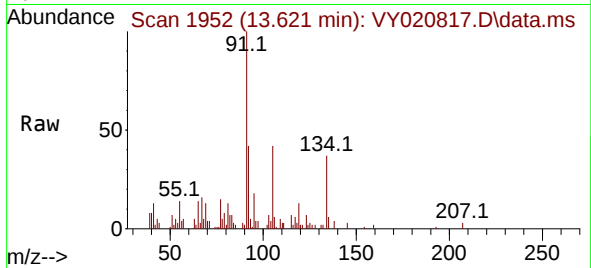
Tgt Ion:119 Resp: 7186
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 38.9
 91 24.7 11.8 35.3





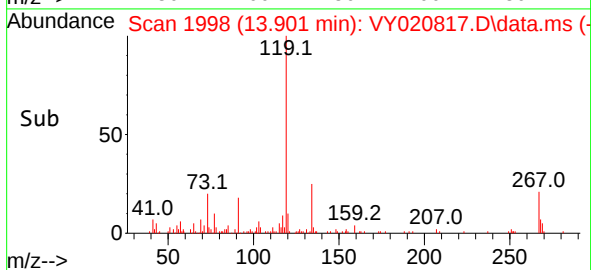
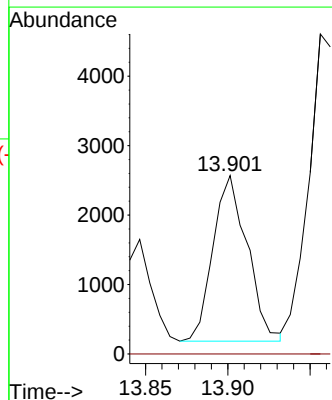
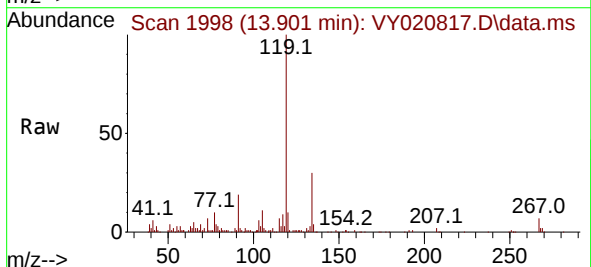
#89
n-Butylbenzene
Concen: 2.002 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

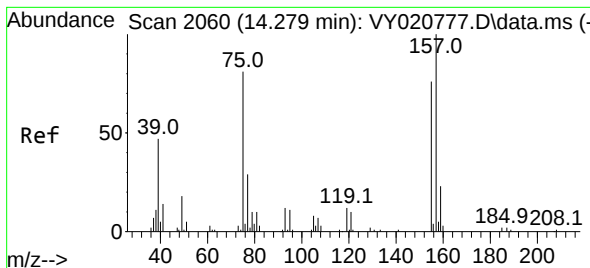
Tgt Ion: 91 Resp: 6649
Ion Ratio Lower Upper
91 100
92 75.1 26.5 79.4
134 0.0 13.8 41.4#



#90
Hexachloroethane
Concen: 4.491 ug/l
RT: 13.901 min Scan# 1998
Delta R.T. 0.018 min
Lab File: VY020817.D
Acq: 14 Jan 2025 12:33

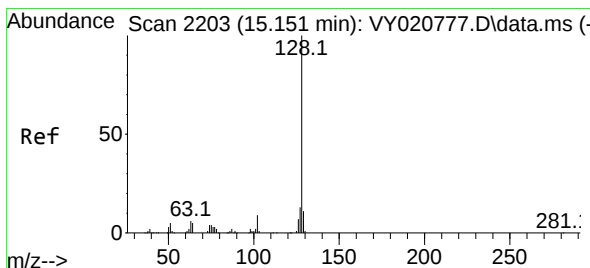
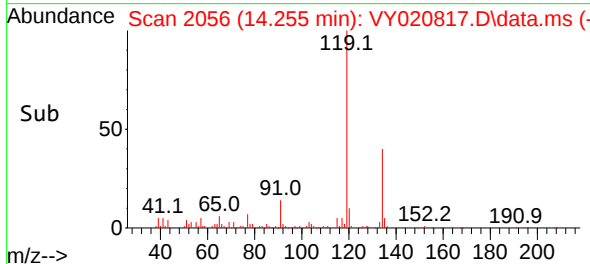
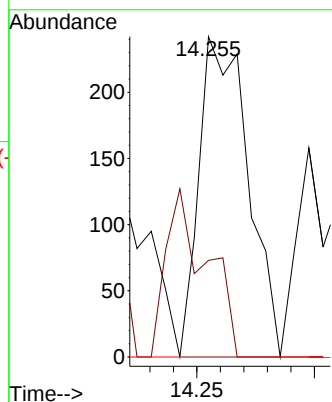
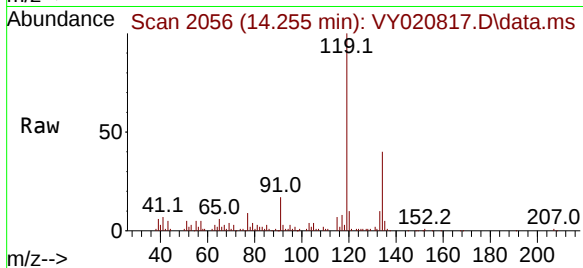
Tgt Ion: 117 Resp: 3452
Ion Ratio Lower Upper
117 100
201 0.0 42.9 128.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.379 ug/l
 RT: 14.255 min Scan# 2056
 Delta R.T. -0.024 min
 Lab File: VY020817.D
 Acq: 14 Jan 2025 12:33

Tgt Ion: 75 Resp: 351
 Ion Ratio Lower Upper
 75 100
 155 43.6 45.5 136.5#
 157 0.0 59.7 179.0#



#95
 Naphthalene
 Concen: 6.046 ug/l
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.006 min
 Lab File: VY020817.D
 Acq: 14 Jan 2025 12:33

Tgt Ion: 128 Resp: 9507
 Ion Ratio Lower Upper
 128 100
 127 19.2 10.5 15.7#
 129 15.0 8.6 12.8#

